

# CATÁLOGO

*Catalogue • Catálogo*



## IMPULSORES DE PARTIDA, PINHÕES E PLANETÁRIAS

*Starter Drives, Pinions  
and Planetary Gears*

*Impulsores de Arranque,  
Piñones y Planetários*

## LINHA LEVE AUTOMÓVEIS

*Light Vehicles | Vehículos Ligeros*

2022 • 2023







Sediada em Brusque, Santa Catarina, a ZEN S.A., opera no setor automotivo desde 1960 e é uma importante indústria de peças originais e de reposição para o mercado global. Com exportações diretas para mais de 60 países, a empresa é uma das maiores fabricantes de impulsores do mundo. Dentre suas linhas de produtos também estão polias de alternador, tensores de correia, kits de distribuição, motores de partida, alternadores, rolamentos, mancais, planetárias e outros conformados a frio e a morno.

*Headquartered in Brusque, Santa Catarina, ZEN S.A. operates in the automotive sector since 1960 and is an important industry of original and aftermarket parts for the global market. With direct exports to more than 60 countries, the company is one of the largest manufacturers of starter drives in the world. Among its product lines are also alternator pulleys, belt tensioners, distribution kits, starter motors, alternators, bearings, housings, planetary gears and other cold or warm forged products.*

*Con sede en Brusque, Santa Catarina, ZEN S.A., opera en el sector automovilístico desde 1960 y es una importante industria de piezas originales y de repuesto para el mercado global. Con exportaciones directas para más de 60 países, la empresa es una de las fabricantes más grandes de impulsores de arranque del mundo. Entre sus líneas de productos también están poleas de alternador, tensores de correia, kits de distribución, motores de arranque, alternadores, rodamientos, tapas, planetários y otros conformados a frio y tibio.*



#### MISSÃO MISSION / MISIÓN

Desenvolver, produzir e fornecer componentes e sistemas para veículos automotores, para os segmentos original e reposição, com geração de valor para o negócio, clientes e sociedade.

*To develop, produce and supply components and systems for automotive vehicles in the original equipment and aftermarket segments, generating value for the business, customers and society.*

*Desarrollar, producir y suministrar componentes y sistemas para vehículos automotores, para los segmentos original y de reemplazo, con generación de valor para el negocio, los clientes y la sociedad.*

#### VISÃO VISION / VISIÓN

Ser instrumento para o progresso sustentável que conquiste a preferência de nossos clientes e o orgulho da nossa equipe, através da inovação, qualidade e excelência operacional.

*Being an instrument for the sustainable progress in order to win our customers' preference and our team's pride, through innovation, quality and operational excellence.*

*Ser un instrumento para el progreso sostenible, con el objetivo de conquistar la preferencia de nuestros clientes y el orgullo de nuestro equipo, a través de la innovación, la calidad y la excelencia operacional.*

#### VALORES VALUES / VALORES

COMPROMETIMENTO • SINCERIDADE • INTEGRIDADE  
SENSE DE URGÊNCIA • ESPÍRITO EMPREENDEDOR

*Commitment • Candor • Integrity • Sense of Urgency • Entrepreneurship  
Compromiso • Sinceridad • Integridad • Sentido de Urgencia • Espíritu emprendedor*



# AS NOVAS LINHAS DE PRODUTOS ZEN CHEGARAM

*LLEGARON LOS NUEVOS PRODUCTOS ZEN*

**MOTORES DE PARTIDA,  
ALTERNADORES  
E ROLAMENTOS ZEN**

- **Qualidade** ✓
- **Durabilidade** ✓
- **Variedade de produtos** ✓



**PRODUTOS DISPONÍVEIS NOS MELHORES DISTRIBUIDORES.**

*Productos disponibles en los mejores distribuidores.*





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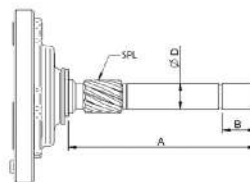
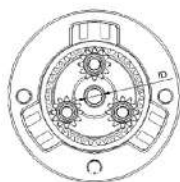
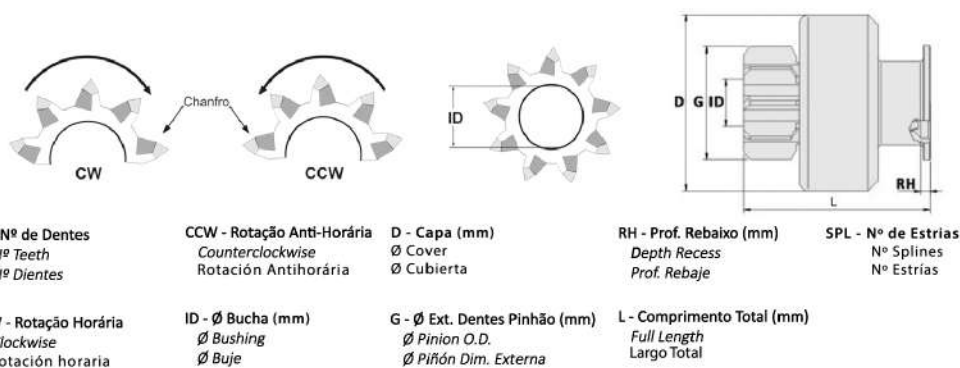
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**ID - Ø da bucha (mm)**  
Shaft Ø Bushing  
Buje Ø eje

**SPL - Nº de Estrias**  
Nº Splines  
Nº Estrias

**D - Ø Eixo (mm)**  
Ø Shaft  
Ø Eje

**A - Comprimento eixo livre (mm)**  
Free Shaft Length  
Largo libre de eje

**B - Comprimento até o canal (mm)**  
Shaft len. up to the chan  
Largo del eje hasta canal

Nº ZEN	ANTIGO OLD ANTIGUO	NOVO NEW NUEVO	Pg.
Impulsor de Partida Starter Drive Impulsor de Arranque			
1.01.0001.0	0001	161	
1.01.0005.0	0005	161	
1.01.0006.0	0006	161	
1.01.0010.0	0010	161	
1.01.0013.0	0013	161	
1.01.0015.0	0015	161	
1.01.0020.0	0020	161	
1.01.0024.0	0024	161	
1.01.0025.0	0025	161	
1.01.0028.0	0028	161	
1.01.0044.0	0044	161	
1.01.0045.0	0045	161	
1.01.0046.0	0046	161	
1.01.0050.0	0050	161	
1.01.0053.0	0053	161	
1.01.0054.0	0054	161	
1.01.0056.0	0056	162	
1.01.0060.0	0060	162	
1.01.0065.0	0065	162	
1.01.0068.0	0068	162	
1.01.0077.0	0077	162	
1.01.0080.0	0080	162	
1.01.0082.0	0082	162	
1.01.0085.0	0085	162	
1.01.0104.0	0104	162	
1.01.0108.0	0108	162	
1.01.0111.0	0111	162	
1.01.0115.0	0115	162	
1.01.0118.0	0118	162	
1.01.0119.0	0119	162	
1.01.0120.0	0120	162	
1.01.0126.0	0126	162	
1.01.0131.0	0131	163	
1.01.0135.0	0135	163	
1.01.0139.0	0139	163	
1.01.0140.0	0140	163	
1.01.0141.0	0141	163	
1.01.0144.0	0144	163	
1.01.0158.0	0158	163	
1.01.0160.0	0160	163	
1.01.0161.0	0161	163	
1.01.0162.0	0162	163	
1.01.0183.0	0183	163	
1.01.0184.0	0184	163	
1.01.0189.0	0189	163	
1.01.0191.0	0191	163	
1.01.0192.0	0192	163	
1.01.0205.0	0205	163	
1.01.0213.0	0213	164	
1.01.0215.0	0215	164	
1.01.0216.0	0216	164	
1.01.0217.0	0217	164	

Nº ZEN	ANTIGO OLD ANTIGUO	NOVO NEW NUEVO	Pg.
1.01.0220.0	0220	164	
1.01.0221.0	0221	164	
1.01.0222.0	0222	164	
1.01.0223.0	0223	164	
1.01.0225.0	0225	164	
1.01.0227.0	0227	164	
1.01.0228.0	0228	164	
1.01.0229.0	0229	164	
1.01.0238.0	0238	164	
1.01.0243.0	0243	164	
1.01.0244.0	0244	164	
1.01.0245.0	0245	164	
1.01.0248.0	0248	165	
1.01.0285.0	0285	165	
1.01.0287.0	0287	165	
1.01.0291.0	0291	165	
1.01.0292.0	0292	165	
1.01.0293.0	0293	165	
1.01.0294.0	0294	165	
1.01.0297.0	0297	165	
1.01.0300.0	0300	165	
1.01.0302.0	0302	165	
1.01.0307.0	0307	165	
1.01.0310.0	0310	165	
1.01.0313.0	0313	165	
1.01.0318.0	0318	165	
1.01.0319.0	0319	165	
1.01.0320.0	0320	165	
1.01.0323.0	0323	166	
1.01.0325.0	0325	166	
1.01.0327.0	0327	166	
1.01.0328.0	0328	166	
1.01.0329.0	0329	166	
1.01.0339.0	0339	166	
1.01.0340.0	0340	166	
1.01.0341.0	0341	166	
1.01.0342.0	0342	166	
1.01.0345.0	0345	166	
1.01.0348.0	0348	166	
1.01.0349.0	0349	166	
1.01.0351.0	0351	166	
1.01.0352.0	0352	166	
1.01.0353.0	0353	166	
1.01.0361.0	0361	166	
1.01.0362.0	0362	167	
1.01.0365.0	0365	167	
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1.01.0376.0	0376	167	
1.01.0382.0	0382	167	
1.01.0389.0	0389	167	
1.01.0392.0	0392	167	
1.01.0394.0	0394	167	
1.01.0395.0	0395	167	
1.01.0397.0	0397	167	

Nº ZEN	ANTIGO OLD ANTIGUO	NOVO NEW NUEVO	Pg.
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1.01.0406.0	0406	167	
1.01.0407.0	0407	167	
1.01.0408.0	0408	167	
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1.01.0412.0	0412	168	
1.01.0414.0	0414	168	
1.01.0417.0	0417	168	
1.01.0419.0	0419	168	
1.01.0420.0	0420	168	
1.01.0426.0	0426	168	
1.01.0428.0	0428	168	
1.01.0429.0	0429	168	
1.01.0433.0	0433	168	
1.01.0438.0	0438	168	
1.01.0440.0	0440	168	
1.01.0442.0	0442	168	
1.01.0443.0	0443	168	
1.01.0445.0	0445	168	
1.01.0447.0	0447	168	
1.01.0449.0	0449	169	
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1.01.0458.0	0458	169	
1.01.0459.0	0459	169	
1.01.0460.0	0460	169	
1.01.0461.0	0461	169	
1.01.0462.0	0462	169	
1.01.0463.0	0463	169	
1.01.0467.0	0467	169	
1.01.0468.0	0468	169	
1.01.0469.0	0469	169	
1.01.0474.0	0474	169	
1.01.0475.0	0475	170	
1.01.0482.0	0482	170	
1.01.0486.0	0486	170	
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1.01.0498.0	0498	170	
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1.01.0502.0	0502	170	
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1.01.0517.0	0517	170	
1.01.0519.0	0519	170	
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1.01.0522.0	0522	170	
1.01.0528.0	0528	170	
1.01.0530.0	0530	170	
1.01.0532.0	0532	170	
1.01.0533.0	0533	171	
1.01.0537.0	0537	171	

Nº ZEN	ANTIGO OLD ANTIGUO	NOVO NEW NUEVO	Pg.
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1.01.0554.0	0554	171	
1.01.0570.0	0570	171	
1.01.0571.0	0571	171	
1.01.0572.0	0572	171	
1.01.0573.0	0573	171	
1.01.0574.0	0574	171	
1.01.0575.0	0575	171	
1.01.0576.0	0576	171	
1.01.0579.0	0579	171	
1.01.0595.0	0595	171	
1.01.0596.0	0596	171	
1.01.0597.0	0597	171	
1.01.0600.0	0600	172	
1.01.0601.0	0601	172	
1.01.0605.0	0605	172	
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1.01.0632.0	0632	172	
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1.01.0639.0	0639	172	
1.01.0641.0	0641	172	
1.01.0644.0	0644	172	
1.01.0645.0	0645	173	
1.01.0646.0	0646	173	
1.01.0647.0	0647	173	
1.01.0649.0	0649	173	
1.01.0653.0	0653	173	
1.01.0656.0	0656	173	
1.01.0657.0	0657	173	
1.01.0661.0	0661	173	
1.01.0663.0	0663	173	
1.01.0671.0	0671	173	
1.01.0672.0	0672	173	
1.01.0673.0	0673	173	
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1.01.0676.0	0676	173	
1.01.0677.0	0677	173	
1.01.0679.0	0679	174	
1.01.0681.0	0681	174	
1.01.0684.0	0684	174	
1.01.0686.0	0686	174	
1.01.0687.0	0687	174	
1.01.0691.0	0691	174	
1.01.0701.0	0701	174	
1.01.0702.0	0702	174	
1.01.0703.0	0703	174	

Nº ZEN ANTIGO OLD ANTIGUO	Nº ZEN NOVO NEW NUEVO	Pg.
1.01.0706.0	0706	174
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1.01.0711.0	0711	174
1.01.0712.0	0712	174
1.01.0713.0	0713	174
1.01.0714.0	0714	174
1.01.0720.0	0720	174
1.01.0723.0	0723	175
1.01.0729.0	0729	175
1.01.0731.0	0731	175
1.01.0737.0	0737	175
1.01.0740.0	0740	175
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1.01.0742.0	0742	175
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1.01.0752.0	0752	175
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1.01.0768.0	0768	176
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1.01.0771.0	0771	176
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1.01.0775.0	0775	176
1.01.0779.0	0779	176
1.01.0783.0	0783	176
1.01.0785.0	0785	176
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1.01.0787.0	0787	176
1.01.0790.0	0790	176
1.01.0791.0	0791	176
1.01.0793.0	0793	176
1.01.0794.0	0794	177
1.01.0797.0	0797	177
1.01.0798.0	0798	177
1.01.0799.0	0799	177
1.01.0800.0	0800	177
1.01.0801.0	0801	177
1.01.0803.0	0803	177
1.01.0805.0	0805	177
1.01.0806.0	0806	177
1.01.0808.0	0808	177
1.01.0809.0	0809	177
1.01.0815.0	0815	177
1.01.0817.0	0817	177
1.01.0818.0	0818	177
1.01.0820.0	0820	177
1.01.0821.0	0821	177

Nº ZEN ANTIGO OLD ANTIGUO	Nº ZEN NOVO NEW NUEVO	Pg.
1.01.0822.0	0822	178
1.01.0823.0	0823	178
1.01.0825.0	0825	178
1.01.0828.0	0828	178
1.01.0830.0	0830	178
1.01.0831.0	0831	178
1.01.0832.0	0832	178
1.01.0836.0	0836	178
1.01.0837.0	0837	178
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1.01.0852.0	0852	178
1.01.0853.0	0853	178
1.01.0854.0	0854	179
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1.01.0860.0	0860	179
1.01.0861.0	0861	179
1.01.0863.0	0863	179
1.01.0866.0	0866	179
1.01.0868.0	0868	179
1.01.0871.0	0871	179
1.01.0874.0	0874	179
1.01.0875.0	0875	179
1.01.0878.0	0878	179
1.01.0890.0	0890	179
1.01.0892.0	0892	179
1.01.0895.0	0895	179
1.01.0900.0	0900	179
1.01.0901.0	0901	180
1.01.0905.0	0905	180
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1.01.0916.0	0916	180
1.01.0917.0	0917	180
1.01.0918.0	0918	180
1.01.0919.0	0919	180
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1.01.0925.0	0925	180
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1.01.0933.0	0933	180
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1.01.0945.0	0945	181
1.01.0946.0	0946	181
1.01.0947.0	0947	181
1.01.0951.0	0951	181
1.01.0953.0	0953	181

Nº ZEN ANTIGO OLD ANTIGUO	Nº ZEN NOVO NEW NUEVO	Pg.
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1.01.0958.0	0958	181
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1.01.0962.0	0962	181
1.01.0965.0	0965	181
1.01.0969.0	0969	181
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1.01.0990.0	0990	182
1.01.0997.0	0997	182
1.01.0998.0	0998	182
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1.01.1004.0	1004	182
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1.01.1017.0	1017	182
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1.01.1021.0	1021	183
1.01.1022.0	1022	183
1.01.1023.0	1023	183
1.01.1024.0	1024	183
1.01.1027.0	1027	183
1.01.1030.0	1030	183
1.01.1031.0	1031	183
1.01.1033.0	1033	183
1.01.1037.0	1037	183
1.01.1038.0	1038	183
1.01.1046.0	1046	183
1.01.1047.0	1047	183
1.01.1048.0	1048	183
1.01.1054.0	1054	183
1.01.1056.0	1056	184
1.01.1057.0	1057	184
1.01.1058.0	1058	184
1.01.1062.0	1062	184
1.01.1063.0	1063	184
1.01.1064.0	1064	184
1.01.1067.0	1067	184
1.01.1068.0	1068	184
1.01.1069.0	1069	184
1.01.1070.0	1070	184
1.01.1071.0	1071	184
1.01.1072.0	1072	184
1.01.1073.0	1073	184
1.01.1074.0	1074	184

Nº ZEN ANTIGO OLD ANTIGUO	Nº ZEN NOVO NEW NUEVO	Pg.
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1.01.1090.0	1090	184
1.01.1097.0	1097	185
1.01.1104.0	1104	185
1.01.1107.0	1107	185
1.01.1108.0	1108	185
1.01.1109.0	1109	185
1.01.1113.0	1113	185
1.01.1117.0	1117	185
1.01.1133.0	1133	185
1.01.1134.0	1134	185
1.01.1152.0	1152	185
1.01.1153.0	1153	185
1.01.1155.0	1155	185
1.01.1156.0	1156	185
1.01.1162.0	1162	185
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1.01.1548.0	1548	189
1.01.1550.0	1550	189
1.01.1552.0	1552	189
1.01.1553.0	1553	189
1.01.1555.0	1555	189
1.01.1556.0	1556	189
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1.01.1561.0	1561	190
1.01.1562.0	1562	190
1.01.1563.0	1563	190
1.01.1567.0	1567	190
1.01.1570.0	1570	190
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1.01.1575.0	1575	190
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1.01.1585.0	1585	190
1.01.1588.0	1588	190
1.01.1597.0	1597	190
1.01.1605.0	1605	190
1.01.1607.0	1607	190
1.01.1608.0	1608	190
1.01.1612.0	1612	190
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1.01.1615.0	1615	191
1.01.1616.0	1616	191
1.01.1617.0	1617	191
1.01.1619.0	1619	191
1.01.1620.0	1620	191
1.01.1629.0	1629	191
1.01.1630.0	1630	191
1.01.1631.0	1631	191
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1.01.1650.0	1650	191
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1.01.1666.0	1666	192
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1.01.1680.0	1680	192
1.01.1681.0	1681	192
1.01.1684.0	1684	192
1.01.1685.0	1685	192
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1.01.1691.0	1691	192
1.01.1695.0	1695	192
1.01.1702.0	1702	192
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1.01.1705.0	1705	192
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1.01.1712.0	1712	193
1.01.1714.0	1714	193
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1.01.1722.0	1722	193
1.01.1723.0	1723	193
1.01.1727.0	1727	193
1.01.1734.0	1734	193
1.01.1735.0	1735	193
1.01.1740.0	1740	193
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1.01.1752.0	1752	194
1.01.1755.0	1755	194
1.01.1756.0	1756	194
1.01.1757.0	1757	194
1.01.1758.0	1758	194
1.01.1759.0	1759	194
1.01.1761.0	1761	194
1.01.1762.0	1762	194
1.01.1763.0	1763	194
1.01.1764.0	1764	194
1.01.1765.0	1765	194
1.01.1768.0	1768	194
1.01.1770.0	1770	194
1.01.1771.0	1771	194
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1.01.1788.0	1788	195
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1.01.1797.0	1797	195
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1.01.1803.0	1803	196
1.01.1808.0	1808	196
1.01.1812.0	1812	196
1.01.1813.0	1813	196
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1.01.1816.0	1816	196
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1.01.1822.0	1822	196
1.01.1823.0	1823	196
1.01.1824.0	1824	196
1.01.1825.0	1825	196
1.01.1826.0	1826	196
1.01.1827.0	1827	196
1.01.1830.0	1830	196
1.01.1838.0	1838	196
1.01.1839.0	1839	197
1.01.1841.0	1841	197
1.01.1847.0	1847	197
1.01.1848.0	1848	197
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1.01.1856.0	1856	197
1.01.1857.0	1857	197
1.01.1861.0	1861	197
1.01.1862.0	1862	197
1.01.1863.0	1863	197
1.01.1864.0	1864	197
1.01.1871.0	1871	197
1.01.1872.0	1872	197
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	1923	199
	1924	199
	1925	199
	1926	200
	1927	200
	1930	200
	1932	200
	1933	200
	1934	200
	1935	200
	1938	200
	1939	200
	1942	200
	1943	200
	1945	200
	1947	200
	1949	200
	1950	200
	1957	200
	1958	201
	1959	201
	1962	201
	1963	201
	1964	201
	1965	201
	1966	201
	1967	201
	1968	201
	1969	201
	1970	201
	1974	201
	1975	201
	1976	201
	1977	201
	1978	201
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A4 Avant, 1.4 E 2.0 TFSI	1975	201
A4 - Avant - Quattro 1.9TDI	1067	184
A5 Cabriolet Quattro, 2.0 TFSI	1975	201
A5 Cabriolet, 2.0 TFSI	1975	201
A5 Coupe 1.4 TFSI	1975	201
A5 Coupe Quattro, 2.0 TFSI	1975	201
A5 Coupe, 2.0 TFSI	1975	201
A5 Sportback 1.4 TFSI	1975	201
A5 Sportback G-tron, 2.0 TFSI	1975	201
A6 1.6, 1.8 e 2.0	0475	170
A6	0925	180
A6 2.5 TDI	1631	191
A6	1930	200
A6 - Avant 1.9 TDI	1067	184
A8 2.5 TDI	1631	191
Coupe 1.6	0482	170
Fox 100 1.6, 1.8, 1.9	0068	162
Fox 4000 1.6, 1.7	0068	162
Fox 50 1.3, 1.5	0068	162
Fox 80 1.3, 1.5, 1.6	0068	162
Q3 1.4	1985	202
Q3 2.0	1985	202
Q3 2.0 TDI	2006	202
Q5 45 Quattro, 2.0 TFSI	1975	201
Q5 Quattro, 2.0 TFSI	1975	201
Q7	1223	187
Quattro	0108	162
Quattro	0482	170
Quattro	1631	191
RS3 Limousine 2.5	1985	202
RSQ3 2.5	1985	202
S 3 Quattro	1655	191
S3 L4 2.0L	1978	201
S3 2.0	1985	202
TT	1108	185
TT 1.8 T - 3.2 V6 quattro	1856	197
TT L4 2.0L 1984cc 121cid CCTA	1891	198
TT 8 T - Quattro	1910	199
TT 1.8T / 3.2L	1920	199
TT Quattro L4 2.0L	1978	201
TT 2.0 e 2.5	1985	202
TT 1.8 TFSI	2006	202
TT 2.0 TDI	2006	202
TT Coupe 1.8	1655	191
TT Quattro L4 2.0L 1984cc 121cid CCTA	1891	198
TTS 2.0	1985	202

Austin	Nº ZEN	Pg.
1100	0170	205
1100	0171	205
Allegro	0170	205
Allegro	0171	205
Allegro	0380	205
Maestro 2.0	0822	178



Austin	Nº ZEN	Pg.
Maxi	0170	205
Maxi	0171	205
Maxi	0380	205
Mini	0170	205
Mini	0171	205
Mini	0380	205
Morris 1100	0486	170
Autobianchi	Nº ZEN	Pg.
Especial/Special	1056	184
BBA	Nº ZEN	Pg.
Série BA 2.2, BA100 E D265	2009	202
Bedford	Nº ZEN	Pg.
CA 1.6,2.0	0412	168
Caminhão	0486	170
CF	0170	205
CF	0171	205
CF 1.6,2.0	0412	168
CF 1.8 e 2.3	1188	186
Chevanne	0170	205
Chevanne	0171	205
Ha Van	0170	205
Ha Van	0171	205
Ha Van	0380	205
MIDI	0686	174
MIDI	0765	176
Rascal	0686	174
TL 1000 330	1616	191
TL 1260 330	1616	191
TL 1630 330 Turbo (107 bhp)	1616	191
TL 860 330	1616	191
Bluebird Bus	Nº ZEN	Pg.
Bluebird	9402	205
BMW	Nº ZEN	Pg.
114 1.5	1983	202
116 1.5	1983	202
116i	1927	200
118 1.5	1983	202
118i	1927	200
120 2.0	1983	202
120i	1927	200
125 2.0	1983	202
125i 3.0L 2996cc	1765	194
135i 3.0L 2979cc	1765	194
1500	0223	164
1502	0223	164
1600	0223	164
1602	0223	164
1800	0223	164
1800TI	0223	164
1802	0223	164
2000	0223	164
2002	0223	164
2002 Turbo	0223	164
214 1.5	1984	202

BMW	Nº ZEN	Pg.
216 1.5	1984	202
218 1.5	1983	202
218 1.5 e 2.0	1984	202
220 2.0	1983	202
220 2.0	1984	202
225 2.0	1984	202
230 2.0	1983	202
2500	0223	164
2500	0300	165
2600	0015	161
2600L	0015	161
2800	0223	164
2800	0300	165
3	2024	203
3000	0223	164
3000	0300	165
315	0361	166
316	0223	164
316	0361	166
316, 318, 325 série E36	0997	182
316i	0475	170
318	0223	164
318	0361	166
318 1.5	1983	202
318 TDS	1487	188
318i	0475	170
318i	0969	181
318i	1927	200
320	0108	162
320	0223	164
320	0361	166
320	0395	167
320 1.6, 2.0	1983	202
320	2024	203
3200	0015	161
3200CS	0015	161
320i	0223	164
320i	0395	167
320i	0475	170
321i	0395	167
323 i	0108	162
324	1033	183
324D	0573	171
324D	0969	181
324TD	0573	171
325	1033	183
325E	0482	170
325i	0475	170
325i	0482	170
330 2.0	1983	202
3300	0223	164
3300	0300	165
335d L6 3.0	2024	203
418 1.5	1983	202
420 2.0	1983	202
430 2.0	1983	202
5 Série Active Hybrid 3.0L 2979cc	1765	194

BMW	Nº ZEN	Pg.
503	0015	161
518	0223	164
518	0361	166
518i	0475	170
520	0108	162
520	0223	164
520	0367	167
520	0395	167
520 1.6, 2.0	1983	202
520i	0223	164
520i	0475	170
523 i	0108	162
523i	0475	170
523i 3.0L 2996cc	1765	194
524D	0969	181
524TD	0573	171
525	0223	164
525	0300	165
525	0361	166
525	0395	167
525	1033	183
525E	0482	170
525i	0475	170
528	0108	162
528	0223	164
528	0300	165
528	0361	166
528	0395	167
528i	0223	164
528i	0475	170
528i 3.0L 2996cc	1765	194
528i	0068	162
530	0300	165
530 2.0	1983	202
530Li 3.0L, N52B30AF, Non-Turbo	1765	194
628	0361	166
630	0300	165
630 2.0	1983	202
635	0300	165
663	0300	165
7	2024	203
725 TDS 12V	1033	183
728	0223	164
728	0300	165
728	0361	166
728 série E38	0997	182
728i	0475	170
728i	0068	162
730	0300	165
730 2.0	1983	202
730i 3.0L 2996cc	1765	194
732	0300	165
733	0300	165
735	0300	165
740i 3.0L 2979cc	1765	194
745	0300	165
750i	0573	171

BMW	Nº ZEN	Pg.
90	0482	170
900	0482	170
900 Turbo	0482	170
900 Turbo 16	0482	170
9000	0482	170
900iNJ	0482	170
BMW 320, Séries X3,X5	1718	193
BMW 325	1630	191
BMW 525	1630	191
BMW 725	1630	191
BMW série 5 e série E34 - E36 Todos os tipos exceto diesel	0997	182
M535i	0300	165
R100	0325	166
R45	0325	166
R60	0325	166
R65	0325	166
R75	0325	166
R80	0325	166
Série 1	1720	193
Série 3	1720	193
Série 5	1720	193
Série 6	1720	193
Série 7	1720	193
Séries 5	1486	188
Séries 7	1486	188
Séries 8	1486	188
Séries X5	1486	188
X1	1720	193
X1 2.0	1984	202
X3 2.0 2.5 e 3.0	1720	193
X3 3.0L 2979cc	1765	194
X3 3.0L 2996cc	1765	194
X3 2.0i	1927	200
X3 1.6 e 2.0	1983	202
X3 2.0	2024	203
X4 2.0	1983	202
X5	1720	193
X5 3.0	2024	203
X5 L6 3.0 DIESEL	2024	203
X6	1720	193
Z4 2.2 2.5 e 3.0	1720	193
Z4 2.5L 2497cc	1765	194
Z4 3.0L 2979cc	1765	194
Z4 3.0L 2996cc	1765	194
Z4 2.0i	1927	200
Bobcat	Nº ZEN	Pg.
2400 Perkins 4-236 Dsl	0649	173
2410 Perkins 4-236 Dsl	0649	173
3023 Kubota V1702 Dsl	0649	173
641 Deutz F2L511 Dsl	0649	173
741 Deutz F2L511D Dsl	0649	173
843B Isuzu 4JB1PK-01 Dsl	0649	173
843HC Isuzu 4JB1PK-01 Dsl	0649	173
853 Isuzu 4JB1PK-03 Dsl	0649	173
853H Isuzu 4JB1PK-03 Dsl	0649	173

Bobcat	Nº ZEN	Pg.
943 Perkins 4-236 Dsl	0649	173
974 Perkins 4-236 Dsl	0649	173
Especial/Special	0644	172
Especial/Special	1194	186

Bomag	Nº ZEN	Pg.
BF223C 2.2	2009	202
BW 905 SH/SL	0417	168

Bonser	Nº ZEN	Pg.
D20	0398	167
D200K	0398	167
D25	0398	167
D2500K	0398	167

Borgward	Nº ZEN	Pg.
Especial/Special	0462	169

Buick	Nº ZEN	Pg.
Century 4 cil 2.2L	0783	176
Century 3.1 L (189) V6	10003	204
Century 3.1 L (189) V6	12720	208
Century V6 3.8L 3800cc 231cid	0433	168
Electra V6 3.8L 3800cc 231cid	0433	168
Enclave V6 3.6L 217cid	0806	177
Enclave V6 3.6L 3564cc 217cid	0806	177
Encore 1.4 L4 Gasolina	1922	199
LaCrosse V6 3.0L 182cid	0806	177
LaCrosse V6 3.6L 217cid	0806	177
LaCrosse V6 3.6L 3564cc 217cid	0806	177
LeSabre V6 3.0L 181cid	0433	168
Regal V6 3.1	0783	176
Regal L4 2.0L 1998cc 122cid	1935	200
Skylark V6 3.0L 181cid	0433	168
Somerset Regal V6 3.0L 181cid	0433	168
Somerset V6 3.0L 181cid	0433	168

Cadillac	Nº ZEN	Pg.
ATS L4 2.0L 1998cc 122cid	1935	200
ATS L4 2.5L 2457cc 150cid	1935	200
DeVille V8 4.6L 281cid Gasolina	0774	176
Eldorado V8 4.6L 281cid Gasolina	0774	176
Escalade 5.7	0756	175
Escalade V8 6.2L	1761	194
Escalade 5.3L (325) V8	10003	204
Escalade 5.3L (325) V8	12720	208
Seville V8 4.6L 281cid	0774	176
Seville V8 4.6L 281cid Gasolina	0774	176
SRX V6 3.0L 182cid	0806	177
STS V6 3.6L 217cid	0806	177

Carraro	Nº ZEN	Pg.
Super Tigre 625	1005	182

Case	Nº ZEN	Pg.
1190 3 165 Diesel	0411	168
1290 4 Cil 195 Diesel	0411	168
1294 4 Cil 219 Diesel	0411	168
1390 4 Cil 219 Diesel	0411	168

Case	Nº ZEN	Pg.
1394 4 Cil 219 Diesel	0411	168
1490 4 Cil 219 Diesel	0411	168
1494 4 Cil 219 Diesel	0411	168
1820	1616	191
380CK	0411	168
580/E/CK (Perkins) Perkins	0024	161
580F Construction King European	0411	168
770 3 146 Diesel	0411	168
780 Diesel Engines	0411	168
780 3 146 Diesel	0411	168
80 CR / 80 P	1073	184
850 3 154 Diesel	0411	168
995 Farm Tractor 4 Cil 219 Diesel	0411	168
ACCO1820	1616	191
CX27B V8 3TNV82	1556	189
CX31B V8 3TNV88	1556	189
CX36B V8 3TNV88	1556	189
Pá Carregadeira com motor Scania	0087	205
Pá Carregadeira W7 com motor Perkins 6 cil	0024	161
Retroescavadeira 580H	0118	162
Retroescavadeira 580 Perkins 4 cil	0024	161
Retroescavadeira 580CK Perkins 4cil	0024	161
Retroescavadeira 580E Perkins 4 cil	0024	161
Retroescavadeira 580H	0024	161
Trator 2470	0087	205
Trator 4490	0087	205
Trator W36	0087	205
TX36	1616	191
Windrower 6000 225 gasolina	0495	170
Windrower 6500 225 gasolina	0495	170

Caterpillar	Nº ZEN	Pg.
2.5kW/12 Volt	9402	205
Motoniveladora 12E	0036	205
Motor 2.2	2009	202

CBT	Nº ZEN	Pg.
1090 Perkins 6 cil	0060	162
8240 4.248 JF 12v	1690	192
8440	1073	184
Trator 1000 Perkins 4 e 6 cil	0024	161
Trator 1090 Perkins 4 e 6 cil	0024	161
Trator 1100 Perkins 4 e 6 cil	0024	161
Trator 8240 Perkins 4236	0024	161
Trator 8240	0118	162
Trator 8260 4x4 com motor Perkins	0118	162

Chery	Nº ZEN	Pg.
QQ 1.1	2028	203
Tiggo 2.0 16V	1976	201

Chrysler	Nº ZEN	Pg.
200 V6 3.6L 3605cc 220cid VIN G	1877	198
300 V8 7.2L 440cid	0495	170
300 V8 7.2L 7211cc 440cid	0495	170
300 V8 7.2L 7212cc 440cid	0495	170
Avenger L4 2.4L 2360cc 144cid	1771	194
Caliber L4 1.8L 1798cc 110cid	1771	194



Chrysler	Nº ZEN	Pg.
Caliber L4 2.0L 1998cc 122cid	1771	194
Caliber L4 2.0L 1998cc 122cid VIN A	1771	194
Caliber L4 2.4L 2360cc 144cid	1771	194
Caliber L4 2.4L 2360cc 144cid VIN A	1771	194
Caminhão Dodge D300 com motor Perkins	0118	162
Caravan	0817	177
Chrysler Concorde 3.3L	9492	205
Concorde	0817	177
Cordoba L6 3.7L 3687cc 225cid	0495	170
Cordoba V8 5.2L 318cid	0495	170
Cordoba V8 5.9L 360cid	0495	170
Cordoba V8 6.6L 400cid	0495	170
Crosfire 3.2L - 3199cc	1485	188
Cruiser 2.2	2022	203
Daytona 3.0	0575	171
Daytona 3.0	0750	175
Daytona 3.0	1201	186
Dodge	0352	166
Dodge	0506	170
Dodge 2.2, 2.5 lts	0532	170
Dodge	0573	171
Dodge Série S	0661	173
Dodge 6cil e 8cil - Motor B	0675	173
Dodge 1500	0397	167
Dodge C17	0392	167
Dodge C20	0392	167
Dodge C2662	0392	167
Dodge C2664	0392	167
Dodge Chrysler	0050	161
Dodge D14000 MWM 6 cil e partida Wapsa	0085	162
Dodge D400 Perkins 4 cil	0024	161
Dodge D500	0054	161
Dodge D750 MWM 6 cil	0085	162
Dodge D950 MWM 6 cil	0085	162
Dodge Dakota 2.5 Diesel	0573	171
Dodge Eagle Vision Intrepid	0817	177
Dodge Fifth Avenue	0817	177
Dodge Horizon	0339	166
Dodge Neon	1545	189
Dodge Polara 1800	0077	162
Dodge RAM	1470	188
Dodge Ranger DKCF, DVC, WC	0486	170
Dodge Ranger KC, VC	0486	170
Dodge Ranger KCF, DKC	0486	170
Dodge T17	0392	167
Dynanty	0817	177
E Class 4 Cil 2.6L 2555cc 156cid	9307	205
Executive Limousine 4 Cil 2.6L 2555cc 156cid	9307	205
Executive Sedan 4 Cil 2.6L 2555cc 156cid	9307	205
Fifth Avenue L6 3.7L 3687cc 225cid	0495	170
Fifth Avenue V8 5.2L 318cid	0495	170
Fifty Avenue Lebaron	1201	186
Grand Caravan 3.0 i LE	0641	172
Grand Voyager V(RT)Eng. EGH3.8148kw EGH	1970	201
Grand Voyager V(RT)Eng. EGL3.8142kw EGL	1970	201
Imperial V8 5.2L 318cid	0495	170
Imperial V8 7.2L 440cid	0495	170

Chrysler	Nº ZEN	Pg.
Imperial V8 7.2L 7211cc 440cid	0495	170
Imperial V8 7.2L 7212cc 440cid	0495	170
Imperial	0817	177
Jeep Cherokee	0801	177
Jeep Cherokee	0825	178
Jeep Cherokee Sport	0573	171
Journey L4 2.4L 2360cc 144cid	1771	194
LeBaron L6 3.7L 3687cc 225cid	0495	170
LeBaron V8 5.2L 318cid	0495	170
LeBaron V8 5.9L 360cid	0495	170
LeBaron 4 Cil 2.6L 2555cc 156cid	9307	205
Liberty 2.4L	1538	189
Liberty 3.7L	1538	189
Neon	0852	178
Neon II 1.6 - 2.0 16V	1545	189
New Yorker L6 3.7L 3687cc 225cid	0495	170
New Yorker V8 5.2L 318cid	0495	170
New Yorker V8 5.9L 360cid	0495	170
New Yorker V8 6.6L 400cid	0495	170
New Yorker V8 6.6L 6555cc 400cid	0495	170
New Yorker V8 7.2L 440cid	0495	170
New Yorker V8 7.2L 7211cc 440cid	0495	170
New Yorker V8 7.2L 7212cc 440cid	0495	170
New Yorker	0817	177
New Yorker 4 Cil 2.6L 2555cc 156cid	9307	205
Newport L6 3.7L 3687cc 225cid	0495	170
Newport V8 5.2L 318cid	0495	170
Newport V8 5.9L 360cid	0495	170
Newport V8 5.9L 5899cc 360cid	0495	170
Newport V8 5.9L 5900cc 360cid	0495	170
Newport V8 6.3L 383cid	0495	170
Newport V8 6.3L 6286cc 383cid	0495	170
Newport V8 6.6L 400cid	0495	170
Newport V8 6.6L 6555cc 400cid	0495	170
Newport V8 7.2L 440cid	0495	170
Newport V8 7.2L 7211cc 440cid	0495	170
Newport V8 7.2L 7212cc 440cid	0495	170
Omni	0339	166
Pacifica V6 3.8L 3778cc231cid	1970	201
PT Cruiser	0617	172
Saragata 3.0	0575	171
Saragata 3.0	1201	186
Saragata 3.0 3.0	0750	175
Sebring 2.0 CRD	2025	203
Sebring L4 2.4L 2360cc 144cid	1771	194
Shadow 2.5, 3.0 V6	0532	170
Spirit 2.5, 3.0 V6	0532	170
Spirit	0641	172
Stratus	0852	178
Town	0817	177
Town Country L6 3.7L 3687cc 225cid	0495	170
Town Country V8 5.9L 360cid	0495	170
Town Country V8 6.3L 383cid	0495	170
Town Country V8 6.3L 6286cc 383cid	0495	170
Town Country V8 6.6L 400cid	0495	170
Town Country V8 6.6L 6555cc 400cid	0495	170
Town Country V8 6.6L 6556cc 400cid	0495	170

Chrysler	Nº ZEN	Pg.
Town Country V8 7.2L 440cid	0495	170
Town Country V8 7.2L 7211cc 440cid	0495	170
Town Country V8 7.2L 7212cc 440cid	0495	170
Town E Country V6 3.6L 3604cc 220cid	1877	198
Town E Country V6 3.6L 3605cc 220cid	1877	198
Town E Country V6 3.3L 3301cc201cid	1970	201
Town E Country V6 3.8L 3778cc231cid	1970	201
Town E Country 4 Cil 2.6L 2555cc 156cid	9307	205
Voyager 2.5, 3.0 V6	0532	170
Voyager V6 3.0	0575	171
Voyager 2.5 e 3.0.	0641	172
Voyager 2.5 TD	0706	174
Voyager 3.3 V6	0750	175
Voyager 3.0 V6	1201	186

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AX	0482	170
Ax	0775	176
AX 1.4 diesel	0775	176
Ax	0976	182
Ax	1152	185
AX Sport	0775	176
Berlingo	0846	178
Berlingo	0976	182
Berlingo 1.8 D, 1.9 D e 2.0 HDi	1023	183
Berlingo 1.8, 1.8 d	1031	183
Berlingo 1.8, 1.8 d	1037	183
Berlingo 1.9 D	1576	190
Berlingo 2.0 HDi	1576	190
Berlingo	1752	194
Berlingo 1.6 HDI	1758	194
Berlingo 1.1, 1.4 e 1.6	1763	194
Berlingo 2.0	1774	194
Berlingo 1.6 HDI	1812	196
Berlingo	1822	196
Berlingo 1.1 - 1.6 HDi	1902	198
BX	0961	181
BX	1152	185
BX 14	0108	162
BX 16	1187	186
BX14	0482	170
BX14	0775	176
BX16	0482	170
BX16	0775	176
BX16	0926	180
BX17 Diesel	0800	177
BX19 Diesel	0800	177
C1 1.0	1545	189
C1 1.4 - 1.6 - 2.2 HDi	1902	198
C1 (PM, PN) Eng.1KRFE 1.0 50kw 1KRFE	1925	199
C1 1000, CFA, 1KRFE	1925	199
C1, C2, C3 1.4 Hdi e 1.6 Hdi	1812	196
C2	0458	169
C2 1.6 HDI	1758	194
C2 1.1, 1.4 e 1.6	1763	194
C2	1822	196
C2 1.4 - 1.6 - 2.2 HDi	1902	198

Citroën	Nº ZEN	Pg.
C22	0108	162
C25	0108	162
C25	1187	186
C3	0458	169
C3	0965	181
C3 1.1i, 1.4i, 1.6 16V	0976	182
C3	1752	194
C3	1755	194
C3 1.6 16V HDI	1758	194
C3 1.1, 1.4 e 1.6	1763	194
C3	1822	196
C3 1.4 - 1.6 - 2.2 HDi	1902	198
C3 1.6	1982	202
C3 1.2, Puretech	2001	202
C4	1755	194
C4 1.6 HDI	1758	194
C4 1.6 16V Bio flex e 1.6 Hdi	1812	196
C4	1822	196
C4 1.4 - 1.6 - 2.2 HDi	1902	198
C4 1.6	1982	202
C4 Pallas	0806	177
C5 1.6 HDI	1758	194
C5 1.6 Hdi e 2.2 HDi	1812	196
C5	1822	196
C5 1.4 - 1.6 - 2.2 HDi	1902	198
Citroen BX 19 Diesel	0646	173
Congo	0846	178
CX 2.0	1187	186
CX Athena	0404	167
CX Reflex	0404	167
DS3	1822	196
DS3 1.6	1982	202
DS4 1.6	1982	202
DS5 1.6	1982	202
Especial/Special	0189	163
Especial/Special	0574	171
Especial/Special	0647	173
Especial/Special	1056	184
Evasion 1.8, 2.0, 2.0 turbo	1031	183
Evasion 1.8, 2.0, 2.0 turbo	1037	183
Jumper 2.0	1031	183
Jumper 2.0	1037	183
Jumper 2.5 D-TD	1072	184
Jumper 1.9 D	1576	190
Jumper 2.0 HDi	1576	190
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Monaco V8 5.2L 5212cc 318cid	0495	170
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Van B200 Van L6 3.2L 3254cc 198cid	0495	170
Van B200 Van L6 3.7L 225cid	0495	170
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Van B250 V8 5.2L 5211cc 318cid	0495	170
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Van B300 L6 3.7L 3687cc 225cid	0495	170
Van B300 V8 5.2L 5211cc 318cid	0495	170
Van B300 Van L6 3.7L 225cid	0495	170
Van B300 Van L6 3.7L 3687cc 225cid	0495	170
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D100 Pick Up V8 5.2L 318cid	0495	170
D100 Pick Up V8 5.2L 5212cc 318cid	0495	170
D150 L6 3.7L 3687cc 225cid	0495	170
D150 V8 5.2L 5211cc 318cid	0495	170
D200 L6 3.7L 3687cc 225cid	0495	170
D200 V8 5.2L 5211cc 318cid	0495	170
D200 Pick Up L6 3.7L 3687cc 225cid	0495	170
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D300 V8 5.2L 5211cc 318cid	0495	170
D300 Pick Up L6 3.7L 3687cc 225cid	0495	170
D300 Pick Up V8 5.2L 318cid	0495	170
D300 Pick Up V8 5.2L 5212cc 318cid	0495	170
D350 V8 5.2L 5211cc 318cid	0495	170
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W100 Pick Up V8 5.2L 318cid	0495	170
W100 Pick Up V8 5.2L 5212cc 318cid	0495	170
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W150 V8 5.2L 5211cc 318cid	0495	170
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W200 Pick Up V8 5.2L 318cid	0495	170
W200 Pick Up V8 5.2L 5212cc 318cid	0495	170
W250 V8 5.2L 5211cc 318cid	0495	170
W300 L6 3.7L 3687cc 225cid	0495	170
W300 V8 5.2L 5211cc 318cid	0495	170
W300 Pick Up L6 3.7L 3687cc 225cid	0495	170
W300 Pick Up V8 5.2L 318cid	0495	170
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S10	0770	176
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Savana Vans 4.8L (291) V8	12720	208
Savana Vans 5.3L/5.3L XL (325) V8	12720	208
Série D - d20 Plus Maxion S4T JF 12V	1690	192
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Sierra 5.3	1989	202
Sierra Pick Up 4.8L (291) V8	10003	204
Sierra Pick Up 5.3L/5.3L XL (325) V8	10003	204
Sierra Pick Up 4.8L (291) V8	12720	208
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Silverado MWM	1022	183
Silverado	1608	190
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Silverado 1500 V8 5.3L	1761	194
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Silverado Pick Up 4.8L(291) V8	12720	208
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SSR Sport Truck 5.3L (325) V8	12720	208
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Suburban 5.3L(325) V8	10003	204
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Suprema 2.0 / 2.2 / 3.0	1209	187
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T6500 V8 6.0L 366cid	0774	176
T7500 V8 6.0L 366cid	0774	176
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Tahoe 5.3L(325) V8	10003	204

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Trailblazer 5.3L(325) V8	12720	208
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Vectra 2.2	10003	204
Vectra 2.2	12720	208
Vectra CD	0770	176
Vectra GLS 2.0	0745	175
Vectra GSi 2.0i 16v	0745	175
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Yukon 5.3L/5.3L XL (325) V8	10003	204
Yukon 4.8L (291) V8	12720	208
Yukon 5.3L/5.3L XL (325) V8	12720	208
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Zafira 2.0 SFI 16v	0745	175
Zafira	0770	176
Zafira 2.0	10003	204
Zafira 2.0 MPFI	12683	208
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210103708620	0213	164	3262	1228	187	3691	0020	161	6471	10003	204
210803708620	0540	171	3263	1228	187	3696	0020	161	6472	0756	175
CT2213708600	0213	164	3264	1224	187	3725	0454	169	6473	0783	176
Lester	Nº ZEN	Pg.	3266	1224	187	3733	0020	161	6474	0783	176
3124	0053	161	3267	1199	186	3741	0454	169	6480	0756	175
3131	0053	161	3268	1224	187	3742	0454	169	6481	0770	176
3132	0053	161	3269	1224	187	3764	0454	169	6482	0756	175
3135	0053	161	3270	1224	187	3800	0020	161	6483	0783	176
3148	0205	163	3271	1224	187	3838	0020	161	6491	10003	204
3149	0053	161	3272	1224	187	4038	0020	161	6493	10003	204
3152	0053	161	3273	1224	187	4150	0013	161	6494	10003	204
3153	0053	161	3274	1224	187	4161	0013	161	6541	0454	169
3154	0053	161	3503	0020	161	4208	0020	161	6560	0756	175
3155	0053	161	3504	0020	161	4222	0013	161	6561	0756	175
3157	0053	161	3505	0020	161	4238	0010	161	6562	0756	175
3160	0053	161	3507	0020	161	4238	0013	161	6563	0756	175
3168	0053	161	3508	0020	161	4247	0013	161	6572	0649	173
3169	0053	161	3510	0020	161	4247	0020	161	6576	0649	173
3176	0053	161	3524	0020	161	4253	0020	161	6578	0649	173
3181	0053	161	3525	0020	161	4263	0020	161	6581	0649	173
3185	0053	161	3533	0020	161	4347	0020	161	6583	1194	186
3187	0053	161	3535	0020	161	4724	0020	161	6584	0649	173
3188	0053	161	3546	0020	161	6185	0245	164	6587	0649	173
3189	0053	161	3550	0020	161	6303	0020	161	6588	0649	173
3193	0681	174	3551	0020	161	6305	0454	169	6591	0723	175
3194	0681	174	3552	0020	161	6307	0433	168	6593	0649	173
3196	0455	169	3553	0020	161	6308	0433	168	6600	0649	173
3204	1224	187	3554	0020	161	6309	0433	168	6602	0649	173
3205	1224	187	3557	0020	161	6310	0433	168	6609	0767	176
3207	0135	163	3560	0020	161	6311	0020	161	6646	9705	206
3208	0135	163	3561	0020	161	6312	0433	168	11713	1876	198
3209	0135	163	3563	0020	161	6313	0433	168	16109	1188	186
3211	0135	163	3564	0020	161	6315	0433	168	16121	0170	205
3212	0135	163	3565	0020	161	6316	0433	168	16122	0170	205
3213	1224	187	3568	0020	161	6317	1189	186	16164	0414	168
3214	1193	186	3569	0020	161	6318	0433	168	16166	0412	168
3217	1224	187	3571	0020	161	6319	0433	168	16167	0170	205
3221	1199	186	3601	0454	169	6327	0433	168	16168	0170	205
3224	1224	187	3627	0020	161	6330	0433	168	16169	0280	205
3232	1224	187	3629	0020	161	6331	0433	168	16169	0380	205
3238	1224	187	3630	0013	161	6339	1189	186	16173	0412	168
3239	1224	187	3631	0020	161	6343	0454	169	16188	0170	205
3240	1224	187	3633	0020	161	6346	0454	169	16190	0141	163
3241	1224	187	3635	0020	161	6375	0020	161	16194	0351	166
3246	1224	187	3637	0013	161	6401	0752	175	16201	0141	163
3247	1224	187	3639	0010	161	6407	0610	172	16203	0141	163
3248	0054	161	3639	0013	161	6413	1189	186	16203	0351	166

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
16205	0141	163	16313	0015	161	16443	0080	162	16578	1722	193
16205	0349	166	16314	0015	161	16443	0108	162	16579	0352	166
16207	0141	163	16318	0119	162	16443	0243	164	16579	0382	167
16207	0349	166	16319	0119	162	16445	0228	164	16579	0853	178
16209	0141	163	16320	0015	161	16445	0319	165	16584	0737	175
16210	0144	163	16320	0223	164	16450	0065	162	16586	0947	181
16211	0141	163	16321	0080	162	16450	0131	163	16586	1722	193
16211	0349	166	16326	0044	161	16462	0108	162	16586	9186	205
16215	0140	163	16327	0119	162	16462	0189	163	16588	0144	163
16215	0184	163	16328	0080	162	16465	0120	162	16588	0352	166
16215	0353	166	16329	0119	162	16466	0183	163	16593	0108	162
16217	0327	166	16331	0080	162	16468	0341	166	16593	0120	162
16218	0184	163	16332	0044	161	16484	0189	163	16595	0222	164
16218	0327	166	16332	0080	162	16488	0244	164	16595	0362	167
16220	0327	166	16334	0223	164	16488	0248	165	16597	0248	165
16222	0140	163	16336	0223	164	16488	0404	167	16600	0947	181
16222	0353	166	16337	0080	162	16499	0349	166	16600	1722	193
16223	0327	166	16341	0080	162	16500	0144	163	16600	9186	205
16224	0140	163	16344	0223	164	16500	0352	166	16611	0737	175
16224	0353	166	16345	0015	161	16514	0352	166	16612	0947	181
16230	0140	163	16346	0015	161	16514	0450	169	16612	1722	193
16230	0184	163	16353	0108	162	16514	0597	171	16616	0361	166
16230	0353	166	16355	0119	162	16519	0144	163	16617	0361	166
16238	0140	163	16356	0223	164	16520	0144	163	16619	0108	162
16238	0353	166	16360	0044	161	16521	0120	162	16619	0287	165
16242	0184	163	16360	0080	162	16522	0144	163	16619	0482	170
16245	0184	163	16362	0223	164	16522	0352	166	16621	0068	162
16245	0340	166	16362	0300	165	16522	0450	169	16621	0108	162
16245	0498	170	16362	0323	166	16524	0144	163	16623	0068	162
16245	0545	171	16365	0028	161	16527	0352	166	16623	0420	168
16246	0141	163	16367	0080	162	16530	0068	162	16633	0184	163
16246	0351	166	16367	0108	162	16530	0222	164	16637	0184	163
16248	0947	181	16369	0035	205	16530	0520	170	16646	0184	163
16248	1722	193	16396	0119	162	16531	0108	162	16664	0411	168
16248	9186	205	16396	0131	163	16532	0307	165	16665	0411	168
16251	0947	181	16401	0068	162	16534	0108	162	16669	0486	170
16251	1722	193	16401	0108	162	16538	0108	162	16674	0947	181
16254	0342	166	16401	0229	164	16539	0068	162	16674	1722	193
16257	0111	162	16401	0307	165	16539	0080	162	16676	9307	205
16257	0213	164	16401	0482	170	16539	0108	162	16683	0108	162
16260	0184	163	16405	0220	164	16539	0307	165	16684	0108	162
16261	0140	163	16405	0222	164	16543	0139	163	16687	0223	164
16261	0184	163	16405	0362	167	16543	0221	164	16688	0307	165
16261	0353	166	16405	0520	170	16543	0857	179	16689	0108	162
16270	0141	163	16407	0080	162	16546	0229	164	16692	0080	162
16270	0349	166	16408	0482	170	16547	0323	166	16694	0791	176
16270	0351	166	16412	0080	162	16550	0108	162	16696	0341	166
16272	0342	166	16412	0108	162	16556	0323	166	16700	0120	162
16283	1188	186	16417	0108	162	16556	0406	167	16708	0352	166
16284	0412	168	16417	0339	166	16557	0108	162	16708	0450	169
16299	0080	162	16418	0108	162	16560	0367	167	16710	0691	174
16299	0108	162	16418	0323	166	16565	0392	167	16711	0351	166
16299	0139	163	16438	0325	166	16567	0392	167	16715	0216	164
16299	0221	164	16440	0080	162	16571	0144	163	16715	0319	165
16299	0307	165	16442	0223	164	16578	0947	181	16715	0365	167

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
16720	0144	163	16805	0499	170	16901	9350	205	17005	0571	171
16722	0108	162	16809	0790	176	16902	0815	177	17006	0597	171
16722	0229	164	16809	9527	206	16902	9350	205	17007	9307	205
16727	0292	165	16811	0737	175	16905	9186	205	17009	0631	172
16728	0352	166	16816	0793	176	16906	0947	181	17010	0636	172
16732	0519	170	16817	0687	174	16906	1722	193	17011	0482	170
16732	0554	171	16821	0947	181	16906	9186	205	17013	0482	170
16733	0790	176	16821	1722	193	16911	0947	181	17013	0803	177
16733	9527	206	16823	0947	181	16911	1722	193	17016	0420	168
16735	0947	181	16823	1722	193	16913	0947	181	17016	0573	171
16735	1722	193	16825	0947	181	16913	1722	193	17020	0750	175
16736	0947	181	16825	1722	193	16914	0815	177	17020	9307	205
16736	1722	193	16826	0947	181	16914	9350	205	17023	0798	177
16737	0947	181	16826	1722	193	16922	0450	169	17025	0323	166
16737	1722	193	16827	0947	181	16933	0596	171	17027	0947	181
16739	0946	181	16827	1722	193	16938	0352	166	17027	1722	193
16742	0144	163	16828	0947	181	16938	0450	169	17027	9186	205
16742	0352	166	16828	1722	193	16939	0595	171	17028	9186	205
16752	0460	169	16829	0947	181	16940	0352	166	17030	0579	171
16752	0530	170	16829	1722	193	16940	0450	169	17030	0619	172
16755	0248	165	16830	9301	205	16941	0352	166	17031	0108	162
16756	0287	165	16831	0947	181	16941	0450	169	17038	0630	172
16756	0574	171	16831	1722	193	16949	0228	164	17039	0482	170
16759	0947	181	16832	0140	163	16952	0482	170	17040	0572	171
16759	1722	193	16832	0353	166	16953	0111	162	17043	0857	179
16760	0947	181	16833	0947	181	16954	0537	171	17046	0597	171
16760	1722	193	16833	1722	193	16954	0857	179	17047	0575	171
16760	9186	205	16834	0947	181	16956	0482	170	17057	0517	170
16761	0947	181	16834	1722	193	16957	0228	164	17057	0519	170
16761	1722	193	16837	0947	181	16960	0815	177	17058	0341	166
16761	9186	205	16837	1722	193	16960	9350	205	17061	0108	162
16766	0140	163	16843	0140	163	16961	0428	168	17066	0229	164
16766	0353	166	16843	0353	166	16963	0532	170	17073	0367	167
16773	0351	166	16843	0832	178	16963	0641	172	17074	0225	164
16774	0499	170	16845	0815	177	16966	0450	169	17074	0367	167
16775	0517	170	16845	9350	205	16971	0450	169	17075	0366	167
16775	0519	170	16858	0352	166	16971	0576	171	17077	0419	168
16781	0068	162	16859	0352	166	16974	0292	165	17083	9307	205
16781	0108	162	16874	0595	171	16975	0815	177	17085	0656	173
16786	0947	181	16877	0351	166	16976	0532	170	17087	0376	167
16786	1722	193	16878	0947	181	16978	9502	206	17087	0684	174
16787	0417	168	16878	1722	193	16980	0482	170	17089	0376	167
16790	0947	181	16879	0830	178	16981	9402	205	17090	0376	167
16790	1722	193	16880	0498	170	16982	0791	176	17090	0684	174
16793	0352	166	16881	9301	205	16984	0486	170	17091	9307	205
16794	0352	166	16883	0498	170	16986	0737	175	17093	0310	165
16794	0450	169	16888	0600	172	16991	0554	171	17094	0087	205
16795	0426	168	16892	0947	181	16992	0499	170	17101	9186	205
16795	0450	169	16892	1722	193	16997	0737	175	17105	0366	167
16797	0287	165	16893	9502	206	16998	0596	171	17106	0367	167
16797	0574	171	16893	9506	206	16999	0228	164	17108	0035	205
16802	0947	181	16895	0947	181	17002	0947	181	17108	0218	205
16802	1722	193	16895	1722	193	17002	1722	193	17111	0407	167
16803	0791	176	16900	0596	171	17003	0947	181	17112	0225	164
16805	0141	163	16901	0815	177	17003	1722	193	17112	0366	167

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
17113	0367	167	17203	0809	177	17374	9186	205	17565	0765	176
17113	0392	167	17205	0815	177	17378	9186	205	17574	1212	187
17114	0447	168	17206	0617	172	17380	9402	205	17574	9632	206
17118	9186	205	17210	0641	172	17381	0946	181	17576	0482	170
17122	0108	162	17212	0450	169	17385	9402	205	17579	9307	205
17124	0482	170	17214	0595	171	17388	9402	205	17580	0519	170
17125	0947	181	17216	0750	175	17391	9402	205	17592	0595	171
17125	1722	193	17216	9307	205	17393	9402	205	17606	9186	205
17126	0407	167	17217	0595	171	17399	9402	205	17609	9402	205
17127	0367	167	17221	0595	171	17406	0482	170	17611	9402	205
17129	9307	205	17222	0579	171	17407	0482	170	17613	9402	205
17131	0595	171	17222	0799	177	17408	0482	170	17614	9402	205
17132	0596	171	17223	0729	175	17410	0630	172	17648	0486	170
17134	0323	166	17223	0900	179	17414	0223	164	17653	0486	170
17134	0579	171	17225	0482	170	17415	0799	177	17662	0450	169
17135	0482	170	17227	0630	172	17416	0729	175	17664	0482	170
17136	0367	167	17228	0367	167	17417	0900	179	17667	0787	176
17138	0844	178	17229	0392	167	17420	0947	181	17670	0803	177
17140	0482	170	17231	0639	172	17420	1722	193	17683	0712	174
17142	0808	177	17236	0475	170	17422	0947	181	17685	0712	174
17143	0947	181	17237	0475	170	17422	1722	193	17687	1211	187
17143	1722	193	17240	0947	181	17425	0712	174	17698	0630	172
17144	0287	165	17240	1722	193	17458	9402	205	17699	0482	170
17146	0595	171	17242	1213	187	17460	0817	177	17715	1211	187
17147	0517	170	17246	0711	174	17460	9492	205	17716	1211	187
17147	0519	170	17246	0828	178	17461	0825	178	17774	1211	187
17148	0475	170	17251	0947	181	17465	0817	177	17777	1211	187
17149	0475	170	17251	1722	193	17465	9492	205	17801	1608	190
17150	0630	172	17252	0809	177	17467	0801	177	17872	1876	198
17152	0765	176	17253	0809	177	17469	0596	171	18024	0419	168
17157	0287	165	17254	9186	205	17474	0815	177	18026	0366	167
17157	0482	170	17256	0947	181	17478	0595	171	18028	0392	167
17159	0366	167	17256	1722	193	17481	0947	181	18031	0310	165
17160	0815	177	17258	0392	167	17481	1722	193	18032	0367	167
17160	9350	205	17263	1211	187	17487	0947	181	18039	0035	205
17161	0679	174	17263	9506	206	17487	1722	193	18053	0790	176
17163	0482	170	17266	0595	171	17491	0815	177	18053	9527	206
17164	0482	170	17273	1212	187	17491	9350	205	18054	0790	176
17165	0482	170	17276	0803	177	17508	0482	170	18054	9527	206
17166	0617	172	17281	0630	172	17521	0947	181	18056	0832	178
17170	1211	187	17288	0450	169	17521	1722	193	18061	0790	176
17171	0947	181	17295	0517	170	17527	0815	177	18061	9527	206
17171	1722	193	17299	0684	174	17530	0947	181	18064	0376	167
17176	0596	171	17303	0946	181	17530	1722	193	18064	0684	174
17178	0793	176	17320	0367	167	17534	1211	187	18092	0601	172
17180	0711	174	17331	0684	174	17534	9506	206	18093	0601	172
17181	0450	169	17345	0947	181	17537	0947	181	18097	0144	163
17183	0573	171	17345	1722	193	17537	1722	193	18110	0429	168
17184	0367	167	17345	9186	205	17549	1212	187	18113	0218	205
17185	0595	171	17348	9402	205	17549	9632	206	18117	0087	205
17194	0617	172	17354	0140	163	17559	0825	178	18120	0447	168
17196	0687	174	17354	0353	166	17560	0852	178	18121	0366	167
17197	0750	175	17363	9307	205	17561	0825	178	18122	0118	162
17197	9307	205	17365	9186	205	17563	0852	178	18151	9301	205
17201	0815	177	17368	9307	205	17564	0597	171	18154	9307	205

Lester	Nº ZEN	Pg.	Lucas	Nº ZEN	Pg.	Lucas	Nº ZEN	Pg.	Lucas	Nº ZEN	Pg.
18181	0947	181	TMB167	0823	178	TWB235	0104	162	54292179	0960	181
18181	1722	193	TMB171	0821	177	TWB246	0329	166	54292464	0863	179
18182	0947	181	TMB174	0822	178	TWB247	0328	166	54292929	0822	178
18182	1722	193	TMB182	0820	177	TWB251	0293	165	54294813	0975	182
18190	9301	205	TMB196	0863	179	TWB2520	0294	165	60251022	0280	205
18204	0785	176	TMB211	0189	163	26245621	1716	193	60251022	0380	205
18206	0644	172	TMB263	0287	165	26253397	1507	188	60600038	0486	170
18207	0644	172	TMB265	0574	171	26253621	1518	189	60600077	0411	168
18208	0785	176	TMB266	0570	171	26256097	1516	189	66241474	0917	180
18216	0691	174	TMB275	0647	173	26256287	1509	189	66241583	0908	180
18218	0644	172	TMB276	0657	173	26256545	1504	188	66241709	0918	180
18220	0087	205	TMB281	0775	176	26256675	1717	193	85541220010	2026	203
18221	0218	205	TMB350	1192	186	26257341	1615	191	<b>Lucas Indiel</b>	<b>Nº ZEN</b>	<b>Pg.</b>
18222	0087	205	TMB404	0221	164	54240293	0280	205	220198	0915	180
18225	0218	205	TMB411	0323	166	54240293	0380	205	220210	1134	185
18229	0367	167	TMB419	0046	161	54240294	0280	205	220270	1133	185
18237	0367	167	TMB420	0080	162	54240294	0380	205	220310	0978	182
18250	0367	167	TMB421	0068	162	54240295	0280	205	220401	0801	177
18253	0087	205	TMB427	0319	165	54240295	0380	205	220402	0825	178
18257	0218	205	TMB439	0229	164	54242330	0280	205	220407	1023	183
18259	0118	162	TMB448	0108	162	54242330	0380	205	220408	1024	183
18262	0486	170	TMB450	0361	166	54243657	0412	168	220409	1031	183
18295	0785	176	TMB454	0420	168	54244686	1188	186	220414	1069	184
18298	0684	174	TMB455	0482	170	54245201	1188	186	220415	1070	184
18312	0737	175	TMB471	0228	164	54245341	1188	186	220416	1072	184
18322	0832	178	TMB474	0639	172	54246005	1188	186	220418	1109	185
19195	1876	198	TMB475	0851	178	54246252	0412	168	220419	1117	185
19981	1876	198	TMB480	0108	162	54246340	0398	167	220421	1153	185
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F000CD0905	1666	192
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35258640	0860	179
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46415504	0779	176	63216825	0407	167	63221338	0389	167	63222501	0213	164
46417006	0779	176	63216826	0407	167	63221400	0389	167	63222502	0213	164
46429594	0779	176	63216827	0407	167	63221401	0389	167	63222531	0213	164
46465475	0779	176	63216831	0601	172	63221403	0394	167	63222532	0213	164
63101000	0779	176	63216873	0407	167	63221430	0389	167	63222536	0213	164
63101002	0779	176	63216896	0601	172	63221431	0389	167	63222602	0213	164
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63102004	0779	176	63217104	0407	167	63221500	0394	167	63222635	0213	164
63102007	0779	176	63217105	0407	167	63221503	0394	167	63222636	0213	164
63102008	0779	176	63217118	0407	167	63221508	0389	167	63222700	0213	164
63103002	0779	176	63217119	0407	167	63221509	0394	167	63222701	0213	164
63103003	0779	176	63217120	0407	167	63221530	0394	167	63222706	0213	164
63103007	0999	182	63217125	0407	167	63221533	0394	167	63222730	0213	164
63103008	0999	182	63217126	0601	172	63221538	0389	167	63222731	0213	164
63111000	0969	181	63217147	0407	167	63221539	0394	167	63222736	0213	164
63111005	1113	185	63217148	0601	172	63221632	0394	167	63222831	0786	176
63111006	1113	185	63217154	0601	172	63221637	0389	167	63222831	1206	186
63111007	1113	185	63217188	0601	172	63221639	0394	167	63222832	0786	176
63111008	1169	185	63217201	0407	167	63221730	0394	167	63222832	1206	186
63111009	1169	185	63217225	0407	167	63221731	0394	167	63222833	0786	176
63111010	1113	185	63217226	0601	172	63221800	0786	176	63222833	1206	186
63111016	1561	190	63217410	0601	172	63221800	1227	187	63222836	0786	176
63111027	1169	185	63220104	1496	188	63221830	0786	176	63222836	1206	186
63112003	1169	185	63220107	0768	176	63221832	0786	176	63222837	0786	176
63113001	1718	193	63220108	0768	176	63221834	0786	176	63222837	1206	186
63113002	1718	193	63220137	0768	176	63221890	0786	176	63222838	0786	176
63113003	1169	185	63220506	0408	167	63221890	1227	187	63222838	1206	186
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63114008	1630	191	63220537	0408	167	63221892	1227	187	63222897	0786	176
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63211627	0035	205	63220706	0120	162	63222031	1104	185	63222909	0779	176
63211665	0035	205	63220720	0120	162	63222034	1117	185	63222936	0779	176
63211669	0035	205	63220721	0120	162	63222038	1117	185	63223000	0395	167
63213127	0035	205	63220723	0120	162	63222039	1104	185	63223001	0786	176
63213812	0035	205	63220724	0120	162	63222130	1117	185	63223001	1206	186
63214349	0035	205	63220731	0120	162	63222134	1117	185	63223031	0786	176
63214371	0035	205	63220740	0120	162	63222135	1117	185	63223031	1206	186
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63216325	0035	205	63220743	0120	162	63222138	1117	185	63223032	1206	186
63216701	0407	167	63220744	0120	162	63222300	0533	171	63223033	0786	176
63216703	0407	167	63220746	0120	162	63222301	0533	171	63223033	1206	186
63216707	0407	167	63220800	0120	162	63222331	0533	171	63223034	0786	176
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79581	0595	171	M0T45071	1801	196	M1T71381	0595	171	M2T20282	0352	166
ME031	0144	163	M0T45171	1801	196	M1T71382	0595	171	M2T30581	0450	169
ME041	0144	163	M0T45371	1801	196	M1T71481	0596	171	M2T30583	0450	169
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MCA020	0144	163	M0T71381	0595	171	M1T72181	0596	171	M2T53083	0595	171
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MEA011	0144	163	M0T72581	0595	171	M1T72481	0617	172	M2T54372	12659	206
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MEA040	0144	163	M0T77681	0595	171	M1T72981	0711	174	M2T54571	12659	206
MEA041	0144	163	M0T80285	1018	182	M1T72985	0711	174	M2T54572	0957	181
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MED074	0144	163	M0T93391	0806	177	M1T74785	0711	174	M2T56182	12812	206
MGA060	0352	166	M1M70685	0595	171	M1T74881	0595	171	M2T56185	1047	183
1368852	0450	169	M1M70881	1702	192	M1T76081	0801	177	M2T56185	12812	206
M3T2581	0352	166	M1M70981	0596	171	M1T77181	1018	182	M2T56271	1047	183
M3T3381	0352	166	M1M71281	0596	171	M1T77581	1702	192	M2T56271	12812	206
MD21674	0352	166	M1M71481	0596	171	M1T78881	0711	174	M2T56471	1046	183
MD81567	0450	169	M1M72086	0595	171	M1T80081	0806	177	M2T56471	12812	206
ME10AZR	0144	163	M1M72181	0596	171	M1T80481	1774	194	M2T56472	1046	183
ME12AZR	0144	163	M1M72182	0596	171	M1T80681	1838	196	M2T57771	1047	183
MT36100	0595	171	M1M72281	0679	174	M1T81782	1922	199	M2T57771	12812	206
1810A062	2025	203	M1M74181	1702	192	M1T85781	0806	177	M2T57871	0957	181
M0T20171	1945	200	M1Q71281	0596	171	M1T86781	1538	189	M2T57871	12658	206
M0T20471	1706	193	M1T60281	0712	174	M1T86782	1538	189	M2T57871	12659	206
M0T20472	1706	193	M1T70381	0600	172	M1T86882	1538	189	M2T57881	0957	181
M0T20871	1774	194	M1T70481	0595	171	M1T86883	1538	189	M2T57881	1046	183
M0T21271	1538	189	M1T70482	0595	171	M1T90281	0806	177	M2T57881	12658	206
M0T21471	1774	194	M1T70483	0595	171	M1T93071	2025	203	M2T57881	12659	206
M0T24072	1761	194	M1T70485	0595	171	M1T93371	2025	203	M2T58081	9495	206
M0T30672	1706	193	M1T70681	0595	171	M2T10171	0144	163	M2T58381	9495	206
M0T30771	1706	193	M1T70685	0595	171	M2T10271	0144	163	M2T58481	9495	206
M0T31671	1909	199	M1T70686	0595	171	M2T10282	0352	166	M2T60072	0957	181

Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.
M2T60072	12658	206	M2T78481	1046	183	M3T15972	0144	163	M3T30581	0450	169
M2T60072	12659	206	M2T78482	1046	183	M3T19171	0144	163	M3T30583	0450	169
M2T61771	0957	181	M2T80582	1024	183	M3T19271	0144	163	M3T30681	0450	169
M2T61771	1046	183	M2T84071	1024	183	M3T19471	0144	163	M3T30781	0352	166
M2T61771	12658	206	M2T84171	1024	183	M3T20081	0352	166	M3T30782	0352	166
M2T61771	12659	206	M2T84571	1024	183	M3T20181	0352	166	M3T30881	0450	169
M2T62971	12812	206	M2T84771	1903	198	M3T20381	0352	166	M3T30981	0450	169
M2T64372	0957	181	M2T87071	1024	183	M3T20681	0352	166	M3T32382	0352	166
M2T64372	12658	206	M2T87171	1024	183	M3T20781	0352	166	M3T32581	0352	166
M2T64372	12659	206	M2T87271	1024	183	M3T21281	0352	166	M3T32582	0352	166
M2T64373	0957	181	M2T87371	1567	190	M3T21281	0450	169	M3T32583	0352	166
M2T64373	12658	206	M2T87471	1024	183	M3T21282	0352	166	M3T32588	0450	169
M2T64373	12659	206	M2T87871	1024	183	M3T21381	0352	166	M3T32589	0450	169
M2T65271	1046	183	M2T87971	1567	190	M3T21381	0450	169	M3T32591	0450	169
M2T65271	12812	206	M2T88071	1567	190	M3T21781	0450	169	M3T32592	0450	169
M2T65272	1046	183	M2T88271	1567	190	M3T21882	0450	169	M3T32593	0450	169
M2T66371	0957	181	M2T88572	2022	203	M3T22081	0352	166	M3T32681	0352	166
M2T66371	12658	206	M3M32722	0450	169	M3T22381	0352	166	M3T32781	0352	166
M2T66371	12659	206	M3M32782	0450	169	M3T22581	0352	166	M3T32782	0352	166
M2T66872	0957	181	M3Q38882	0450	169	M3T22581	0450	169	M3T32985	0836	178
M2T66872	12658	206	M3T10071	0144	163	M3T22582	0352	166	M3T33081	0636	172
M2T66872	12659	206	M3T10072	0144	163	M3T22681	0352	166	M3T33182	0450	169
M2T66873	0957	181	M3T10171	0144	163	M3T22781	0352	166	M3T33281	0450	169
M2T66873	12658	206	M3T10172	0352	166	M3T24481	0352	166	M3T33282	0450	169
M2T66873	12659	206	M3T10271	0144	163	M3T24482	0352	166	M3T33381	0352	166
M2T67871	0957	181	M3T10272	0144	163	M3T24482	0450	169	M3T33382	0352	166
M2T67871	12658	206	M3T10371	0144	163	M3T24483	0352	166	M3T33581	0352	166
M2T67871	12659	206	M3T10372	0144	163	M3T24485	0352	166	M3T33582	0352	166
M2T67872	0957	181	M3T10473	0426	168	M3T24486	0352	166	M3T33583	0352	166
M2T67872	12658	206	M3T10475	0426	168	M3T24487	0352	166	M3T33585	0352	166
M2T67872	12659	206	M3T10476	0426	168	M3T24488	0352	166	M3T33586	0352	166
M2T67873	0957	181	M3T10572	0144	163	M3T25081	0352	166	M3T33587	0352	166
M2T67873	12658	206	M3T10672	0144	163	M3T25281	0352	166	M3T33588	0352	166
M2T67873	12659	206	M3T11172	0144	163	M3T25781	0352	166	M3T35081	0352	166
M2T67881	0957	181	M3T11173	0144	163	M3T25782	0352	166	M3T35082	0352	166
M2T67881	1046	183	M3T11174	0144	163	M3T25783	0352	166	M3T35088	0352	166
M2T67881	12658	206	M3T11272	0144	163	M3T25785	0352	166	M3T3586D	0450	169
M2T67881	12659	206	M3T11372	0144	163	M3T25882	0352	166	M3T38082	0450	169
M2T67882	0957	181	M3T11373	0144	163	M3T25883	0352	166	M3T38181	0450	169
M2T67882	1046	183	M3T11772	0144	163	M3T25885	0352	166	M3T38381	0450	169
M2T67882	12658	206	M3T12372	0144	163	M3T25885	0450	169	M3T38481	0450	169
M2T67882	12659	206	M3T12572	0144	163	M3T25891	0352	166	M3T38581	0450	169
M2T67883	0957	181	M3T12672	0144	163	M3T27686	0352	166	M3T38682	0450	169
M2T67883	1046	183	M3T13071	0144	163	M3T27786	0450	169	M3T38881	0450	169
M2T67883	12658	206	M3T13072	0144	163	M3T29482	0450	169	M3T38882	0450	169
M2T67883	12659	206	M3T15072	0144	163	M3T29681	0352	166	M3T38883	0450	169
M2T69081	1046	183	M3T15073	0144	163	M3T30081	0352	166	M3T38884	0450	169
M2T72871	1046	183	M3T15074	0144	163	M3T30082	0352	166	M3T38885	0450	169
M2T74171	1047	183	M3T15075	0144	163	M3T30088	0352	166	M3T38981	0450	169
M2T74171	12812	206	M3T15171	0144	163	M3T30281	0352	166	M3T38982	0450	169
M2T74371	1046	183	M3T15271	0144	163	M3T30282	0352	166	M3T39182	0352	166
M2T78271	0957	181	M3T15372	0144	163	M3T30285	0352	166	M3T39385	0450	169
M2T78271	12658	206	M3T15675	0144	163	M3T30286	0352	166	M3T39481	0450	169
M2T78271	12659	206	M3T15772	0144	163	M3T30381	0352	166	M3T39523	0450	169
M2T78381	1046	183	M3T15872	0144	163	M3T30382	0352	166	M3T39981	0450	169

Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.
M3T41081	0450	169	M8T71471	1904	198	MD101219	0450	169	ME202424	1563	190
M3T41083	0450	169	M8T75071	2000	202	MD107614	0450	169	ME202970	1563	190
M3T41088	0450	169	M8T75073	1563	190	MD107615	0450	169	ME204425	1563	190
M3T41181	0450	169	M8T75271	1904	198	MD112625	0595	171	MED10AZR	0144	163
M3T41185	0450	169	M8T75371	1904	198	MD136933	0595	171	MG120413	0957	181
M3T41186	0450	169	M8T75671	1904	198	MD161437	0450	169	MG120413	12658	206
M3T41282	0450	169	M8T75971	2000	202	MD162836	0450	169	MG120413	12659	206
M3T41285	0450	169	M8T76071	1906	199	MD162837	0450	169	MM111514	0352	166
M3T41681	0450	169	M8T78611	1563	190	MD162838	0450	169	MM115513	0352	166
M3T42781	0450	169	M9T80071	1808	196	MD162839	0595	171	MM115514	0352	166
M3T42881	0450	169	M9T80472	1808	196	MD162840	0595	171	MM115517	0352	166
M3T43381	0450	169	M9T80473	1808	196	MD162842	0595	171	901286806	0450	169
M3T43481	0450	169	M9T82071	1808	196	MD162843	0595	171	M08T87881	0806	177
M3T43581	0450	169	M9T82479	1808	196	MD163188	0595	171	M1T70685A	0595	171
M3T48181	0450	169	M9T83671	1808	196	MD164866	0450	169	M1T70881A	1702	192
M3T49381	0450	169	MC108027	0636	172	MD164975	1047	183	M1T70981A	0596	171
M3T49581	0450	169	MD001333	0352	166	MD164975	12812	206	M1T71281A	0596	171
M3T49585	0450	169	MD001550	0144	163	MD164976	1047	183	M1T71281B	0596	171
M3T49781	0450	169	MD001552	0144	163	MD164976	12812	206	M1T71481A	0596	171
M3T56471	0957	181	MD001553	0144	163	MD170049	0595	171	M1T72086A	0595	171
M3T56471	12658	206	MD001555	0352	166	MD172860	0595	171	M1T72181A	0596	171
M3T56471	12659	206	MD003550	0144	163	MD172861	0595	171	M1T72182A	0596	171
M3T57371	0957	181	MD003551	0144	163	MD172863	0595	171	M1T72281A	0679	174
M3T57371	12658	206	MD011550	0144	163	MD172864	0595	171	M1T723281	0595	171
M3T57371	12659	206	MD011550	0184	163	MD174482	0595	171	M1T74181A	1702	192
M3T57575	12658	206	MD011553	0144	163	MD174483	0595	171	M2T20181A	0352	166
M3T57575	12659	206	MD016729	0450	169	MD180238	0450	169	M2T20181D	0853	178
M3T66071	0957	181	MD016851	0450	169	MD180239	0450	169	M3MT30583	0450	169
M3T66071	12658	206	MD016863	0450	169	MD180937	0595	171	M3T016851	0450	169
M3T66071	12659	206	MD019891	0352	166	MD182488	0595	171	M3T016863	0450	169
M3T66072	0957	181	MD019895	0352	166	MD188720	0595	171	M3T066761	0450	169
M3T66072	12658	206	MD021665	0144	163	MD188721	0595	171	M3T110172	0352	166
M3T66072	12659	206	MD021666	0144	163	MD189054	0450	169	M3T11173Q	0144	163
M3T66073	0957	181	MD021670	0144	163	MD192222	0450	169	M3T14482J	0450	169
M3T66073	12658	206	MD021672	0144	163	MD192228	0450	169	M3T162838	0450	169
M3T66073	12659	206	MD021674	0352	166	MD315548	1024	183	M3T164866	0450	169
M3T66074	0957	181	MD021676	0144	163	MD318086	0596	171	M3T189054	0450	169
M3T66074	12658	206	MD021679	0144	163	ME007517	0957	181	M3T20681A	0352	166
M3T66074	12659	206	MD021686	0144	163	ME007517	12658	206	M3T21281D	0450	169
M3T70081	0450	169	MD027400	0352	166	ME007517	12659	206	M3T21381D	0450	169
M3V38881	0450	169	MD027401	0352	166	ME008815	0957	181	M3T21781D	0450	169
M3V38882	0450	169	MD034120	0352	166	ME008815	12658	206	M3T21882D	0450	169
M3Y24482	0450	169	MD034121	0352	166	ME008815	12659	206	M3T24482A	0352	166
M4714674	0144	163	MD066761	0450	169	ME017034	0957	181	M3T24482H	0450	169
M4T14372	0144	163	MD069166	1047	183	ME017034	12658	206	M3T24482K	0450	169
M4T14572	0144	163	MD069166	12812	206	ME017034	12659	206	M3T24486A	0352	166
M4T14672	0144	163	MD070934	1047	183	ME017035	0957	181	M3T24486H	0450	169
M4T14673	0144	163	MD070934	12812	206	ME017035	12658	206	M3T25252H	0450	169
M4T14674	0144	163	MD081567	0450	169	ME017035	12659	206	M3T25282H	0450	169
M4T14771	0144	163	MD081568	0450	169	ME017056	0957	181	M3T25285A	0450	169
M4T14872	0144	163	MD084414	1047	183	ME017056	12658	206	M3T25885A	0450	169
M4T41672	0144	163	MD084414	12812	206	ME017056	12659	206	M3T27686D	0450	169
M8T62471	1921	199	MD085730	0352	166	ME017061	0957	181	M3T29482D	0450	169
M8T70071	1563	190	MD099667	0595	171	ME017061	12658	206	M3T302589	0450	169
M8T71371	1904	198	MD100431	0450	169	ME017061	12659	206	M3T32782D	0450	169

Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Nippon	Nº ZEN	Pg.
M3T335081	0352	166	M002T64372	0957	181	N31818400B	1702	192	0280008432	1957	200
M3T335820	0352	166	M002T64373	0957	181	N32718400A	1702	192	0280008740	1957	200
M3T33582A	0352	166	M002T66371	0957	181	N3A1184400	1702	192	0280009031	1957	200
M3T33586A	0352	166	M002T66872	0957	181	M008T75071A	2000	202	0280009032	1957	200
M3T388682	0450	169	M002T66873	0957	181	M008T80471A	2000	202	1280000120	1957	200
M3T38881A	0450	169	M002T67871	0957	181	M008T80472A	2000	202	1280000130	1957	200
M3T38881B	0450	169	M002T67872	0957	181	M000T20771ZC	1876	198	1280000180	1957	200
M3T38881C	0450	169	M002T67873	0957	181	M000T20777ZC	1876	198	1280000181	1957	200
M3T38882A	0450	169	M002T67881	0957	181	M000T20871ZE	1774	194	1280000280	1957	200
M3T38882B	0450	169	M002T67882	0957	181	M000T32071ZC	1771	194	1280000300	1957	200
M3T38882C	0450	169	M002T67883	0957	181	M000T32175ZC	1761	194	1280000940	1957	200
M8T75073A	1563	190	M002T78271	0957	181	M000T33571ZC	1933	200	1280000950	1957	200
MD 100431	0450	169	M002T87071	1024	183	M000T33871ZC	0806	177	1280001900	1957	200
MD0019891	0352	166	M002T87371	1567	190	M000T33871ZT	0806	177	1280002131	1957	200
ME224424A	2000	202	M002T87671	1063	184	M000T37671ZT	1764	194	1280002140	1957	200
MT87781ZC	1764	194	M002T87771	1063	184	M000T82081ZE	0806	177	1280002190	1957	200
N31818400	1702	192	M002T87971	1567	190	M000T88481ZC	1764	194	1280004570	1957	200
N32718400	1702	192	M002T88071	1567	190	M000T88482ZC	1764	194	1280005080	1957	200
N3A118400	1702	192	M002T88271	1567	190	M001T74281ZC	0825	178	1280005630	1957	200
56041012AB	0597	171	M002T88572	2022	203	M001T74287ZC	0825	178	1280005691	1957	200
M000T20171	1945	200	M003T56471	0957	181	M001T84381ZC	0597	171	1280006990	1957	200
M000T20175	1945	200	M003T57371	0957	181	M001T93371ZC	2025	203	1280007390	1555	189
M000T20471	1706	193	M003T66071	0957	181	M002T87171ZT	1024	183	1280007471	1957	200
M000T20472	1706	193	M003T66072	0957	181	M002T87771ZA	1063	184	1280008400	1555	189
M000T20672	1706	193	M003T66073	0957	181	M002T88572ZC	2022	203	1280009700	1863	197
M000T20771	1876	198	M003T66074	0957	181	M002T88771ZA	1063	184	1280009701	1863	197
M000T24072	1761	194	M005T22371	1924	199	M2T88572ZCKD	2022	203	1280009710	1555	189
M000T30672	1706	193	M005T27671	1924	199	M002T88572ZCKD	2022	203	1280009720	1555	189
M000T30771	1706	193	M005T27672	1924	199	<b>Motorcraft</b>	<b>Nº ZEN</b>	<b>Pg.</b>	2280000211	1957	200
M000T32071	1771	194	M008T62671	1921	199	SA934	1871	197	2280000220	1864	197
M000T32271	1933	200	M008T75071	2000	202	SA999RM	1871	197	2280000810	1863	197
M000T32572	1706	193	M008T75073	1563	190	SA1057RM	1871	197	2280000820	1555	189
M000T34171	1876	198	M008T75971	2000	202	6S4Z11002AA	1585	190	2280000822	1555	189
M000T35171	1706	193	M008T80471	2000	202	<b>MWM</b>	<b>Nº ZEN</b>	<b>Pg.</b>	2280000823	1555	189
M000T36071	1706	193	M008T80472	2000	202	905720100093	13584	208	2280000830	1555	189
M000T36571	0806	177	M00E193880	2000	202	<b>Nastra</b>	<b>Nº ZEN</b>	<b>Pg.</b>	2280000831	1555	189
M000T37671	1764	194	M0T21271ZC	1538	189	S17847	1548	189	2280000832	1555	189
M000T39671	1876	198	M0T33671ZT	1909	199	<b>New Holland</b>	<b>Nº ZEN</b>	<b>Pg.</b>	2280000990	0818	177
M000T60181	0712	174	M0T37671ZT	1764	194	SBA185086050	0684	174	2280000991	0818	177
M000T85681	0595	171	M0T85681ZC	0595	171	SBA185086051	0684	174	2280001060	0818	177
M000T87881	1756	194	M0T87781ZC	1764	194	SBA185086052	0684	174	2280001530	0818	177
M000T92581	0595	171	M0T90685ZC	1764	194	SBA185086141	0684	174	2280001531	0818	177
M000TD0971	1909	199	M0T91981ZC	1538	189	SBA185086350	0684	174	2280001910	1555	189
M001T79482	0825	178	M0T92081ZC	1538	189	<b>Nikko</b>	<b>Nº ZEN</b>	<b>Pg.</b>	2280002050	1863	197
M001T81782	1922	199	M1T86781ZC	1538	189	230000031	0895	179	2280002051	1863	197
M001T93071	2025	203	M1T86782ZC	1538	189	230000032	0895	179	2280002260	1863	197
M001T93371	2025	203	M1T86883ZC	1538	189	230000042	0895	179	2280002261	1863	197
M002T54372	0957	181	M1T86884ZC	1538	189	230000060	0895	179	2280002500	1555	189
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M002T54572	0957	181	M2T88572ZC	2022	203	230000240	0895	179	2280003990	1863	197
M002T56071	0957	181	M3T4010081	0450	169	230000332	0895	179	2280003991	1863	197
M002T57871	0957	181	M8T76071ZE	1906	199	230000450	0895	179	2280003992	1863	197
M002T57881	0957	181	MB30118X45	1054	183	<b>Nippon</b>	<b>Nº ZEN</b>	<b>Pg.</b>	2280004570	0818	177
M002T60072	0957	181	MD 318086	0596	171	0280006261	1957	200	2280005490	1555	189
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2280006172	1555	189	280002150	0184	163	280004031	0184	163	280004810	0327	166
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2280006281	1555	189	280002250	0140	163	280004090	0184	163	280005060	0946	181
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2280005023	1097	185	2330001Y10	0596	171	2330020P10	0595	171	2330057M75	0595	171
2280005040	10049	206	233000379R	1981	202	2330020P11	0595	171	2330057M90	0595	171
2280006421	10049	206	2330005H11	0450	169	2330020R11	0596	171	233005RB0A	1762	194
2280007200	10049	206	2330005P01	0791	176	2330020R91	0596	171	2330060S10	0450	169
2280007390	0818	177	2330006J02	0901	180	2330021000	0141	163	2330065Y10	0595	171
2280007391	0818	177	2330006J04	0901	180	2330021005	0141	163	2330069690	0351	166
2280007392	0818	177	2330006W61	0737	175	2330021006	0141	163	2330069960	0351	166
2280009652	0809	177	2330006W61	0790	176	2330021007	0141	163	233006K200	1862	197
2810022040	1813	196	233000799R	1755	194	2330021008	0141	163	233006T000	1862	197
2810067050	1097	185	2330008700	0141	163	2330021009	0141	163	233006T001	1862	197
4280000320	0809	177	2330008U10	0595	171	2330021017	0141	163	2330070J00	0863	179
4280000321	0809	177	2330009500	0141	163	2330021P00	0737	175	2330070J10	1062	184
4280000340	1841	197	2330009600	0141	163	2330022P00	0737	175	2330070J11	1062	184
4280000341	1841	197	2330009601	0349	166	2330022P70	0595	171	2330070J12	1062	184
4280000670	1813	196	2330009602	0141	163	2330022P71	0595	171	2330070Y00	0517	170
4280000680	1813	196	233000W010	0712	174	2330026900	0141	163	2330070Y01	0517	170
4280000720	1857	197	233000W011	0712	174	2330026901	0141	163	2330070Y01	1532	189
4280001311	1841	197	2330010600	0141	163	2330030F10	0596	171	233007224R	1981	202
4280001590	0809	177	2330010601	0141	163	2330030F11	0596	171	2330073C10	0519	170
4280001640	1902	198	2330010605	0141	163	2330030R12	0679	174	2330074Y00	0517	170
4280001760	1813	196	2330010615	0141	163	2330030R13	0679	174	2330077A11	0595	171
4280003180	1884	198	2330010G02	0790	176	233003131R	1981	202	2330078505	0141	163
4280003370	1813	196	2330010G02	9527	206	2330031U02	1017	182	2330078511	0144	163
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4280003372	1813	196	2330010T02	1862	197	2330036A00	0793	176	2330079601	0684	174
4280003410	1734	193	2330010T02	1947	200	2330036A00	1207	187	233007F400	1862	197
4280004550	1813	196	233001105R	1735	193	2330038W00	0790	176	2330080G00	1862	197
4280004920	1884	198	2330011M00	0790	176	2330041B70	0450	169	2330080G01	1862	197
4280005011	1734	193	2330011M02	0790	176	2330041B76	0595	171	2330080G10	0712	174
4280005290	1734	193	2330011MOO	0790	176	2330042L11	0450	169	2330080W00	0499	170
4280005800	1759	194	2330011N00	0790	176	2330042L13	0450	169	233008131R	1981	202

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23300D0220	0499	170
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23300D0301	0791	176
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D9E48	0287	165
D9E49	0287	165
D9E52	0287	165
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D9E55	0287	165
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D9E69	0287	165
D9E70	0287	165
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D9E78	0287	165
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D9R89	0961	181	031013170	2032	203	35260940	13584	208	1107235	1216	205
D9R99	0961	181	031013190	2032	203	35260950	13584	208	1107237	0020	161
D10E85	0570	171	031013220	2032	203	35261020	12675	208	1107242	0020	161
D10E92	0570	171	031114140	2030	203	35261070	13584	208	1107248	0020	161
D11E79	0217	164	031114240	2030	203	35261120	13584	208	1107253	1216	205
D8E121	0248	165	031114241	2030	203	35261155	13584	208	1107258	0032	205
D8E130	0285	165	<b>Porsche</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35261175	12675	208	1107259	0020	161
D8E131	0285	165	S1350	0790	176	35261190	13584	208	1107260	0020	161
D8E142	0248	165	S1369	0790	176	35261355	13584	208	1107261	0032	205
D8E152	0248	165	S1347A	0790	176	35261360	13584	208	1107266	0020	161
D9E100	0287	165	2330000	0790	176	35261420	13584	208	1107270	0013	161
D9E101	0287	165	23300W2804	0790	176	35261425	13584	208	1107272	0013	161
D9E109	0287	165	E90V11002A	1192	186	35261760	13584	208	1107273	0020	161
D9E110	0287	165	E9SF11002A	1192	186	35261860	0916	180	1107274	0020	161
D9E113	0287	165	21013708000	0213	164	35261990	1784	195	1107279	0013	161
D9E114	0287	165	CT2213708000	0213	164	35262170	1784	195	1107286	0020	161
D9E123	0287	165	E90SZ11000AA	1192	186	35262550	1784	195	1107289	0020	161
D9E124	0287	165	<b>Prestolite</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35262580	13584	208	1107293	0020	161
D9E125	0287	165	20513016	2009	202	35263380	1977	201	1107294	0020	161
D9E127	0287	165	35258490	12682	208	35262170AM	1784	195	1107298	0020	161
D9E129	0287	165	35258540	12682	208	35262760AM	1888	198	1107299	0020	161
D9E771	0287	165	35258580	12682	208	<b>Remy</b>	<b>Nº ZEN</b>	<b>Pg.</b>	1107301	0020	161
D9E773	0287	165	35258620	13584	208	2058	0783	176	1107302	0020	161
D9R112	0961	181	35258660	12682	208	16160	1923	199	1107303	0020	161
D9R118	0961	181	35258690	12682	208	323489	0774	176	1107306	0020	161
D9R121	0936	180	35258710	12682	208	900890	12720	208	1107307	0020	161
D9R122	0961	181	35258820	12682	208	CM9805	0774	176	1107313	0020	161
D9R135	0961	181	35258880	12682	208	1107037	1216	205	1107314	0020	161
D10E922	0570	171	35258940	12682	208	1107056	1216	205	1107315	0020	161
D11E105	0217	164	35258950	12682	208	1107074	1216	205	1107316	0020	161
D11E109	0217	164	35258960	12682	208	1107084	1216	205	1107317	0020	161
D11E110	0217	164	35259040	12682	208	1107087	1216	205	1107320	0020	161
D11E115	0217	164	35259170	12682	208	1107088	1216	205	1107321	0020	161
D11E142	0217	164	35259300	13584	208	1107089	1216	205	1107322	0032	205
D11E143	0217	164	35259310	12675	208	1107092	1216	205	1107330	0020	161
D11E156	0216	164	35259330	13584	208	1107095	1216	205	1107331	0020	161
D11E159	0215	164	35259380	12692	208	1107115	1216	205	1107336	0020	161
D11E165	0215	164	35259390	13584	208	1107116	1216	205	1107340	0020	161
D11E172	0571	171	35259430	13584	208	1107125	1216	205	1107342	0020	161
D11E191	0461	169	35259580	13584	208	1107126	1216	205	1107345	0020	161
D8RA114	0189	163	35259590	13584	208	1107134	1216	205	1107346	0020	161
<b>Pegaso</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259600	13584	208	1107139	1216	205	1107347	0020	161
6100S	0087	205	35259620	13584	208	1107141	1216	205	1107349	0020	161
<b>Perkins</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259630	13584	208	1107149	1216	205	1107352	0020	161
P30DC03A	2009	202	35259650	13584	208	1107158	1216	205	1107353	0020	161
U5MK8260	2009	202	35259660	13584	208	1107163	0020	161	1107354	0013	161
185086600	2009	202	35259670	13584	208	1107173	1216	205	1107355	0020	161
U85086770	2009	202	35259680	12692	208	1107196	1216	205	1107360	0020	161
<b>Peugeot</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259690	13584	208	1107198	1216	205	1107361	0020	161
5802AQ	1650	191	35259710	12675	208	1107208	0013	161	1107363	0020	161
9675660680	1982	202	35259720	12675	208	1107213	0032	205	1107365	0020	161
9688477380	2001	202	35259750	13584	208	1107217	1216	205	1107367	0020	161
<b>Pininfarina</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259760	13584	208	1107219	0020	161	1107368	0020	161
93951787218	1899	198	35259880	13584	208	1107223	0013	161	1107369	0020	161
93951808557	1899	198	35259900	13584	208	1107233	0020	161	1107370	0020	161

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1107371	0020	161	1108062	0032	205	1358859	0783	176	9000819	0756	175
1107372	0020	161	1108063	0032	205	3471141	0243	164	9000820	0756	175
1107373	0020	161	1108064	0032	205	3471143	0243	164	9000821	0756	175
1107374	0020	161	1108065	0032	205	3471144	0243	164	9000822	0756	175
1107389	0013	161	1108066	0032	205	8000006	10003	204	9000834	0756	175
1107397	0013	161	1108068	1216	205	8000006	12720	208	9000835	0756	175
1107398	0013	161	1108071	0032	205	8000048	10003	204	9000836	0958	181
1107605	1216	205	1108077	1216	205	8000071	1482	188	9000841	0958	181
1107641	0013	161	1108078	1216	205	8000090	10003	204	9000846	0770	176
1107650	0050	161	1108081	0032	205	8000090	12720	208	9000846	12720	208
1107651	0050	161	1108106	1216	205	8000158	10003	204	9000850	0756	175
1107652	0013	161	1108112	1216	205	8000158	12720	208	9000851	0756	175
1107653	0013	161	1108113	0032	205	8000159	10003	204	9000853	0756	175
1107654	1216	205	1108126	1216	205	8000159	12720	208	9000854	0958	181
1107655	0013	161	1108131	1216	205	8000169	1800	195	9000857	0958	181
1107657	0013	161	1108149	1216	205	8000174	1847	197	9000858	0958	181
1107658	1216	205	1108150	1216	205	8000180	10003	204	9000860	0756	175
1107659	1216	205	1108152	0032	205	8000188	10003	204	9000869	1614	191
1107661	0013	161	1108163	0032	205	8000188	12720	208	9000871	0958	181
1107665	0013	161	1108166	0032	205	8000203	1614	191	9000872	0958	181
1107666	0050	161	1108168	0032	205	8000287	10003	204	9000873	0958	181
1107668	0013	161	1108169	0032	205	8000300	1800	195	9000879	0958	181
1107695	1216	205	1108170	0032	205	8000321	0756	175	9000880	0958	181
1107728	1216	205	1108171	0032	205	8000340	1800	195	9000882	0958	181
1107741	0032	205	1108182	0032	205	8000357	1770	194	9000884	0958	181
1107745	1216	205	1108186	1216	205	8000395	1847	197	9000885	0958	181
1107746	1216	205	1108235	0032	205	8000444	1745	194	9000890	10003	204
1107747	1216	205	1108258	0032	205	8000465	1923	199	9000891	10003	204
1107748	0050	161	1109384	1216	205	8000534	1794	195	9000893	10003	204
1107749	0050	161	1109388	0032	205	8000660	1745	194	9000902	10003	204
1107755	1216	205	1109395	0032	205	8000837	1794	195	9000932	10003	204
1107762	1216	205	1109450	1216	205	8000890	12720	208	9000934	10003	204
1107787	1216	205	1109457	1216	205	8000891	12720	208	9000944	10003	204
1107788	0032	205	1109458	1216	205	8000893	12720	208	9000948	12720	208
1107830	1216	205	1109462	0032	205	8000944	12720	208	9000952	10003	204
1107881	0032	205	1109468	1216	205	8000959	1614	191	9000965	0756	175
1107889	0020	161	1109479	0032	205	8000961	1847	197	9000967	10003	204
1107927	1216	205	1109654	1216	205	8000978	12720	208	9000978	10003	204
1107928	0032	205	1109671	1216	205	8000981	12720	208	9000981	10003	204
1107943	1216	205	1113269	1194	186	8200287	13119	207	DRS3798	1958	201
1107954	1216	205	1113270	1194	186	8200329	13119	207	DRS3985	1756	194
1107977	1216	205	1113274	0649	173	8200434	13119	207	10452345	10003	204
1108008	1216	205	1113275	0649	173	8200519	13119	207	10455069	0783	176
1108014	0032	205	1113278	0649	173	9000751	0752	175	10455081	0783	176
1108015	1216	205	1113281	0649	173	9000756	0752	175	10455503	1048	183
1108021	1216	205	1113282	0649	173	9000758	0752	175	10455505	0854	179
1108029	1216	205	1113284	0649	173	9000786	0756	175	10455711	1680	192
1108032	0032	205	1113285	0649	173	9000794	0770	176	10465151	1194	186
1108037	1216	205	1113288	0649	173	9000794	12720	208	10465167	0756	175
1108047	0032	205	1113289	0649	173	9000796	0756	175	10465293	0756	175
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1108052	0032	205	1113292	1194	186	9000804	0756	175	10465309	0756	175
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02T911021E	1893	198
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02T911023Q	1534	189
02Z911023K	2005	202
02Z911023M	2005	202
02Z911023N	2005	202
02Z911023P	2005	202
02Z911024K	2005	202
5U0911023	1712	193
5U0911335	1712	193
068911024L	1930	200
06L911021A	1975	201
06L911021B	1975	201
06L911021X	1975	201
7B0911023	1970	201
0AM911022C	1803	196
0AM991024X	1978	201
02E911023SX	1978	201
02M911022FX	1803	196
02M911023MX	1891	198
02M911024PX	2006	202
2R0911023A	13584	208
02Z911023KX	2005	202
02Z911023MX	2005	202
02Z911023NX	2005	202
02Z911023PX	2005	202
02Z911024KX	2005	202
5X0911023A	2016	203
068911024LX	1930	200
06L911021AX	1975	201
06L911021BX	1975	201
7B0911023C	1877	198
7X0911023B	1712	193
TJG911023B	13584	208
2H0911023AX	1768	194
7B0911023CXRNM	1877	198
Volvo	Nº ZEN	Pg.
420760	1827	196
1328391	9702	206
1328396	9702	206
1676822	1827	196

Volvo	Nº ZEN	Pg.
5003003	9702	206
8192262	1827	196
132839-6	9702	206
50030030	9702	206
5003003-0	9702	206
WAI	Nº ZEN	Pg.
21289HI	9702	206
22332MT	1548	189
Wapsa	Nº ZEN	Pg.
MPB1	0024	161
MPB2	0024	161
MPB3	0056	162
MPB4	0056	162
MPB9	0085	162
MPF6	0001	161
MPF7	0001	161
MPF8	0024	161
MPN2	0024	161
MPT2	0025	161
MALF2	0001	161
MALF3	0001	161
MALP2	0024	161
MALT1	0025	161
MALW2	0001	161
MALW3	0001	161
MPB11	0024	161
MPB17	0024	161
MPB18	0024	161
MPB19	0025	161
MPB23	0024	161
MPB30	0085	162
MPB31	0024	161
MPB33	0024	161
MPB35	0126	162
MPB42	0085	162
MPB49	0024	161
MPB50	0024	161
MPB59	0024	161
MPB60	0024	161
MPB63	0024	161
MPB68	0085	162
MPB70	0024	161
MPC69	0024	161
MPMF3	0024	161
MPT2N	0025	161
MWB14	0104	162
MWB17	0348	166
MWB18	0328	166
MWB19	0329	166
MWB21	0328	166
MWB23	0293	165
MWB25	0293	165
MWV12	0192	163
MALMF2	0024	161
MALTF1	0024	161

Wapsa	Nº ZEN	Pg.
MALTF2	0024	161
MALW12	0001	161
MALW14	0001	161
MALW3N	0056	162
MWV12F	0192	163
MALMWM3	0025	161
MALMWM4	0025	161
MPJ1074	0024	161
Whatcom	Nº ZEN	Pg.
22958	1548	189
Wilson	Nº ZEN	Pg.
91251101	9702	206
Woodauto	Nº ZEN	Pg.
STR72029	9702	206
Worldwide	Nº ZEN	Pg.
16942	9702	206
17754	1548	189

T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia 001
0108	9	25.8	64	10	12	46.7	2.5	Horário	
0111	11	29.5	64	10	12	46.5	2.5	Horário	
0292	9	25.8	64	10	11	46.5	2.5	Horário	
0325	9	25.8	62	10	12	46.5	3	Horário	
0361	9	29.64	64	10	12	46.5	2.5	Horário	
0417	9	34.8	64	10	12	54.5	2.5	Horário	
0442	9	25.8	64	10	12	46.7	3	Anti-horário	
0857	9	25.8	64	10	12	46.5		Horário	
0874	8	28.2	64.5	10	12	46.5	2.5	Horário	

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia 002
0068	9	25.8	64	10	12	46.5	2.5	Horário	
0323	9	25.8	62	10	11	46.5	3	Anti-horário	

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia 003
0221	9	25.8	64	10	12	46.5	2.5	Horário	
0222	10	26.82	64	10	12	46.5	2.5	Horário	

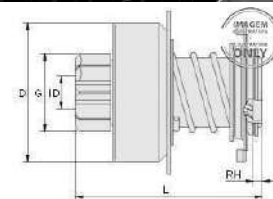
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia 004
0135	9	25.8	77	12	12	46.5	7	Horário	
0905	10	27.94	77	12	12	46.5	7	Horário	

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia 005
0162	9	29.64	64.5	9	12.06	46.6		Horário	
0238	9	25.8	64	9	12.06	46.5		Horário	
0445	9	25.8	61.5	9	12.06	46.5		Horário	

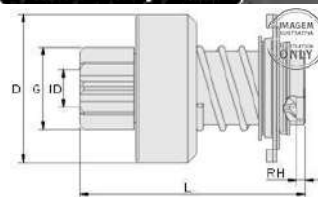
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia 006
0053	9	25.8	71.8	12	12	46.5	7	Horário	
0455	10	27.94	71.8	12	12	46.5	7	Horário	
0681	9	29.64	70	12	12	46.5	7	Horário	

T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

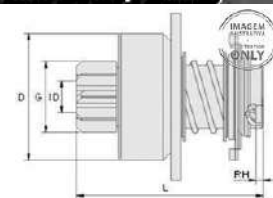
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	007
0065	9	25.816	62	10	11.08	46.3	3	Anti-horário		
0077	9	29.64	64	10	12	46.5	2.5	Horário		
0082	10	26.82	66	10	12	46.5	2.5	Horário		
0139	9	25.8	64	10	12	46.5	2.5	Horário		
0220	10	26.82	64	10	12	46.5		Horário		
0229	9	25.8	74	10	11	46.5	3	Anti-horário		
0307	9	25.8	64	10	12	46.5	2.5	Horário		
0345	9	25.8	64	10	12	46.7	3	Anti-horário		
0676	9	25.8	74	10	12	46.5	2.5	Horário		



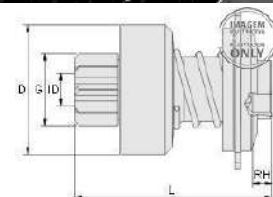
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	008
0653	9	25.8	64	10	12	46.5	2.5	Horário		
0672	9	25.8	60	10	12	46.5		Horário		
0673	11	34.4	64	10	12	46.5	2.5	Horário		
0675	10	33	64	10	12	46.5	2.5	Horário		



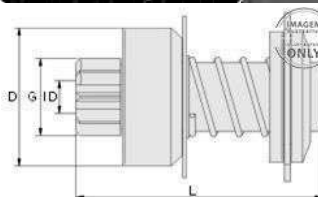
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	009
0115	9	25.8	66	10	12	46.5	2.5	Horário		
0300	9	29.64	64.5	10	12	46.5	2.5	Horário		
0674	9	25.8	66	10	12	46.5	2.5	Horário		



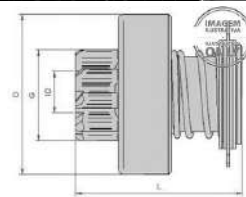
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	010
0213	11	29.5	68	6	14	46.5		Horário		
0389	11	29.5	70.8	6	11.5	46.5	7	Horário		
0397	9	29.64	70.8	6	11.5	46.5	7	Horário		
0408	9	25.8	69	6	11.5	46.5	5	Horário		
0443	9	25.8	62.5	6	12	46.5	3	Horário		
0671	8	28.2	71	6	11.5	46.5	7	Horário		
0714	9	29.64	70.8	6	12	46.5	7	Horário		
0731	9	25.8	68.5	6	12	46.5	5	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	011
0540	11	29.5	66.5	6	14	46.5		Anti-horário		
0605	9	25.8	77	6	11	46.5		Anti-horário		

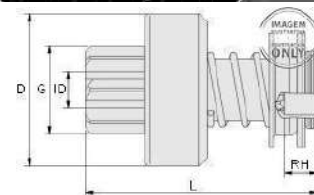


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	013
1104	9	34.8	62	10	12	60	11	Horário		
1117	9	25.8	62	10	12	54.3	11	Horário		

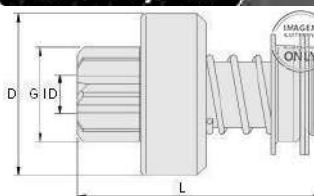


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

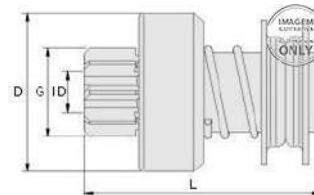
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	014
0118	10	40	91	10	14.26	60	13	Horário		
0302	10	40	91	10	14.26	60	25	Horário		
0310	9	34.8	75	10	14.3	60	6	Horário		
0313	12	46.3	75	10	14.3	60	6	Horário		
0319	9	25.8	73	10	12	54.5	6	Horário		
0392	11	41	91	10	14.3	60	13	Horário		
0661	10	39	91	10	14.3	60	13	Horário		



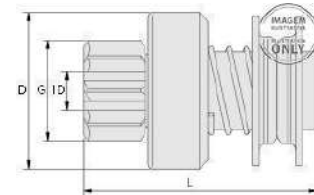
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	015
0228	9	25.8	71	10	12	54.5		Horário		
0291	9	34.8	74	10	14.26	60		Horário		
0320	9	29.64	74	10	14.3	54.5		Horário		
0365	9	36.5	74	10	14.3	60		Horário		
0366	9	34.8	74	10	14.3	60		Horário		
0367	9	34.8	91	10	14.3	60		Horário		
0419	10	39	91	10	14.3	60		Horário		
0447	11	41	73.5	10	14.2	60		Horário		
0460	10	27.2	74	10	14.26	54.5		Horário		
0528	12	46.3	74	10	14.3	60		Horário		
0677	10	40	74	10	14.3	54.5		Horário		
1004	9	34.8	91	10	14.26	60		Anti-horário		
1005	9	34.8	74	10	14.26	60		Anti-horário		
1616	10	39.5	77	10	14.3	60		Horário		



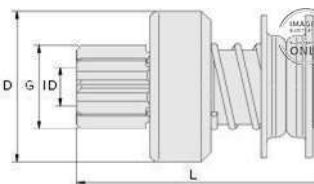
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	016
0216	9	36.5	76	12	14	54.5		Horário		
0245	9	25.8	59.5	9	12	46.5		Anti-horário		
0530	10	27.94	76	12	12	54.5		Horário		



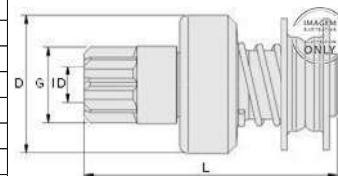
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	017
0104	9	25.8	72	6	12	46.5		Horário		
0126	9	25.8	72	6	12	46.5		Horário		
0158	9	25.8	70	9	12	46.5		Horário		
0192	9	25.8	64	3	11	46.5		Anti-horário		
0215	9	29.64	76	12	14	54.5		Horário		
0217	9	29.64	76	6	14	54.5		Horário		
0293	9	25.8	64	6	12	46.5		Horário		
0294	9	25.8	64	6	11	46.5		Anti-horário		
0433	9	25.8	69	3	12	43.5		Horário		
0458	9	29.64	55.5	6	12	41.5		Anti-horário		
0462	9	29.64	68	9	12	54.5		Horário		
0463	9	29.64	69	9	12	46.5		Horário		
0783	9	25.8	72	3	12	43.5		Horário		
1189	9	25.8	68.5	3	12	45.8		Horário		

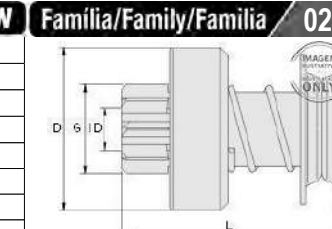


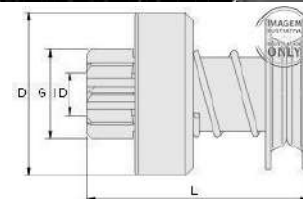
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	018
0189	9	25.8	68	9	12	46.5		Horário		
0244	9	25.8	61.5	9	12	46.5		Horário		

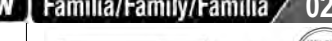


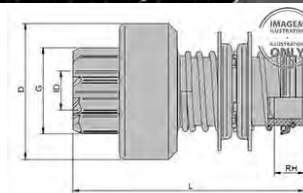
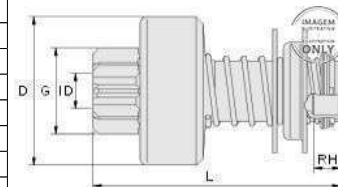
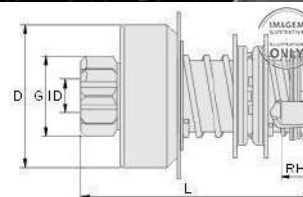
T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De Los Dientes Del Pinón	Piñon-Dimension	Largo	# De Estrías	Pinón-Dimensión Interna	Dimensión Externa	Altura Del Rebajo	Horario/Antihorario

[illegible]

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Família/Family/Familia	020
0001	9	29.64	73.5	6	14.3	54.5			Horário	
0005	9	29.64	73.5	6	14.3	46.5			Horário	
0010	9	25.8	75	6	12	46.2			Horário	
0013	9	25.8	75.5	3	12	46.2			Horário	
0020	9	25.8	80.5	3	12	46.2			Horário	
0024	10	40	79.5	6	14.29	60			Horário	
0025	9	34.8	76.5	6	14.3	60			Horário	
0045	9	25.8	80.5	6	12	46.2			Horário	
0056	9	29.64	73.5	6	12	46.5			Horário	
0085	9	34.8	79	6	14.26	60			Horário	
0205	9	25.8	62	12	12	46.5			Horário	
0454	10	32	80	3	14.26	60	5.5		Horário	
0522	10	27.94	80.5	3	12	46.2			Horário	
0767	10	32.18	105.5	6	14.3	60			Horário	
1184	9	25.8	80.5	3	12	46.2			Horário	
1351	10	32.18	106	3	14.3	59.9			Horário	
1784	10	37.8	89	6	15.01	60			Horário	

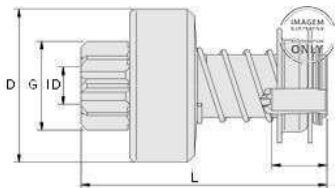


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	021
0015	9	29.64	77.5	3	14.26	46.6	10	Horário		
0028	9	34.8	90	3	14.29	54.5	10	Horário		
0044	9	25.8	78	3	12	46.6	10	Horário		
0046	9	25.8	90	3	12	45.5	10	Horário		
0060	10	40	91.5	3	14.26	60	10	Horário		
0227	11	41	90	3	14.26	54.5	10	Horário		
0318	9	34.8	90	10	14.26	54.5	18	Horário		
0709	9	34.8	90	3	14.26	54.5	10	Horário		
0831	9	25.8	79	12	12.51	54.5	10	Anti-horário		

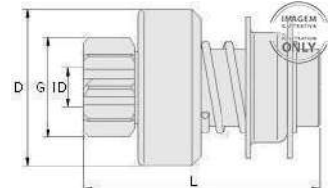
[illegible][illegible]

T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

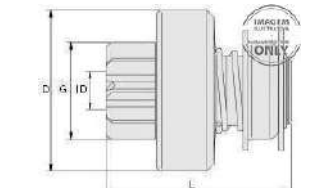
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	025
0440	9	34.8	95	10	15.05	60	7	Horário		



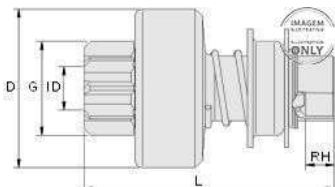
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	026
0141	9	29.64	62	10	13	46.5		Horário		
0160	9	29.64	74	3	12.06	46.5		Horário		
0161	9	25.8	74	3	12	46.5		Horário		
0183	9	25.8	60	9	12	46.5		Horário		
0744	8	27	64	2	12	40		Anti-horário		
0768	9	25.8	62.5	2	11.5	40		Anti-horário		
0769	9	25.8	65.5	6	11.5	40		Anti-horário		
1056	9	25.8	65	12	11.51	45.5		Horário		
1588	9	25.8	65	12	11.5	45.5		Anti-horário		



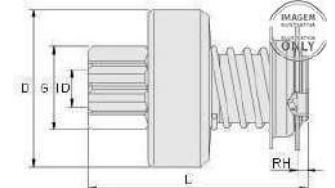
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	027
0376	9	33	69	12	14	60		Horário		
0684	9	34.8	69	12	14	60		Horário		
0785	15	44.5	69	12	14	60		Horário		
0901	11	40.5	77	12	16	60		Horário		
1073	9	34.8	83	10	14.3	60		Horário		



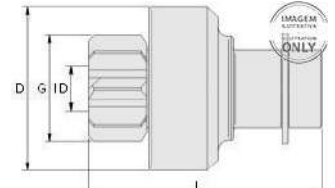
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	028
0953	9	35.5	88	3	16.1	60	10	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	029
0645	10	32	85	12	13.01	60	4	Horário		
0649	10	40	85	12	14	60	4	Horário		
0663	9	36	78	12	14.01	60		Horário		
0895	9	36	71	12	13	60	4	Horário		
1194	10	32	85	12	14	60	4	Horário		
1198	9	29.64	85	12	13	60	4	Horário		
1574	11	41	85	12	14.26	60	4	Horário		



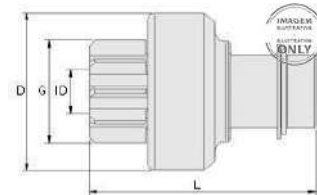
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	030
0144	9	29.64	60.5	8	12.8	45.5		Horário		
0352	8	28.2	60.5	8	12.8	45.9		Horário		
0426	11	34.8	60.5	8	12.8	45.9		Horário		
1872	11	34.8	46.9	8	12.06	48.7		Horário		
1997	10	27.94	44	6	12	45.5		Horário		



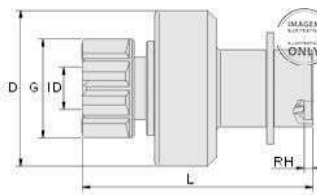


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

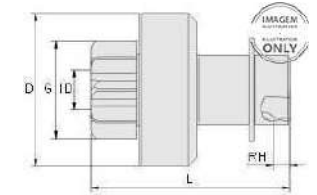
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	032
0340	9	29.64	60.5	8	12.8	45.5		Horário		



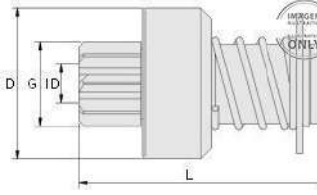
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	033
1518	9	25.8	62.5	12	12	60	3.5	Horário		



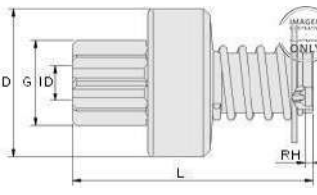
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	034
0756	11	30	61.5	6	12	46.2	2.5	Horário		
0770	9	25.8	45	6	12	43.5	1.5	Horário		
0774	9	25.8	61.5	6	12	46.2	2.5	Horário		
0809	9	29.6	53.5	5	11	43.5	2	Horário		
0841	9	29.6	53.5	5	11	41.5	2	Horário		
0843	8	23.92	44	5	11	46	1	Horário		
0854	8	24.7	64	6	12	43.5	1.5	Anti-horário		
0958	11	30	47	6	12	46.5	1.5	Horário		
0965	9	25.82	41	5	11	46	2.3	Horário		
1064	8	23.92	41	5	10.99	46.5	1	Horário		
1152	9	25.4	43	5	11	46.5	1	Horário		
1482	9	29.6	47	6	12	46.5	1.5	Horário		
1605	8	28.2	45.5	6	12.06	43.5	1.5	Anti-horário		
1620	8	28.2	64	6	12.06	43.5	1.5	Anti-horário		
1704	8	28	55.8	4	12	46.7		Horário		
1734	9	29.6	64.2	5	11	43.7	2	Horário		
1801	8	23.46	43.8	12	10.69	45.3		Horário		
1959	10	32.6	46.9	6	12	46.5		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	035
0054	9	25.8	77	3	12	46.6		Horário		
0459	10	27.5	80	3	14	60		Horário		
0492	10	32	95	3	15	60		Horário		
0720	9	29.64	80	3	14	60		Horário		
0771	10	27.5	67.5	3	14	60		Horário		
0868	10	27.5	80	3	14	60		Horário		
1507	9	34.8	71.5	10	14.26	60.4		Horário		
1615	10	39.5	68	10	12.06	60		Horário		

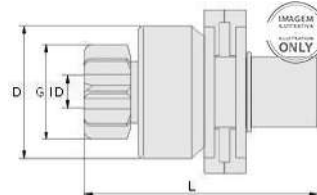


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	036
0438	9	34.8	91	10	15.05	60	3	Horário		

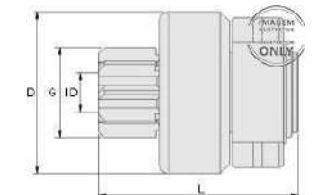


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

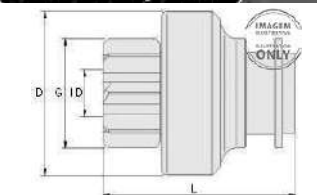
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	037
0050	10	33.02	75	6	12	46.6		Horário		
0495	10	33	75.5	6	12	46.5		Horário		
0609	9	29.64	74.5	6	12	46.5		Horário		



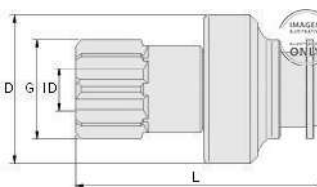
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	038
0786	9	25.8	64	6	11.5	46.5	4.5	Horário		
0878	11	29.5	52.5	10	12	46.5		Horário		
0969	9	29	52.5	10	12	46.5		Horário		
1206	9	25.8	64	6	11.5	46.5	4.5	Horário		
1227	9	25.8	64	6	11.5	46.5	4.5	Horário		



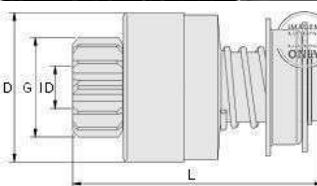
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	039
0398	13	46	70	12	17	60		Horário		
0411	11	39.5	73	12	17	60		Horário		
0449	9	36.5	73	12	14.3	60		Horário		
0615	11	39.5	73	3	17	60		Anti-horário		
1516	10	32.1	90.5	12	14.26	60		Horário		



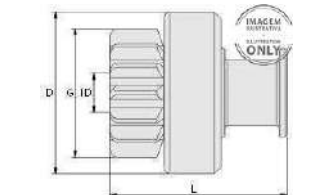
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	040
0486	10	40	100	12	17.03	60		Horário		
0506	10	40	100	3	17	60		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	043
0723	12	46.3	85.5	12	14	60	4.5	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	046
1090	10	32.1	80	10	14	60		Horário		
1635	9	37.18	60.9	10	12.06	60		Horário		
1684	10	32.6	80	10	14.01	60.5		Horário		
1924	11	34.4	65.8	10	14.26	54.6		Horário		



T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Piñón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

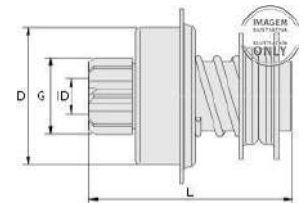
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	047
0184	9	29.64	64	10	12.51	46.6	7		Horário	
0248	9	25.8	59.5	12	12	46.5			Horário	
0285	9	25.8	60	9	12	46.5			Anti-horário	
0450	8	28.2	55.5	8	12	46.5			Horário	
0499	8	28	60	10	12.51	46.5	2.5		Horário	
0519	8	28.2	70.5	8	12	46.5			Anti-horário	
0545	8	28.2	64	10	12.6	46.6	7		Horário	
0554	9	29.5	65	10	12.51	46.5	2.5		Horário	
0571	10	27.94	61.5	9	12	46.5			Horário	
0576	8	28.2	60	10	12.5	46.5	2.5		Horário	
0636	8	28.2	56	8	12	46.5			Anti-horário	
0686	8	28.2	82	10	12.5	46.5	2.5		Anti-horário	
0779	9	25.8	64	6	11.5	46.5	3.5		Horário	
0808	8	28.2	53.5	5	11	43.5	2		Horário	
0830	8	28.2	53.5	5	11	41.5	2		Horário	
0832	9	29.64	77	10	12.5	46.5	2.5		Horário	
0836	9	25.8	55	8	12	46.5			Horário	
0853	8	28.2	70.5	8	12	46.5			Horário	
0975	23	54.4	51	10	12	48.7			Horário	
0999	8	23.6	64	6	11.5	46.5	3.5		Horário	
1054	8	28	56	8	12	46.5			Anti-horário	
1113	9	29	50	10	12	48.7			Horário	
1169	11	29.5	51	10	12.06	48.18			Horário	
1484	9	25.8	60	6	11.5	46.5	3		Horário	
1496	9	25.8	84.5	12	12.06	46.5			Anti-horário	
1504	9	25.8	52	12	12.1	46.5			Horário	
1509	8	28.2	52	12	12.1	43.5			Horário	
1561	9	25.4	47.5	10	12	46.5			Horário	
1715	9	25.8	52	12	12.06	43.5			Horário	
1718	11	35.4	50.5	10	12.06	48.9			Horário	
1727	10	31.8	56	8	12.06	46.5			Horário	
1752	9	25.82	45.5	10	12	48.9			Horário	
1756	10	28.15	45.5	10	12	48.9			Horário	
1758	11	29.38	45	8	12	48.9			Horário	
1765	9	29.64	45.8	10	12	48.9			Horário	
1776	9	28	45.13	8	12	48.9			Horário	
1777	10	27.94	55.8	8	12	45.5			Horário	
1778	8	28.2	55.8	8	12	45.5			Horário	
1794	11	34.8	48.3	6	12	46.1			Horário	
1797	8	28.2	60	12	12.06	43.5			Anti-horário	
1800	8	28.2	48.5	6	12	46.5	1.5		Horário	
1812	11	29.38	45	10	12	48.9			Horário	
1838	10	32.18	45.4	8	12.06	48.7			Horário	
1839	8	28.2	51.5	10	12	46.5			Horário	
1857	9	35.5	50.8	10	12.06	46.5			Horário	
1873	8	28.2	60.1	10	12	44.7			Anti-horário	
1884	11	39	50.5	10	12	49			Horário	
1886	10	27.5	50.6	6	12.06	48.7			Horário	
1925	8	27.2	44.5	5	11	46.1	2.3		Horário	
1970	10	27.94	53.5	5	11	43.5	2		Horário	
1976	9	25.9	44	8	12	46.5			Horário	
2023	8	27.2	44.3	5	11	46.3	1.5		Horário	
2024	10	31.8	55.1	10	12	48.8	0.5		Horário	
2026	8	28	63	6	11.51	46.5	3		Horário	
2028	9	27.5	44	8	12	46.5			Horário	
2035	13	34.5	43	8	12	48.8	2		Horário	

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	048
0119	9	29.64	66.5	10	12.51	46.5	7	Anti-horário		
0120	9	25.8	70.8	6	11.5	46.5	7	Horário		
0131	9	25.8	66.5	10	11	46.5	7	Anti-horário		

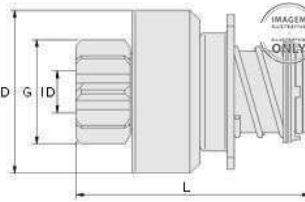


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

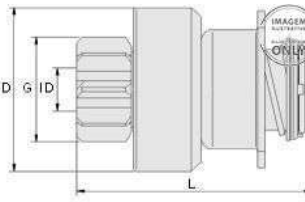
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	069
0329	9	25.8	64	6	12	46.5		Horário		
0348	9	25.8	65	6	12	46.5		Horário		
0349	9	29.64	62	10	12.5	46.5		Horário		



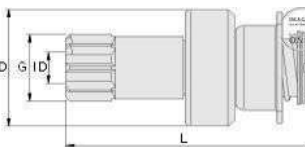
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	070
0351	9	29.64	62	10	12.5	46.5		Horário		
0644	11	34.8	62	10	12.5	46.5		Horário		
0691	15	44.5	62	10	12.5	54.5		Horário		



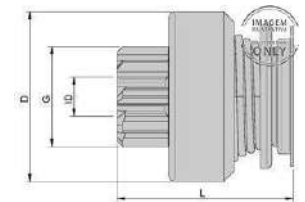
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	071
0382	8	28	62	10	12.5	46.5		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	073
0429	9	30	76.5	10	12.5	46.5		Horário		
0537	9	25.8	76	10	12	46.5		Horário		

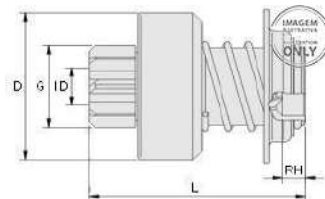


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	074
1545	8	27.2	48	10	11	47.4		Horário		
1576	10	27.92	48	16	11	47.4		Horário		
1597	10	26.82	47.95	16	11	47.4		Horário		
1619	9	25.8	48	16	11	46.5		Horário		
1740	12	31.8	47.95	10	11	48.7		Horário		
1757	11	30	48	10	11	47.4		Horário		
1899	10	32	48	10	11	46.5		Horário		
1927	9	29.64	48.2	16	11	45.8		Horário		
1938	13	34.55	58.4	16	11	47.4		Horário		
1939	13	34.55	51.4	16	11	47.4		Horário		
1981	12	32.28	51.4	16	11	45.3		Horário		
1982	12	32.28	51.4	16	11	47.4		Horário		
1984	13	34.55	58.4	16	11	47.4		Horário		
2033	11	33.5	58	16	11	47.4		Horário		

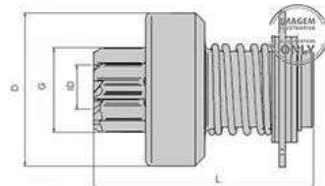


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

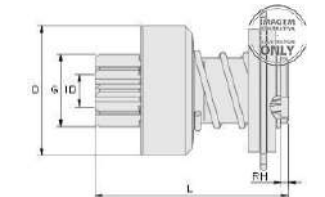
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	075
1666	9	25.8	48.9	11	10	46.6		Horário		
1674	8	23.5	48.9	11	10	46.6		Horário		
1720	9	29.64	47.9	10	11	45.8		Horário		



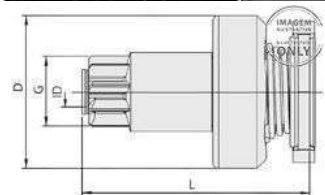
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	077
0297	9	25.8	66.5	12	12	46.5	2	Horário		



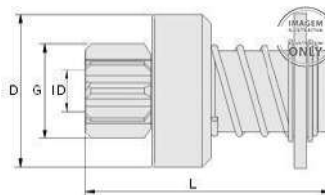
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	078
0394	11	29.5	65.5	10	11.5	46.5	2.5	Horário		
0395	9	25.8	65.5	10	12	46.5	2.5	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	079
0932	9	25.8	80.5	16	11	54.5		Anti-horário		
0937	10	27.94	80.5	16	11	54.5		Anti-horário		
0972	9	25.7	90	16	11	54.5		Anti-horário		
1223	9	25.8	82.3	16	11	46.5		Horário		
1485	10	27.94	70	16	12	50.5		Horário		
1655	10	27.94	105.5	16	12	54.5		Anti-horário		
1814	10	27.94	80.5	16	11	50.5		Anti-horário		
1823	10	27.94	90.8	16	11	50.5		Anti-horário		
1856	11	27.5	90.8	16	11	50.5		Anti-horário		
1920	10	27.94	103	16	12	50.5		Anti-horário		
2016	10	27.94	82.3	16	11	46.5		Anti-horário		



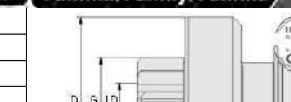
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	080
0451	9	25.8	62	6	11.5	41.5	7	Horário		
0453	8	27	60.5	6	12	41.5		Anti-horário		



T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De Los Dientes Del Pinón	Piñon-Dimension	Largo	# De Estrías	Pinón-Dimensión Interna	Dimensión Externa	Altura Del Rebajo	Horario/Antihorario

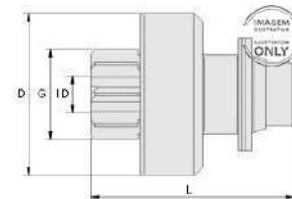
[illegible][illegible][illegible]

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	084
0641	9	25.9	58.5	10	11	46.5		Horário		
0745	9	25.8	53.5	10	12	46.5		Horário		
0797	9	25.8	55.5	10	12	46.5		Horário		
0837	9	25.8	58.5	10	12	46.5		Horário		
0846	11	29.5	58.5	10	12	46.5		Horário		
0855	11	29.5	55.5	10	12	46.5		Horário		
0919	9	25.8	58.5	10	12	46.5		Horário		
0942	9	25.8	62	10	12	46.5		Horário		
0989	9	25.8	59.5	10	12	46.5		Anti-horário		
1486	9	29.64	59	10	12	46.5		Horário		

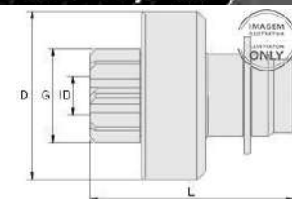
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	085
0646	10	27.94	61.5	9	12	54.5			Horário	
0656	12	31.8	61.5	9	12	54.5			Horário	
0657	9	37.1	61.5	9	12	54.5			Horário	
0747	10	27.94	51.5	9	12	46.5			Horário	
0775	9	25.8	51.5	9	12	46.5			Horário	
0908	8	28.2	48	9	12.1	46.5			Horário	
0916	9	36.5	61	10	12	60			Horário	
0917	9	29.64	48	9	12.1	46.5			Horário	
0918	8	27.6	48	9	12.1	46.5			Horário	
0936	11	29.5	61.5	9	12	46.5			Horário	
0945	9	25.8	48	9	12.1	46.5			Horário	
0961	11	29.5	61.5	9	12	54.5			Horário	
0983	10	27.5	61	10	12	60			Horário	
1023	11	29.38	54.5	9	12	54.5			Horário	
1074	10	27.94	54.5	9	12	54.5			Horário	
1162	10	32	61	9	12	54.5			Horário	
1458	11	30.04	54.5	10	12	54.5			Horário	
1607	10	32.18	54.5	9	12	54.5			Horário	
1705	10	27.5	69.3	9	12	54.6			Horário	
1926	11	29.2	91	9	12.06	54.5			Anti-horário	

T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

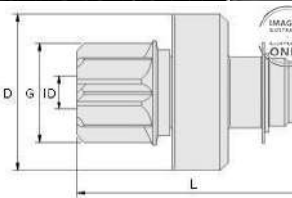
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	086
0287	9	25.8	55	9	12	46.5		Horário		
0570	11	29.5	59	9	12	46.5		Horário		
0787	9	25.82	51.5	10	12	46.5		Horário		
1209	10	27.94	51.5	10	12	46.5		Horário		
1822	11	29.3	51	10	12	46.5		Horário		



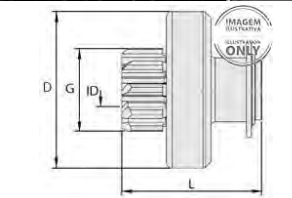
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	087
0935	11	29.5	55	9	12	46.5		Horário		
1187	9	25.8	55	9	12	46.5		Horário		
1963	9	25.8	60.5	9	12	46.5		Anti-horário		



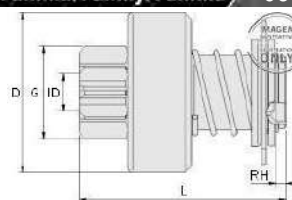
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	088
0647	11	34.4	76.5	9	12	54.5		Horário		



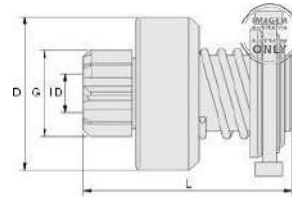
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	089
1533	9	24.5	41.15	10	11	46	2.2	Horário		
1686	9	24.5	41.15	4	10.12	46.3	2.2	Horário		
1735	8	23.92	41.2	4	10.12	46.8	2.2	Horário		
1755	9	25.82	41.15	4	10.1	46.3	3	Horário		
1763	9	25.82	41.15	5	11.02	46.3	3	Horário		
1791	10	28.15	44.2	4	10.12	46.4	3	Horário		
1825	8	27.6	41.15	4	10.12	46.3	3	Horário		
1848	9	25.8	55.1	10	12	46.5		Horário		
1915	12	32.5	45	10	12	47.8		Horário		
2001	9	25.82	41.2	4	10.12	46.3	2.17	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	091
0407	9	34.8	77.5	6	14.3	60	4	Horário		
0601	9	34.8	77.5	6	14.3	60		Horário		
2009	9	29.64	52	14	12	53.5		Horário		



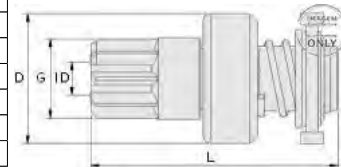
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	092
0406	9	25.8	64	10	11	46.5		Anti-horário		
0420	9	25.8	64	10	12	46.5		Horário		
0633	10	26.8	64	10	12	46.5		Horário		



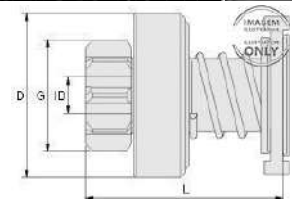


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrias # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

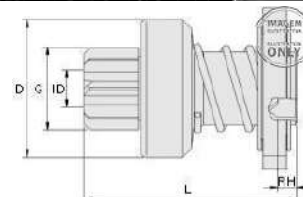
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	093
0428	9	25.8	85	10	12	46.5		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	094
0852	8	27.2	52	10	11	46.5		Horário		
0861	9	36.8	62	10	12	54.5		Horário		
0925	9	25.8	49.5	10	12	46.5		Horário		
0938	10	26.82	48.5	10	12	46.5		Horário		
0976	9	25.8	47	10	12	46.5		Horário		
0997	9	29.64	49	10	12	46.5		Horário		
0998	9	29.64	47	10	12	46.5		Horário		
1022	9	35.5	57.5	16	12	54.5		Horário		
1030	11	29.5	49	10	12	54.5		Horário		
1031	10	27.94	49	10	12	50.5		Horário		
1033	9	29.64	49	10	12	54.5		Horário		
1037	10	27.94	49	10	12	46.5		Horário		
1057	10	27.94	49	10	12	54.5		Horário		
1058	11	29.5	49	10	12	50.5		Horário		
1071	10	27.5	58.5	10	12	52.7		Horário		
1107	10	38.8	49	10	12	54.5		Horário		
1109	10	27.94	55	10	12	52.7		Horário		
1155	9	34.8	49	10	12	50.3		Horário		
1156	21	49.7	47.1	10	12	54.5		Horário		
1168	9	36.3	49	10	12	54.5		Horário		
1170	10	38.8	56	10	12	52.7		Horário		
1172	11	28.8	54	10	12	52.7		Horário		
1174	9	35.2	58.5	10	12	54.5		Horário		
1469	10	27.94	49	10	12	46.5		Horário		
1474	9	25.8	58.5	10	12	46.5		Horário		
1547	11	35.4	47	10	12	47.4		Horário		
1550	9	35.5	62	10	12	54.5		Horário		
1562	9	34.8	58.5	10	12	52.7		Horário		
1629	10	27.5	57.5	16	12	52.5		Horário		
1631	10	33	60	10	12	53.5		Horário		
1642	12	38.8	56	10	12.06	53.5		Horário		
1643	9	29.64	58	16	12	54.5		Horário		
1650	9	36.3	55	10	12	52.7		Horário		
1675	10	32.95	58.5	10	12.03	52.8		Horário		
1690	10	40	59.4	10	12	52.9		Horário		
1691	10	32	69.5	10	12	52.5		Horário		
1708	8	26.8	49	10	12	46.4		Horário		
1790	9	36.3	49.5	10	12.1	50.5		Horário		
1855	10	39	49.2	10	12	50.8		Horário		
1882	9	25.8	49	10	12	53.5		Horário		
1908	10	29.64	52	10	12	46.5		Horário		
1932	11	29.6	51.8	10	12	46.5		Horário		
2045	9	34.8	49	10	12.06	46.5		Horário		

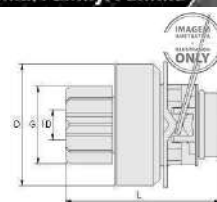


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	095
0610	9	25.8	68	3	12	43.5	6	Horário		
0752	9	25.8	63	6	12	43.5	5.5	Horário		

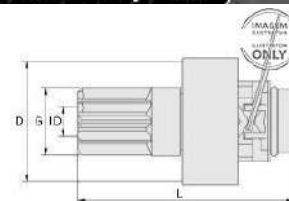


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

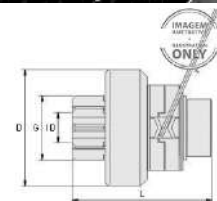
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	096
0467	9	25.8	54.5	9	12.06	46.5		Horário		
0468	9	25.8	51.5	9	12.06	46.5		Horário		
0469	10	26.82	63.5	9	12	46.5		Horário		
0502	11	29.5	60	12	12.06	46.5		Horário		
0740	11	29.5	58.5	9	12	46.5		Horário		
0741	9	25.8	58	9	12	46.5		Horário		
0742	9	25.8	64	9	12	46.5		Horário		
0743	11	29.5	54.5	9	12.06	46.5		Horário		
0753	9	25.8	67.5	9	12.06	46.5		Anti-horário		



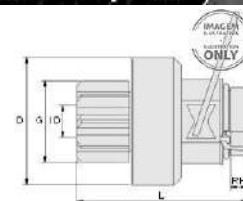
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	097
0762	10	27.94	86.5	9	12.06	46.5		Anti-horário		



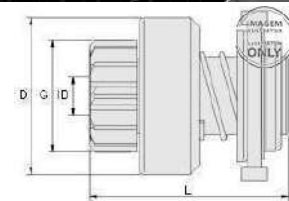
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	098
0574	9	25.8	53	9	12	46.5		Horário		
0820	10	26.82	50.5	9	12.1	46.5		Horário		
0821	10	26.82	44	9	12.1	46.5		Horário		
0822	10	26.82	56.5	9	12.1	46.5		Anti-horário		
0823	10	26.82	48	9	12.1	46.5		Horário		
1068	9	25.8	53	9	12.06	46.5		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	099
0863	8	28.2	48	9	12.1	46.5	3	Horário		
0960	10	26.82	60.5	9	12.1	46.5	3	Anti-horário		
1062	8	28	65.5	9	12.06	46.5		Horário		

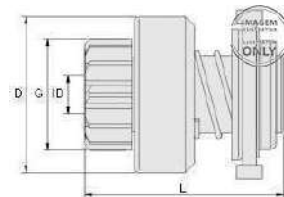


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	100
0474	9	25.8	64	10	12	46.5	3	Horário		
0475	9	29.64	59	10	12	46.5		Horário		
0482	9	25.8	58.5	10	12	46.3		Horário		
0520	10	26.82	58.5	10	12	46.5		Horário		
0532	9	25.9	58.5	10	11	46.5		Horário		
0572	10	27.5	65	10	12	54.5		Horário		
0573	9	29.64	62	10	12	54.5		Horário		
0575	10	27.94	58.5	10	12	46.5		Horário		
0630	10	27.94	58.5	10	12	46.5		Horário		
0631	9	25.8	62	10	12	54.5		Horário		
0632	10	27.5	62	10	12	54.5		Horário		
0706	11	29.5	62	10	12	54.5		Horário		
0794	10	33	58.5	10	12	46.5		Anti-horário		
0798	9	25.8	58.5	10	12	46.5		Anti-horário		
0800	11	29.5	59	10	12	54.5		Horário		
0871	8	28.2	59	10	12	46.5		Horário		
0875	9	35.5	62	10	12	54.5		Horário		
0962	10	26.82	59	10	12	54.5		Horário		
1067	9	25.8	59	10	12	54.5		Horário		
1070	9	35.2	62	10	12	54.5		Horário		
1072	9	29.64	62	10	12	54.5		Horário		

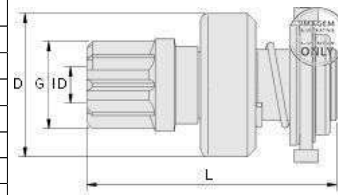


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

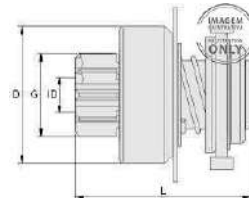
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	100
1153	9	25.8	46	10	12	46.5		Horário		
1171	10	26.82	62	10	12	54.5		Horário		
1470	10	33.02	58.5	10	12	46.5		Horário		
1471	9	25.8	53.5	10	12	46.5		Horário		
1487	13	39.5	59	10	12	54.5		Horário		



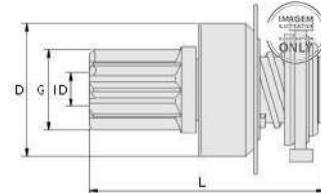
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	101
0933	10	27.94	90	16	9	46.5		Anti-horário		
1011	8	27.2	69.5	10	12	46.5		Anti-horário		
1177	9	25.8	90	16	11	47.4		Horário		
1222	10	27.94	90	16	11	46.5		Anti-horário		
1468	9	25.8	90	16	11	47.4		Anti-horário		



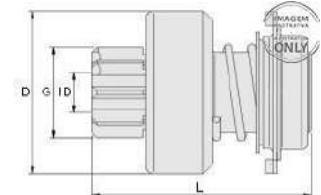
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	102
0579	9	25.8	58.5	10	12	46.5		Anti-horário		
0619	9	25.8	58.5	10	11	46.5		Anti-horário		
0799	9	25.8	55.5	10	12	46.5		Anti-horário		
0805	11	29.5	58.5	10	12	46.5		Anti-horário		
0866	9	25.8	59.5	10	12	46.5		Horário		
2042	9	25.8	61.9	10	12	46.5		Anti-horário		



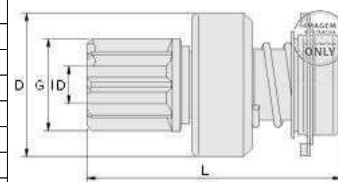
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	103
0639	10	27.94	79.5	10	12	54.5		Anti-horário		
0729	10	27.94	76.5	10	12	46.5		Anti-horário		
0851	10	27.94	86	10	12	54.5		Anti-horário		
0900	10	27.94	79.5	10	12	46.5		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	104
0702	9	25.8	58.5	10	11	46.5		Anti-horário		
0703	9	25.8	68	10	11	46.5		Anti-horário		

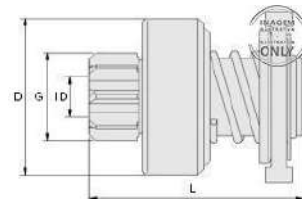


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	105
0701	9	29.6	75	10	12	46.5		Anti-horário		

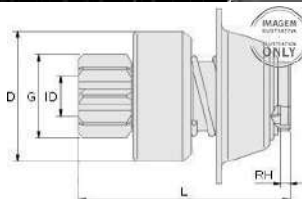


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinion Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

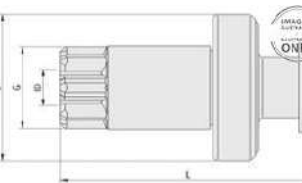
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	106
0803	9	25.8	58.5	10	12	46.5		Horário		
1467	8	27.2	66.5	10	12	47.4		Anti-horário		



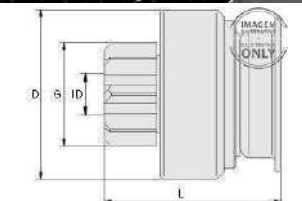
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	107
0533	9	29.64	70	6	14	46.5	3	Horário		
0713	9	29.64	70	3	14	46.5		Horário		



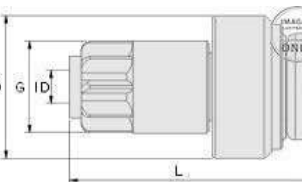
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	109
1534	9	25.8	75.2	10	10	46		Anti-horário		
1768	12	37.8	87.15	4	10	48.9		Horário		
1824	13	34.65	87.3	4	10	48.9		Anti-horário		
1893	11	29.35	81	4	12	49.8		Anti-horário		
1910	11	29.2	81.2	4	12	48.9		Anti-horário		
1930	9	29.3	82	8	12	48.9		Horário		
2005	12	29.2	81.7	4	12	48.9		Anti-horário		
2006	12	29.2	87.7	4	12	48.9		Anti-horário		




Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	110
0595	8	28.2	50	8	12	46.5		Horário		
0617	9	30	51	8	12	46.5		Horário		
0679	8	28.2	58.5	8	12	46.5		Horário		
0711	8	28.2	75.8	8	12	46.5		Horário		
0801	10	33	51	8	12	46.5		Horário		
0825	10	27.94	50.5	8	12	46.5		Horário		
1538	10	33	64	8	12	46.5		Horário		
1681	12	32.28	51.9	8	12	46.3		Horário		
1695	8	28.2	50.7	8	12.06	45.2		Horário		
1706	8	28.2	43	8	12	46.5		Horário		
1761	10	27.94	51	8	12	46.5		Horário		
1764	11	34.5	50.7	8	12	45.3		Horário		
1770	11	34.8	40.1	8	12	46.5		Horário		
1771	8	28.2	51	8	12	46.5		Horário		
1799	10	32	45	8	12	46.6		Horário		
1876	11	34.5	42.5	8	12	46.5		Horário		
1903	9	30.8	51	8	13.01	46.5		Horário		
1909	10	27.5	42.5	8	12	46.5		Horário		
1916	10	31.7	36.6	8	12	46.5		Horário		
1933	11	29.3	50.7	8	12	45.3		Horário		
1945	9	29.6	51	8	12	46.5		Anti-horário		

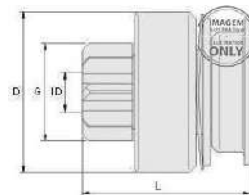
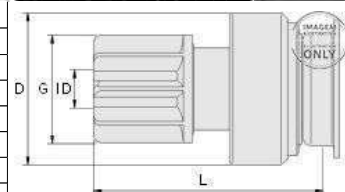


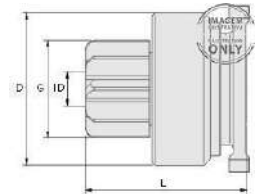
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	111
0712	9	29.64	77	8	10.7	46.5		Horário		
1680	10	27.94	75	8	10.69	46.5		Horário		

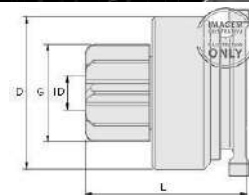
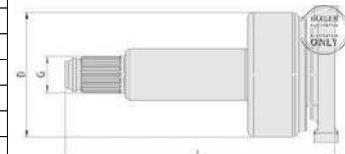


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De Los Dientes Del Pinón	Piñon-Dimension	Largo	# De Estrías	Pinón-Dimensión Interna	Dimensión Externa	Altura Del Rebajo	Horario/Antihorario

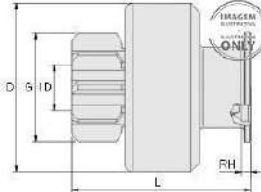
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	112
0596	10	31.7	50.9	8	12	46.5		Horário		
0597	10	27.94	51.4	8	12	46.6		Horário		
0600	8	28.2	65	8	12	46.5		Anti-horário		
0806	12	31.8	51	8	12	46.5		Horário		
1024	10	33	51.5	8	13.01	46.5		Horário		
1063	9	35.5	51	8	13.01	46.5		Horário		
1567	12	37.26	51	8	13.01	46.5		Horário		
1716	10	39.67	51.5	8	12	46.5		Horário		
1717	10	27.5	51.5	8	12	46.5		Horário		
1774	13	34	51.7	8	12	46.5		Horário		
2022	12	31.8	52	8	13.01	46.5		Horário		
2025	13	34	65	12	12	46.5		Horário		

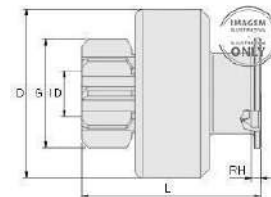
[illegible]

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	115
0890	23	54.4	46.5	12	12	45.3	1.85	Horário		
1192	10	27.94	47	12	12	46.5	2	Horário		
1193	9	30	47	12	12	46.5	2	Horário		
1199	12	31.8	47	12	12	46.5	2	Horário		
1208	10	26.82	47	12	12	46.5		Horário		
1217	9	37.18	59.5	12	12	48.7		Horário		
1224	10	27.9	46.6	12	12	45.3	1.85	Horário		
1225	9	30	46.5	12	12	45.3	1.85	Horário		
1226	12	31.8	46.5	12	12	45.3	1.85	Horário		
1228	10	26.82	46.5	12	12	45.3	1.85	Horário		
1539	12	37.6	46.5	12	12	45.3	1.85	Anti-horário		
1552	9	25.8	47	12	12	46.5	2	Horário		
1553	11	30	47	12	12	46.5	2	Horário		
1570	9	25.8	44.5	12	12	46.5	2	Horário		
1575	10	33.02	44.5	12	12	46.5	2	Horário		
1585	11	34.4	46.6	6	12.06	45.3	1.85	Horário		
1612	11	34.4	44.5	12	12	46.5	2	Horário		
1646	12	37.8	47	12	12	46.5	2	Horário		
1714	11	36	46.7	12	12	45.4	1.85	Horário		
1820	10	26.82	57.8	12	12	45.3	1.8	Horário		
1871	11	34.4	46.9	6	12.06	45.5		Horário		

[illegible]

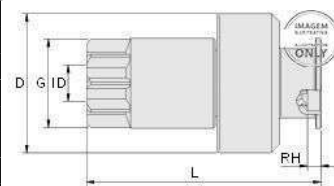
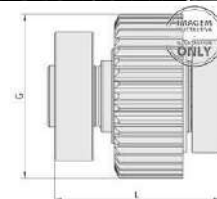
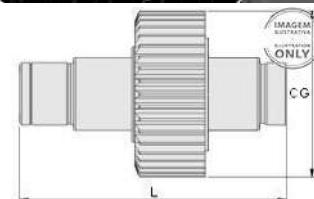
T	G	L	SPL	ID	D	RH	CW/CW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De Los Dientes Del Pinón	Piñon-Dimension	Largo	# De Estrías	Pinón-Dimensión Interna	Dimensión Externa	Altura Del Rebajo	Horario/Anthorario

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	117
0915	9	25.8	55	9	12.06	46.5	4	Horário		
0978	10	40	61	10	12	60		Horário		
0990	10	26.82	55	9	12.1	46.5	4	Horário		
1020	8	28	38.5	10	12.51	46.5	2.5	Horário		
1021	8	28	48.5	10	12.5	46.5	2.5	Horário		
1134	10	27.94	55	9	12.1	46.5	4	Horário		
1532	8	28	61.5	10	12.51	46.5	2.5	Anti-horário		
1556	11	34.8	38.5	10	12.51	46.5	2.5	Horário		
1557	13	33.3	38.5	10	12.51	46.5	2.5	Horário		
1617	11	34.4	55.5	9	12.06	46.6	4	Horário		
1745	9	25.8	40.5	8	12	46.5		Horário		
1762	10	27.94	44	10	12.5	46.5	2.5	Horário		
1775	8	28.2	43.6	8	12	46.5		Horário		
1779	10	27.94	38.6	10	12.51	46.5		Horário		
1781	10	27.94	48.2	8	12	46.5		Horário		
1787	9	29.6	43.3	8	12	46.5		Horário		
1788	11	35	43.3	8	12	46.5		Horário		
1847	8	28.2	40	8	12	46.5		Horário		
1911	13	34.5	39.8	8	10.03	46.3		Horário		
1912	10	27.94	36.3	8	10.03	43.6		Horário		
1913	11	30.05	36.3	8	10.03	43.6		Horário		
1923	10	27.94	40	8	12	46.5		Horário		
1949	10	27.94	42	8	12	46.5		Horário		
1950	8	28	42.2	8	12	46.5		Horário		
1977	9	29.64	56.5	9	12	46.5	4	Horário		
1989	10	27.94	48.8	8	12	46.5		Horário		



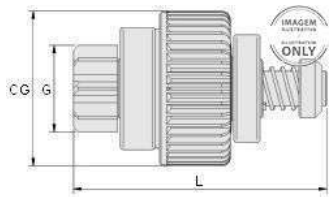
N° ZEN	T	G	L	SPL	ID	D	RH	CW/CW
0687	9	29.64	78	5	12.5	46.5	4.5	Horário
0828	9	29.64	66	5	12.5	46.5		Horário
1016	8	28	75	10	12.5	46.5	2.5	Anti-horário
1017	10	32.18	75	10	12.5	46.5	2.5	Anti-horário

IMAGEM SOFISTICADA  
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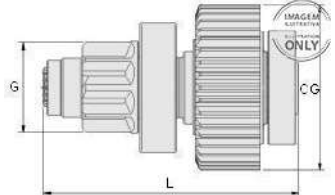
[illegible][illegible]

T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

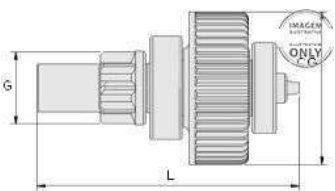
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	122
0737	9	29.6	87					Horário		
0790	9	36	87					Horário		
0791	8	28	87					Horário		
0793	8	28	94					Anti-horário		
0844	9	25.9	87					Horário		
0892	9	25.9	78.5					Anti-horário		
1207			50					Anti-horário		
1608	9	36	92					Horário		
1676	12	37.26	92.7					Horário		
1780	10	39.15	95.3					Horário		



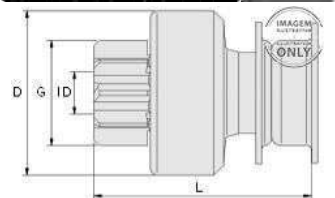
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	124
0750	11	29.3	83					Horário		
0817	10	28.2	83					Horário		
0818	9	29.6	83					Horário		
0921	11	40	102					Horário		
0946	9	33	102					Horário		
0947	9	29.64	102					Horário		
0954	10	37.8	83					Horário		
1097	10	37.8	102					Horário		
1215			64					Horário		
1555	13	40.8	110.5					Anti-horário		
1722	18	12.7	102					Horário		
1723	18	12.7	102					Anti-horário		
1863	9	29.64	83					Horário		
1864	9	29.64	110.5					Horário		
1905	11	34.8	133.5					Anti-horário		
1957	11	29.3	102					Horário		
1958	11	34.4	83					Anti-horário		
2030	10	32.8	104					Horário		
2031	9	35.5	83					Horário		
2032	9	29.64	93.5					Horário		



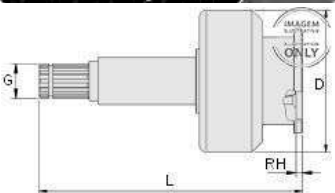
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	125
0815	9	29.3	99					Horário		
1548	9	29.3	95.7					Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	127
1088	11	29.5	60.2	12	12	46.5		Anti-horário		

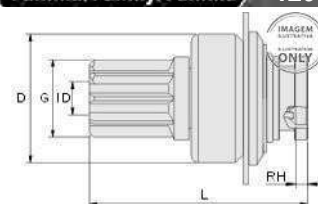


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	128
1563	20	14.7	91	5		54.5	1.5	Horário		
1808	26	19.02	140.2	6		71.9	2.5	Horário		
1921	20	14.7	110	5		60.5	2.5	Horário		
1995	22	17.8	108	5		64.6		Horário		
1996	18	18.6	128.9	5		72.2		Horário		
2000	20	14.7	91	5		54.6	1.5	Horário		

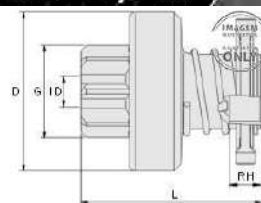


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

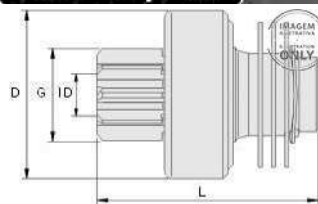
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	129
0860	10	27.94	73	9	12.1	46.5	4	Anti-horário		
1133	9	25.8	55	9	12.1	46.5	4	Horário		



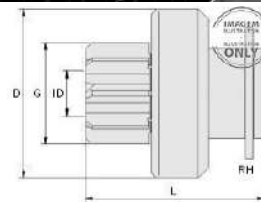
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	130
1630	9	29	64	10	12	54.5	11	Horário		



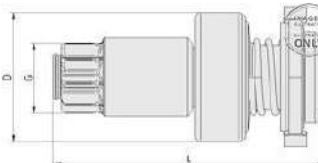
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	131
0926	9	25.8	56.5	12	12	46.5	0.5	Horário		



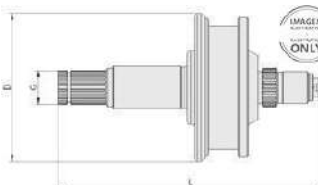
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	132
10003	9	25.82	47	6	12	46.5		Horário		
1048	8	28.2	45.5	6	12	43.5		Horário		
1614	10	27.5	47	6	12	46.5		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	133
1069	10	27.94	81	16	11	46.5		Anti-horário		
1108	9	25.8	80.5	16	11	46.5		Anti-horário		



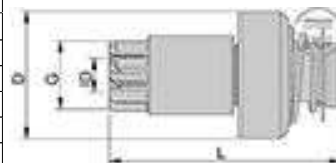
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	134
0957	20	14.7	116.8	10		65		Horário		
1046	20	14.7	126	10		65		Horário		
1047	20	14.7	119	10		65		Horário		



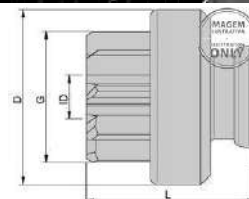


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

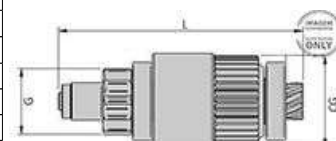
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	138
1712	9	25.8	82.3	11	11	46.6		Anti-horário		
1741	10	27.94	80.4	11	11	46.6		Anti-horário		



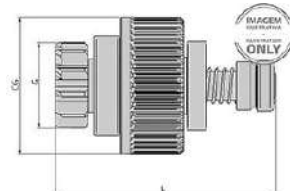
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	143
1813	9	29.64	43.5	10	11.02	45.9		Horário		
1816	9	34.1	43.5	10	11.08	45.9		Horário		
1841	10	32	43.5	10	11.02	45.9		Horário		
1887	9	29.64	50	10	11.02	45.9		Horário		
1902	11	30	43.5	10	11.02	45.9		Horário		
1942	12	31.8	43.5	10	11.02	45.9		Horário		
1943	11	35.4	51.5	10	11.02	45.9		Horário		



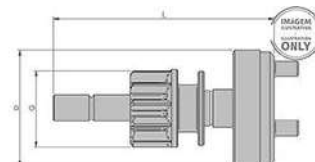
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	144
1827	11	40	146.3					Horário		
1830	12	44.9	146.3					Horário		
1962	11	40	146.3					Horário		



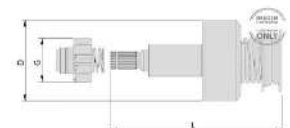
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	145
1861	9	33	95.3					Horário		
1862	9	36	95.3					Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	146
1875	9	29.6	85.7			45.3		Horário		
1877	10	27.8	81.2			44.2		Horário		
1879	11	29.7	85.7			45.3		Horário		
1964	11	34.8	85.7			45.3		Horário		
1966	12	37.1	85.7			45.3		Horário		
1967	10	27.8	85.7			45.3		Horário		
1968	13	34.55	91.7			45.3		Horário		
1969	10	32.8	91.7			45.3		Horário		
1974	15	38.2	93.2			44.2		Horário		
2043	10	32.09	81.2			44.2		Horário		

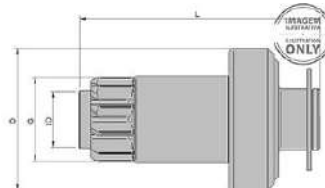


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	148
1888	9	35.5	136	6	15.1	64.6		Horário		

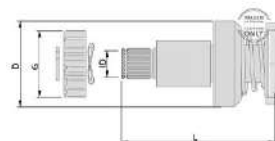


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

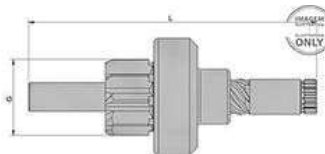
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	149
1890	10	28.36	81.8	10	12.06	48.7	15.8	Anti-horário		
1891	10	28.36	89	10	12.06	48.7	15.8	Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	151
1803	13	34.65	97.85	16		45.8		Anti-horário		
1985	13	34.65	93.2	16	11	45.3		Anti-horário		



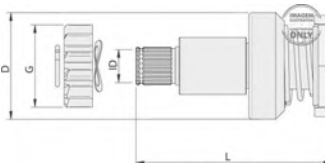
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	155
1849	9	29.64	110.7	6	11	45.3		Horário		



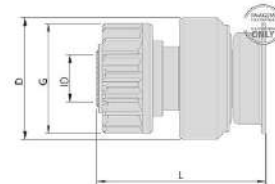
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	158
1934	13	34.65	96.5	4	12	49.8		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	159
1826	13	34.4	98	16	14.25	50.7		Anti-horário		

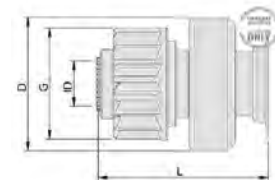


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	161
1922	17	41.8	64.1	4	12	46.5		Horário		

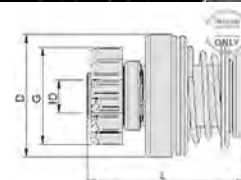


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión Externa	Profundidade de Rebaixo Height of Rabbet Altura Del Rebajo	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	162
1935	15	38.2	58.5	10	11.02	45.6		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	164
1965	12	36.8	58.3	16	11	45.3		Horário		
1975	11	34.7	58.3	16	11	45.3		Horário		
1983	11	35	58.4	16	11	47.4		Horário		
1986	11	35.5	58.3	16	11	45.3		Horário		
2019	12	37.1	64.4	16	11	47.4		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	166
2034	13	40.8	94.6	5		45.9		Anti-horário		

imagem  
indisponível

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinion Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0001</b>  APLICAÇÃO Application / Aplicación Pg. 209	<b>1.01.0001.0</b>		<b>0005</b>  APLICAÇÃO Application / Aplicación Pg. 209	<b>1.01.0005.0</b>		<b>0006</b>  APLICAÇÃO Application / Aplicación Pg. 209	<b>1.01.0006.0</b>		<b>0010</b>  APLICAÇÃO Application / Aplicación Pg. 209	<b>1.01.0010.0</b>	
	T	9		T	9		T	9		T	9
	G	29.64		G	29.64		G	29.64		G	25.8
	L	73.5		L	73.5		L	74.5		L	75
	SPL	6		SPL	6		SPL	3		SPL	6
	ID	14.3		ID	14.3		ID	14.26		ID	12
	D	54.5		D	46.5		D	46.5		D	46.2
	FAM	020		FAM	020		FAM	023		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>0013</b>  APLICAÇÃO Application / Aplicación Pg. 209	<b>1.01.0013.0</b>		<b>0015</b>  APLICAÇÃO Application / Aplicación Pg. 209	<b>1.01.0015.0</b>		<b>0020</b>  APLICAÇÃO Application / Aplicación Pg. 210	<b>1.01.0020.0</b>		<b>0024</b>  APLICAÇÃO Application / Aplicación Pg. 210	<b>1.01.0024.0</b>	
	T	9		T	9		T	9		T	10
	G	25.8		G	29.64		G	25.8		G	40
	L	75.5		L	77.5		L	80.5		L	79.5
	SPL	3		SPL	3		SPL	3		SPL	6
	ID	12		ID	14.26		ID	12		ID	14.29
	D	46.2		D	46.6		D	46.2		D	60
	FAM	020		FAM	021		FAM	020		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0025</b>  APLICAÇÃO Application / Aplicación Pg. 210	<b>1.01.0025.0</b>		<b>0028</b>  APLICAÇÃO Application / Aplicación Pg. 210	<b>1.01.0028.0</b>		<b>0044</b>  APLICAÇÃO Application / Aplicación Pg. 211	<b>1.01.0044.0</b>		<b>0045</b>  APLICAÇÃO Application / Aplicación Pg. 211	<b>1.01.0045.0</b>	
	T	9		T	9		T	9		T	9
	G	34.8		G	34.8		G	25.8		G	25.8
	L	76.5		L	90		L	78		L	80.5
	SPL	6		SPL	3		SPL	3		SPL	6
	ID	14.3		ID	14.29		ID	12		ID	12
	D	60		D	54.5		D	46.6		D	46.2
	FAM	020		FAM	021		FAM	021		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0046</b>  APLICAÇÃO Application / Aplicación Pg. 211	<b>1.01.0046.0</b>		<b>0050</b>  APLICAÇÃO Application / Aplicación Pg. 211	<b>1.01.0050.0</b>		<b>0053</b>  APLICAÇÃO Application / Aplicación Pg. 212	<b>1.01.0053.0</b>		<b>0054</b>  APLICAÇÃO Application / Aplicación Pg. 212	<b>1.01.0054.0</b>	
	T	9		T	10		T	9		T	9
	G	25.8		G	33.02		G	25.8		G	25.8
	L	90		L	75		L	71.8		L	77
	SPL	3		SPL	6		SPL	12		SPL	3
	ID	12		ID	12		ID	12		ID	12
	D	45.5		D	46.6		D	46.5		D	46.6
	FAM	021		FAM	037		FAM	006		FAM	035
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinion Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0056</b>  APLICAÇÃO Application / Aplicación Pg. 212	<b>1.01.0056.0</b>		<b>0060</b>  APLICAÇÃO Application / Aplicación Pg. 212	<b>1.01.0060.0</b>		<b>0065</b>  APLICAÇÃO Application / Aplicación Pg. 213	<b>1.01.0065.0</b>		<b>0068</b>  APLICAÇÃO Application / Aplicación Pg. 213	<b>1.01.0068.0</b>	
	T	9		T	10		T	9		T	9
	G	29.64		G	40		G	25.816		G	25.8
	L	73.5		L	91.5		L	62		L	64
	SPL	6		SPL	3		SPL	10		SPL	10
	ID	12		ID	14.26		ID	11.08		ID	12
	D	46.5		D	60		D	46.3		D	46.5
<b>0077</b>  APLICAÇÃO Application / Aplicación Pg. 213	<b>1.01.0077.0</b>		<b>0080</b>  APLICAÇÃO Application / Aplicación Pg. 213	<b>1.01.0080.0</b>		<b>0082</b>  APLICAÇÃO Application / Aplicación Pg. 213	<b>1.01.0082.0</b>		<b>0085</b>  APLICAÇÃO Application / Aplicación Pg. 214	<b>1.01.0085.0</b>	
	T	9		T	9		T	10		T	9
	G	29.64		G	25.8		G	26.82		G	34.8
	L	64		L	68.5		L	66		L	79
	SPL	10		SPL	10		SPL	10		SPL	6
	ID	12		ID	12		ID	12		ID	14.26
	D	46.5		D	46.3		D	46.5		D	60
<b>0104</b>  APLICAÇÃO Application / Aplicación Pg. 214	<b>1.01.0104.0</b>		<b>0108</b>  APLICAÇÃO Application / Aplicación Pg. 214	<b>1.01.0108.0</b>		<b>0111</b>  APLICAÇÃO Application / Aplicación Pg. 214	<b>1.01.0111.0</b>		<b>0115</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0115.0</b>	
	T	9		T	9		T	11		T	9
	G	25.8		G	25.8		G	29.5		G	25.8
	L	72		L	64		L	64		L	66
	SPL	6		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	46.5		D	46.7		D	46.5		D	46.5
<b>0118</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0118.0</b>		<b>0119</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0119.0</b>		<b>0120</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0120.0</b>		<b>0126</b>  APLICAÇÃO Application / Aplicación Pg. 216	<b>1.01.0126.0</b>	
	T	10		T	9		T	9		T	9
	G	40		G	29.64		G	25.8		G	25.8
	L	91		L	66.5		L	70.8		L	72
	SPL	10		SPL	10		SPL	6		SPL	6
	ID	14.26		ID	12.51		ID	11.5		ID	12
	D	60		D	46.5		D	46.5		D	46.5
<b>0118</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0118.0</b>		<b>0119</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0119.0</b>		<b>0120</b>  APLICAÇÃO Application / Aplicación Pg. 215	<b>1.01.0120.0</b>		<b>0126</b>  APLICAÇÃO Application / Aplicación Pg. 216	<b>1.01.0126.0</b>	
	FAM	017		FAM	001		FAM	001		FAM	009
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
	FAM	014		FAM	048		FAM	048		FAM	017
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0131</b>  APLICAÇÃO Application / Aplicación Pg. 216	<b>1.01.0131.0</b>		<b>0135</b>  APLICAÇÃO Application / Aplicación Pg. 216	<b>1.01.0135.0</b>		<b>0139</b>  APLICAÇÃO Application / Aplicación Pg. 216	<b>1.01.0139.0</b>		<b>0140</b>  APLICAÇÃO Application / Aplicación Pg. 217	<b>1.01.0140.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	25.8		G	29.64
	L	66.5		L	77		L	64		L	82
	SPL	10		SPL	12		SPL	10		SPL	10
	ID	11		ID	12		ID	12		ID	12.5
	D	46.5		D	46.5		D	46.5		D	46.6
	FAM	048		FAM	004		FAM	007		FAM	050
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0141</b>  APLICAÇÃO Application / Aplicación Pg. 217	<b>1.01.0141.0</b>		<b>0144</b>  APLICAÇÃO Application / Aplicación Pg. 217	<b>1.01.0144.0</b>		<b>0158</b>  APLICAÇÃO Application / Aplicación Pg. 217	<b>1.01.0158.0</b>		<b>0160</b>  APLICAÇÃO Application / Aplicación Pg. 218	<b>1.01.0160.0</b>	
	T	9		T	9		T	9		T	9
	G	29.64		G	29.64		G	25.8		G	29.64
	L	62		L	60.5		L	70		L	74
	SPL	10		SPL	8		SPL	9		SPL	3
	ID	13		ID	12.8		ID	12		ID	12.06
	D	46.5		D	45.5		D	46.5		D	46.5
	FAM	026		FAM	030		FAM	017		FAM	026
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0161</b>  APLICAÇÃO Application / Aplicación Pg. 218	<b>1.01.0161.0</b>		<b>0162</b>  APLICAÇÃO Application / Aplicación Pg. 218	<b>1.01.0162.0</b>		<b>0183</b>  APLICAÇÃO Application / Aplicación Pg. 218	<b>1.01.0183.0</b>		<b>0184</b>  APLICAÇÃO Application / Aplicación Pg. 218	<b>1.01.0184.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	29.64		G	25.8		G	29.64
	L	74		L	64.5		L	60		L	64
	SPL	3		SPL	9		SPL	9		SPL	10
	ID	12		ID	12.06		ID	12		ID	12.51
	D	46.5		D	46.6		D	46.5		D	46.6
	FAM	026		FAM	005		FAM	026		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0189</b>  APLICAÇÃO Application / Aplicación Pg. 219	<b>1.01.0189.0</b>		<b>0191</b>  APLICAÇÃO Application / Aplicación Pg. 219	<b>1.01.0191.0</b>		<b>0192</b>  APLICAÇÃO Application / Aplicación Pg. 219	<b>1.01.0192.0</b>		<b>0205</b>  APLICAÇÃO Application / Aplicación Pg. 219	<b>1.01.0205.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	25.8		G	25.8
	L	68		L	74.5		L	64		L	62
	SPL	9		SPL	3		SPL	3		SPL	12
	ID	12		ID	11		ID	11		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	018		FAM	023		FAM	017		FAM	020
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0213</b>  APLICAÇÃO Application / Aplicación Pg. 219	<b>1.01.0213.0</b>		<b>0215</b>  APLICAÇÃO Application / Aplicación Pg. 220	<b>1.01.0215.0</b>		<b>0216</b>  APLICAÇÃO Application / Aplicación Pg. 220	<b>1.01.0216.0</b>		<b>0217</b>  APLICAÇÃO Application / Aplicación Pg. 220	<b>1.01.0217.0</b>	
	T	11		T	9		T	9		T	9
	G	29.5		G	29.64		G	36.5		G	29.64
	L	68		L	76		L	76		L	76
	SPL	6		SPL	12		SPL	12		SPL	6
	ID	14		ID	14		ID	14		ID	14
	D	46.5		D	54.5		D	54.5		D	54.5
	FAM	010		FAM	017		FAM	016		FAM	017
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0220</b>  APLICAÇÃO Application / Aplicación Pg. 220	<b>1.01.0220.0</b>		<b>0221</b>  APLICAÇÃO Application / Aplicación Pg. 221	<b>1.01.0221.0</b>		<b>0222</b>  APLICAÇÃO Application / Aplicación Pg. 221	<b>1.01.0222.0</b>		<b>0223</b>  APLICAÇÃO Application / Aplicación Pg. 221	<b>1.01.0223.0</b>	
	T	10		T	9		T	10		T	9
	G	26.82		G	25.8		G	26.82		G	29.64
	L	64		L	64		L	64		L	69
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	007		FAM	003		FAM	003		FAM	049
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0225</b>  APLICAÇÃO Application / Aplicación Pg. 221	<b>1.01.0225.0</b>		<b>0227</b>  APLICAÇÃO Application / Aplicación Pg. 221	<b>1.01.0227.0</b>		<b>0228</b>  APLICAÇÃO Application / Aplicación Pg. 222	<b>1.01.0228.0</b>		<b>0229</b>  APLICAÇÃO Application / Aplicación Pg. 222	<b>1.01.0229.0</b>	
	T	9		T	11		T	9		T	9
	G	34.8		G	41		G	25.8		G	25.8
	L	92.5		L	90		L	71		L	74
	SPL	3		SPL	3		SPL	10		SPL	10
	ID	14.26		ID	14.26		ID	12		ID	11
	D	60		D	54.5		D	54.5		D	46.5
	FAM	022		FAM	021		FAM	015		FAM	007
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0238</b>  APLICAÇÃO Application / Aplicación Pg. 222	<b>1.01.0238.0</b>		<b>0243</b>  APLICAÇÃO Application / Aplicación Pg. 222	<b>1.01.0243.0</b>		<b>0244</b>  APLICAÇÃO Application / Aplicación Pg. 222	<b>1.01.0244.0</b>		<b>0245</b>  APLICAÇÃO Application / Aplicación Pg. 223	<b>1.01.0245.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	25.8		G	25.8
	L	64		L	66		L	61.5		L	59.5
	SPL	9		SPL	12		SPL	9		SPL	9
	ID	12.06		ID	12		ID	12		ID	12
	D	46.5		D	45.5		D	46.5		D	46.5
	FAM	005		FAM	067		FAM	018		FAM	016
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	ø Externo (mm) Pinon O.D. Piñon - ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	ø da Bucha (mm) Pinon I.D. Pinón - ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	ø da Capa (mm) Drive O.D. ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0248</b>  APLICAÇÃO Application / Aplicación Pg. 223	<b>1.01.0248.0</b>		<b>0285</b>  APLICAÇÃO Application / Aplicación Pg. 223	<b>1.01.0285.0</b>		<b>0287</b>  APLICAÇÃO Application / Aplicación Pg. 223	<b>1.01.0287.0</b>		<b>0291</b>  APLICAÇÃO Application / Aplicación Pg. 223	<b>1.01.0291.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	25.8		G	34.8
	L	59.5		L	60		L	55		L	74
	SPL	12		SPL	9		SPL	9		SPL	10
	ID	12		ID	12		ID	12		ID	14.26
	D	46.5		D	46.5		D	46.5		D	60
	FAM	047		FAM	047		FAM	086		FAM	015
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>0292</b>  APLICAÇÃO Application / Aplicación Pg. 223	<b>1.01.0292.0</b>		<b>0293</b>  APLICAÇÃO Application / Aplicación Pg. 224	<b>1.01.0293.0</b>		<b>0294</b>  APLICAÇÃO Application / Aplicación Pg. 224	<b>1.01.0294.0</b>		<b>0297</b>  APLICAÇÃO Application / Aplicación Pg. 224	<b>1.01.0297.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	25.8		G	25.8
	L	64		L	64		L	64		L	66.5
	SPL	10		SPL	6		SPL	6		SPL	12
	ID	11		ID	12		ID	11		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	001		FAM	017		FAM	017		FAM	077
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>0300</b>  APLICAÇÃO Application / Aplicación Pg. 224	<b>1.01.0300.0</b>		<b>0302</b>  APLICAÇÃO Application / Aplicación Pg. 224	<b>1.01.0302.0</b>		<b>0307</b>  APLICAÇÃO Application / Aplicación Pg. 224	<b>1.01.0307.0</b>		<b>0310</b>  APLICAÇÃO Application / Aplicación Pg. 225	<b>1.01.0310.0</b>	
	T	9		T	10		T	9		T	9
	G	29.64		G	40		G	25.8		G	34.8
	L	64.5		L	91		L	64		L	75
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	14.26		ID	12		ID	14.3
	D	46.5		D	60		D	46.5		D	60
	FAM	009		FAM	014		FAM	007		FAM	014
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0313</b>  APLICAÇÃO Application / Aplicación Pg. 225	<b>1.01.0313.0</b>		<b>0318</b>  APLICAÇÃO Application / Aplicación Pg. 225	<b>1.01.0318.0</b>		<b>0319</b>  APLICAÇÃO Application / Aplicación Pg. 225	<b>1.01.0319.0</b>		<b>0320</b>  APLICAÇÃO Application / Aplicación Pg. 225	<b>1.01.0320.0</b>	
	T	12		T	9		T	9		T	9
	G	46.3		G	34.8		G	25.8		G	29.64
	L	75		L	90		L	73		L	74
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	14.3		ID	14.26		ID	12		ID	14.3
	D	60		D	54.5		D	54.5		D	54.5
	FAM	014		FAM	021		FAM	014		FAM	015
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0323</b>  APLICAÇÃO Application / Aplicación Pg. 226	<b>1.01.0323.0</b>		<b>0325</b>  APLICAÇÃO Application / Aplicación Pg. 226	<b>1.01.0325.0</b>		<b>0327</b>  APLICAÇÃO Application / Aplicación Pg. 226	<b>1.01.0327.0</b>		<b>0328</b>  APLICAÇÃO Application / Aplicación Pg. 226	<b>1.01.0328.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	29.64		G	25.8
	L	62		L	62		L	86		L	64
	SPL	10		SPL	10		SPL	10		SPL	6
	ID	11		ID	12		ID	12.5		ID	11
	D	46.5		D	46.5		D	46.6		D	46.5
	FAM	002		FAM	001		FAM	050		FAM	068
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0329</b>  APLICAÇÃO Application / Aplicación Pg. 226	<b>1.01.0329.0</b>		<b>0339</b>  APLICAÇÃO Application / Aplicación Pg. 227	<b>1.01.0339.0</b>		<b>0340</b>  APLICAÇÃO Application / Aplicación Pg. 227	<b>1.01.0340.0</b>		<b>0341</b>  APLICAÇÃO Application / Aplicación Pg. 227	<b>1.01.0341.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	29.64		G	29.64
	L	64		L	82		L	60.5		L	86
	SPL	6		SPL	10		SPL	8		SPL	10
	ID	12		ID	12.5		ID	12.8		ID	12.5
	D	46.5		D	46.5		D	45.5		D	46.5
	FAM	069		FAM	050		FAM	032		FAM	050
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0342</b>  APLICAÇÃO Application / Aplicación Pg. 227	<b>1.01.0342.0</b>		<b>0345</b>  APLICAÇÃO Application / Aplicación Pg. 227	<b>1.01.0345.0</b>		<b>0348</b>  APLICAÇÃO Application / Aplicación Pg. 227	<b>1.01.0348.0</b>		<b>0349</b>  APLICAÇÃO Application / Aplicación Pg. 228	<b>1.01.0349.0</b>	
	T	8		T	9		T	9		T	9
	G	27.6		G	25.8		G	25.8		G	29.64
	L	86		L	64		L	65		L	62
	SPL	10		SPL	10		SPL	6		SPL	10
	ID	12.5		ID	12		ID	12		ID	12.5
	D	46.5		D	46.7		D	46.5		D	46.5
	FAM	050		FAM	007		FAM	069		FAM	069
	CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>0351</b>  APLICAÇÃO Application / Aplicación Pg. 228	<b>1.01.0351.0</b>		<b>0352</b>  APLICAÇÃO Application / Aplicación Pg. 228	<b>1.01.0352.0</b>		<b>0353</b>  APLICAÇÃO Application / Aplicación Pg. 229	<b>1.01.0353.0</b>		<b>0361</b>  APLICAÇÃO Application / Aplicación Pg. 229	<b>1.01.0361.0</b>	
	T	9		T	8		T	9		T	9
	G	29.64		G	28.2		G	29.64		G	29.64
	L	62		L	60.5		L	82		L	64
	SPL	10		SPL	8		SPL	10		SPL	10
	ID	12.5		ID	12.8		ID	12.5		ID	12
	D	46.5		D	45.9		D	46.5		D	46.5
	FAM	070		FAM	030		FAM	050		FAM	001
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0362</b>  APLICAÇÃO Application / Aplicación Pg. 229	<b>1.01.0362.0</b>		<b>0365</b>  APLICAÇÃO Application / Aplicación Pg. 230	<b>1.01.0365.0</b>		<b>0366</b>  APLICAÇÃO Application / Aplicación Pg. 230	<b>1.01.0366.0</b>		<b>0367</b>  APLICAÇÃO Application / Aplicación Pg. 230	<b>1.01.0367.0</b>	
	T	10		T	9		T	9		T	9
	G	26.82		G	36.5		G	34.8		G	34.8
	L	68.5		L	74		L	74		L	91
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	14.3		ID	14.3		ID	14.3
	D	46.5		D	60		D	60		D	60
	FAM	049		FAM	015		FAM	015		FAM	015
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0376</b>  APLICAÇÃO Application / Aplicación Pg. 230	<b>1.01.0376.0</b>		<b>0382</b>  APLICAÇÃO Application / Aplicación Pg. 231	<b>1.01.0382.0</b>		<b>0389</b>  APLICAÇÃO Application / Aplicación Pg. 231	<b>1.01.0389.0</b>		<b>0392</b>  APLICAÇÃO Application / Aplicación Pg. 231	<b>1.01.0392.0</b>	
	T	9		T	8		T	11		T	11
	G	33		G	28		G	29.5		G	41
	L	69		L	62		L	70.8		L	91
	SPL	12		SPL	10		SPL	6		SPL	10
	ID	14		ID	12.5		ID	11.5		ID	14.3
	D	60		D	46.5		D	46.5		D	60
	FAM	027		FAM	071		FAM	010		FAM	014
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0394</b>  APLICAÇÃO Application / Aplicación Pg. 231	<b>1.01.0394.0</b>		<b>0395</b>  APLICAÇÃO Application / Aplicación Pg. 231	<b>1.01.0395.0</b>		<b>0397</b>  APLICAÇÃO Application / Aplicación Pg. 232	<b>1.01.0397.0</b>		<b>0398</b>  APLICAÇÃO Application / Aplicación Pg. 232	<b>1.01.0398.0</b>	
	T	11		T	9		T	9		T	13
	G	29.5		G	25.8		G	29.64		G	46
	L	65.5		L	65.5		L	70.8		L	70
	SPL	10		SPL	10		SPL	6		SPL	12
	ID	11.5		ID	12		ID	11.5		ID	17
	D	46.5		D	46.5		D	46.5		D	60
	FAM	078		FAM	078		FAM	010		FAM	039
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0404</b>  APLICAÇÃO Application / Aplicación Pg. 232	<b>1.01.0404.0</b>		<b>0406</b>  APLICAÇÃO Application / Aplicación Pg. 232	<b>1.01.0406.0</b>		<b>0407</b>  APLICAÇÃO Application / Aplicación Pg. 232	<b>1.01.0407.0</b>		<b>0408</b>  APLICAÇÃO Application / Aplicación Pg. 232	<b>1.01.0408.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	34.8		G	25.8
	L	61.5		L	64		L	77.5		L	69
	SPL	11		SPL	10		SPL	6		SPL	6
	ID	13		ID	11		ID	14.3		ID	11.5
	D	46.5		D	46.5		D	60		D	46.5
	FAM	081		FAM	092		FAM	091		FAM	010
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0411</b>  APLICAÇÃO Application / Aplicación Pg. 233	<b>1.01.0411.0</b>		<b>0412</b>  APLICAÇÃO Application / Aplicación Pg. 233	<b>1.01.0412.0</b>		<b>0414</b>  APLICAÇÃO Application / Aplicación Pg. 233	<b>1.01.0414.0</b>		<b>0417</b>  APLICAÇÃO Application / Aplicación Pg. 233	<b>1.01.0417.0</b>	
	T	11		T	9		T	10		T	9
	G	39.5		G	29.3		G	32		G	34.8
	L	73		L	75		L	75		L	64
	SPL	12		SPL	12		SPL	12		SPL	10
	ID	17		ID	12.06		ID	12.06		ID	12
	D	60		D	46.5		D	46.5		D	54.5
	FAM	039		FAM	083		FAM	083		FAM	001
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0419</b>  APLICAÇÃO Application / Aplicación Pg. 233	<b>1.01.0419.0</b>		<b>0420</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0420.0</b>		<b>0426</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0426.0</b>		<b>0428</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0428.0</b>	
	T	10		T	9		T	11		T	9
	G	39		G	25.8		G	34.8		G	25.8
	L	91		L	64		L	60.5		L	85
	SPL	10		SPL	10		SPL	8		SPL	10
	ID	14.3		ID	12		ID	12.8		ID	12
	D	60		D	46.5		D	45.9		D	46.5
	FAM	015		FAM	092		FAM	030		FAM	093
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0429</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0429.0</b>		<b>0433</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0433.0</b>		<b>0438</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0438.0</b>		<b>0440</b>  APLICAÇÃO Application / Aplicación Pg. 234	<b>1.01.0440.0</b>	
	T	9		T	9		T	9		T	9
	G	30		G	25.8		G	34.8		G	34.8
	L	76.5		L	69		L	91		L	95
	SPL	10		SPL	3		SPL	10		SPL	10
	ID	12.5		ID	12		ID	15.05		ID	15.05
	D	46.5		D	43.5		D	60		D	60
	FAM	073		FAM	017		FAM	036		FAM	025
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0442</b>  APLICAÇÃO Application / Aplicación Pg. 235	<b>1.01.0442.0</b>		<b>0443</b>  APLICAÇÃO Application / Aplicación Pg. 235	<b>1.01.0443.0</b>		<b>0445</b>  APLICAÇÃO Application / Aplicación Pg. 235	<b>1.01.0445.0</b>		<b>0447</b>  APLICAÇÃO Application / Aplicación Pg. 235	<b>1.01.0447.0</b>	
	T	9		T	9		T	9		T	11
	G	25.8		G	25.8		G	25.8		G	41
	L	64		L	62.5		L	61.5		L	73.5
	SPL	10		SPL	6		SPL	9		SPL	10
	ID	12		ID	12		ID	12.06		ID	14.2
	D	46.7		D	46.5		D	46.5		D	60
	FAM	001		FAM	010		FAM	005		FAM	015
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinion Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0449</b>  APLICAÇÃO Application / Aplicación Pg. 235	<b>1.01.0449.0</b>		<b>0450</b>  APLICAÇÃO Application / Aplicación Pg. 235	<b>1.01.0450.0</b>		<b>0451</b>  APLICAÇÃO Application / Aplicación Pg. 236	<b>1.01.0451.0</b>		<b>0453</b>  APLICAÇÃO Application / Aplicación Pg. 236	<b>1.01.0453.0</b>	
	T	9		T	8		T	9		T	8
	G	36.5		G	28.2		G	25.8		G	27
	L	73		L	55.5		L	62		L	60.5
	SPL	12		SPL	8		SPL	6		SPL	6
	ID	14.3		ID	12		ID	11.5		ID	12
	D	60		D	46.5		D	41.5		D	41.5
	FAM	039		FAM	047		FAM	080		FAM	080
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0454</b>  APLICAÇÃO Application / Aplicación Pg. 236	<b>1.01.0454.0</b>		<b>0455</b>  APLICAÇÃO Application / Aplicación Pg. 236	<b>1.01.0455.0</b>		<b>0458</b>  APLICAÇÃO Application / Aplicación Pg. 237	<b>1.01.0458.0</b>		<b>0459</b>  APLICAÇÃO Application / Aplicación Pg. 237	<b>1.01.0459.0</b>	
	T	10		T	10		T	9		T	10
	G	32		G	27.94		G	29.64		G	27.5
	L	80		L	71.8		L	55.5		L	80
	SPL	3		SPL	12		SPL	6		SPL	3
	ID	14.26		ID	12		ID	12		ID	14
	D	60		D	46.5		D	41.5		D	60
	FAM	020		FAM	006		FAM	017		FAM	035
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>0460</b>  APLICAÇÃO Application / Aplicación Pg. 237	<b>1.01.0460.0</b>		<b>0461</b>  APLICAÇÃO Application / Aplicación Pg. 237	<b>1.01.0461.0</b>		<b>0462</b>  APLICAÇÃO Application / Aplicación Pg. 237	<b>1.01.0462.0</b>		<b>0463</b>  APLICAÇÃO Application / Aplicación Pg. 237	<b>1.01.0463.0</b>	
	T	10		T	10		T	9		T	9
	G	27.2		G	27.2		G	29.64		G	29.64
	L	74		L	78.5		L	68		L	69
	SPL	10		SPL	9		SPL	9		SPL	9
	ID	14.26		ID	12		ID	12		ID	12
	D	54.5		D	46.5		D	54.5		D	46.5
	FAM	015		FAM	019		FAM	017		FAM	017
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0467</b>  APLICAÇÃO Application / Aplicación Pg. 238	<b>1.01.0467.0</b>		<b>0468</b>  APLICAÇÃO Application / Aplicación Pg. 238	<b>1.01.0468.0</b>		<b>0469</b>  APLICAÇÃO Application / Aplicación Pg. 238	<b>1.01.0469.0</b>		<b>0474</b>  APLICAÇÃO Application / Aplicación Pg. 238	<b>1.01.0474.0</b>	
	T	9		T	9		T	10		T	9
	G	25.8		G	25.8		G	26.82		G	25.8
	L	54.5		L	51.5		L	63.5		L	64
	SPL	9		SPL	9		SPL	9		SPL	10
	ID	12.06		ID	12.06		ID	12		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	096		FAM	096		FAM	096		FAM	100
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0475</b>  APLICAÇÃO Application / Aplicación Pg. 238	<b>1.01.0475.0</b>		<b>0482</b>  APLICAÇÃO Application / Aplicación Pg. 238	<b>1.01.0482.0</b>		<b>0486</b>  APLICAÇÃO Application / Aplicación Pg. 239	<b>1.01.0486.0</b>		<b>0492</b>  APLICAÇÃO Application / Aplicación Pg. 239	<b>1.01.0492.0</b>	
	T	9		T	9		T	10		T	10
	G	29.64		G	25.8		G	40		G	32
	L	59		L	58.5		L	100		L	95
	SPL	10		SPL	10		SPL	12		SPL	3
	ID	12		ID	12		ID	17.03		ID	15
	D	46.5		D	46.3		D	60		D	60
	FAM	100		FAM	100		FAM	040		FAM	035
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0495</b>  APLICAÇÃO Application / Aplicación Pg. 240	<b>1.01.0495.0</b>		<b>0498</b>  APLICAÇÃO Application / Aplicación Pg. 241	<b>1.01.0498.0</b>		<b>0499</b>  APLICAÇÃO Application / Aplicación Pg. 241	<b>1.01.0499.0</b>		<b>0502</b>  APLICAÇÃO Application / Aplicación Pg. 241	<b>1.01.0502.0</b>	
	T	10		T	8		T	8		T	11
	G	33		G	28.2		G	28		G	29.5
	L	75.5		L	82		L	60		L	60
	SPL	6		SPL	10		SPL	10		SPL	12
	ID	12		ID	12.5		ID	12.51		ID	12.06
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	037		FAM	050		FAM	047		FAM	096
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0506</b>  APLICAÇÃO Application / Aplicación Pg. 241	<b>1.01.0506.0</b>		<b>0517</b>  APLICAÇÃO Application / Aplicación Pg. 241	<b>1.01.0517.0</b>		<b>0519</b>  APLICAÇÃO Application / Aplicación Pg. 241	<b>1.01.0519.0</b>		<b>0520</b>  APLICAÇÃO Application / Aplicación Pg. 242	<b>1.01.0520.0</b>	
	T	10		T	8		T	8		T	10
	G	40		G	28		G	28.2		G	26.82
	L	100		L	82		L	70.5		L	58.5
	SPL	3		SPL	10		SPL	8		SPL	10
	ID	17		ID	12.51		ID	12		ID	12
	D	60		D	46.5		D	46.5		D	46.5
	FAM	040		FAM	050		FAM	047		FAM	100
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>0522</b>  APLICAÇÃO Application / Aplicación Pg. 242	<b>1.01.0522.0</b>		<b>0528</b>  APLICAÇÃO Application / Aplicación Pg. 242	<b>1.01.0528.0</b>		<b>0530</b>  APLICAÇÃO Application / Aplicación Pg. 242	<b>1.01.0530.0</b>		<b>0532</b>  APLICAÇÃO Application / Aplicación Pg. 242	<b>1.01.0532.0</b>	
	T	10		T	12		T	10		T	9
	G	27.94		G	46.3		G	27.94		G	25.9
	L	80.5		L	74		L	76		L	58.5
	SPL	3		SPL	10		SPL	12		SPL	10
	ID	12		ID	14.3		ID	12		ID	11
	D	46.2		D	60		D	54.5		D	46.5
	FAM	020		FAM	015		FAM	016		FAM	100
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<div><div>0533</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 242</div></div>	<div><div>1.01.0533.0</div><div><div><div>T</div><div>9</div></div><div><div>G</div><div>29.64</div></div><div><div>L</div><div>70</div></div><div><div>SPL</div><div>6</div></div><div><div>ID</div><div>14</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>107</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0537</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 243</div></div>	<div><div>1.01.0537.0</div><div><div><div>T</div><div>9</div></div><div><div>G</div><div>25.8</div></div><div><div>L</div><div>76</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>073</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0540</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 243</div></div>	<div><div>1.01.0540.0</div><div><div><div>T</div><div>11</div></div><div><div>G</div><div>29.5</div></div><div><div>L</div><div>66.5</div></div><div><div>SPL</div><div>6</div></div><div><div>ID</div><div>14</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>011</div></div><div><div>CW/CCW</div><div>Anti-horário</div></div></div></div>	<div><div>0545</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 243</div></div>	<div><div>1.01.0545.0</div><div><div><div>T</div><div>8</div></div><div><div>G</div><div>28.2</div></div><div><div>L</div><div>64</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12.6</div></div><div><div>D</div><div>46.6</div></div><div><div>FAM</div><div>047</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>
<div><div>0554</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 243</div></div>	<div><div>1.01.0554.0</div><div><div><div>T</div><div>9</div></div><div><div>G</div><div>29.5</div></div><div><div>L</div><div>65</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12.51</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>047</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0570</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 243</div></div>	<div><div>1.01.0570.0</div><div><div><div>T</div><div>11</div></div><div><div>G</div><div>29.5</div></div><div><div>L</div><div>59</div></div><div><div>SPL</div><div>9</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>086</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0571</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 244</div></div>	<div><div>1.01.0571.0</div><div><div><div>T</div><div>10</div></div><div><div>G</div><div>27.94</div></div><div><div>L</div><div>61.5</div></div><div><div>SPL</div><div>9</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>047</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0572</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 244</div></div>	<div><div>1.01.0572.0</div><div><div><div>T</div><div>10</div></div><div><div>G</div><div>27.5</div></div><div><div>L</div><div>65</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>54.5</div></div><div><div>FAM</div><div>100</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>
<div><div>0573</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 244</div></div>	<div><div>1.01.0573.0</div><div><div><div>T</div><div>9</div></div><div><div>G</div><div>29.64</div></div><div><div>L</div><div>62</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>54.5</div></div><div><div>FAM</div><div>100</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0574</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 244</div></div>	<div><div>1.01.0574.0</div><div><div><div>T</div><div>9</div></div><div><div>G</div><div>25.8</div></div><div><div>L</div><div>53</div></div><div><div>SPL</div><div>9</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>098</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0575</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 244</div></div>	<div><div>1.01.0575.0</div><div><div><div>T</div><div>10</div></div><div><div>G</div><div>27.94</div></div><div><div>L</div><div>58.5</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>100</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0576</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 244</div></div>	<div><div>1.01.0576.0</div><div><div><div>T</div><div>8</div></div><div><div>G</div><div>28.2</div></div><div><div>L</div><div>60</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12.5</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>047</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>
<div><div>0579</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 245</div></div>	<div><div>1.01.0579.0</div><div><div><div>T</div><div>9</div></div><div><div>G</div><div>25.8</div></div><div><div>L</div><div>58.5</div></div><div><div>SPL</div><div>10</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>102</div></div><div><div>CW/CCW</div><div>Anti-horário</div></div></div></div>	<div><div>0595</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 245</div></div>	<div><div>1.01.0595.0</div><div><div><div>T</div><div>8</div></div><div><div>G</div><div>28.2</div></div><div><div>L</div><div>50</div></div><div><div>SPL</div><div>8</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>110</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0596</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 245</div></div>	<div><div>1.01.0596.0</div><div><div><div>T</div><div>10</div></div><div><div>G</div><div>31.7</div></div><div><div>L</div><div>50.9</div></div><div><div>SPL</div><div>8</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.5</div></div><div><div>FAM</div><div>112</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>	<div><div>0597</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 245</div></div>	<div><div>1.01.0597.0</div><div><div><div>T</div><div>10</div></div><div><div>G</div><div>27.94</div></div><div><div>L</div><div>51.4</div></div><div><div>SPL</div><div>8</div></div><div><div>ID</div><div>12</div></div><div><div>D</div><div>46.6</div></div><div><div>FAM</div><div>112</div></div><div><div>CW/CCW</div><div>Horário</div></div></div></div>



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<div><div>0600</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0600.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28.2</td></tr><tr><td>L</td><td>65</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>112</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	8	G	28.2	L	65	SPL	8	ID	12	D	46.5	FAM	112	CW/CCW	Anti-horário	<div><div>0601</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0601.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>34.8</td></tr><tr><td>L</td><td>77.5</td></tr><tr><td>SPL</td><td>6</td></tr><tr><td>ID</td><td>14.3</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>091</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	34.8	L	77.5	SPL	6	ID	14.3	D	60	FAM	091	CW/CCW	Horário	<div><div>0605</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0605.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>77</td></tr><tr><td>SPL</td><td>6</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>011</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	9	G	25.8	L	77	SPL	6	ID	11	D	46.5	FAM	011	CW/CCW	Anti-horário	<div><div>0609</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0609.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>29.64</td></tr><tr><td>L</td><td>74.5</td></tr><tr><td>SPL</td><td>6</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>037</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	29.64	L	74.5	SPL	6	ID	12	D	46.5	FAM	037	CW/CCW	Horário
T	8																																																																						
G	28.2																																																																						
L	65																																																																						
SPL	8																																																																						
ID	12																																																																						
D	46.5																																																																						
FAM	112																																																																						
CW/CCW	Anti-horário																																																																						
T	9																																																																						
G	34.8																																																																						
L	77.5																																																																						
SPL	6																																																																						
ID	14.3																																																																						
D	60																																																																						
FAM	091																																																																						
CW/CCW	Horário																																																																						
T	9																																																																						
G	25.8																																																																						
L	77																																																																						
SPL	6																																																																						
ID	11																																																																						
D	46.5																																																																						
FAM	011																																																																						
CW/CCW	Anti-horário																																																																						
T	9																																																																						
G	29.64																																																																						
L	74.5																																																																						
SPL	6																																																																						
ID	12																																																																						
D	46.5																																																																						
FAM	037																																																																						
CW/CCW	Horário																																																																						
<div><div>0610</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0610.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>68</td></tr><tr><td>SPL</td><td>3</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>43.5</td></tr><tr><td>FAM</td><td>095</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	25.8	L	68	SPL	3	ID	12	D	43.5	FAM	095	CW/CCW	Horário	<div><div>0615</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0615.0</div><div><table><tr><td>T</td><td>11</td></tr><tr><td>G</td><td>39.5</td></tr><tr><td>L</td><td>73</td></tr><tr><td>SPL</td><td>3</td></tr><tr><td>ID</td><td>17</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>039</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	11	G	39.5	L	73	SPL	3	ID	17	D	60	FAM	039	CW/CCW	Anti-horário	<div><div>0617</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 246</div></div>	<div><div>1.01.0617.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>30</td></tr><tr><td>L</td><td>51</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>110</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	30	L	51	SPL	8	ID	12	D	46.5	FAM	110	CW/CCW	Horário	<div><div>0619</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 247</div></div>	<div><div>1.01.0619.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>58.5</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>102</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	9	G	25.8	L	58.5	SPL	10	ID	11	D	46.5	FAM	102	CW/CCW	Anti-horário
T	9																																																																						
G	25.8																																																																						
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SPL	3																																																																						
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FAM	095																																																																						
CW/CCW	Horário																																																																						
T	11																																																																						
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L	73																																																																						
SPL	3																																																																						
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FAM	039																																																																						
CW/CCW	Anti-horário																																																																						
T	9																																																																						
G	30																																																																						
L	51																																																																						
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D	46.5																																																																						
FAM	110																																																																						
CW/CCW	Horário																																																																						
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FAM	102																																																																						
CW/CCW	Anti-horário																																																																						
<div><div>0630</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 247</div></div>	<div><div>1.01.0630.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>27.94</td></tr><tr><td>L</td><td>58.5</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>100</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	27.94	L	58.5	SPL	10	ID	12	D	46.5	FAM	100	CW/CCW	Horário	<div><div>0631</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 247</div></div>	<div><div>1.01.0631.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>62</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>100</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	25.8	L	62	SPL	10	ID	12	D	54.5	FAM	100	CW/CCW	Horário	<div><div>0632</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 247</div></div>	<div><div>1.01.0632.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>27.5</td></tr><tr><td>L</td><td>62</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>100</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	27.5	L	62	SPL	10	ID	12	D	54.5	FAM	100	CW/CCW	Horário	<div><div>0633</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 247</div></div>	<div><div>1.01.0633.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>26.8</td></tr><tr><td>L</td><td>64</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>092</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	26.8	L	64	SPL	10	ID	12	D	46.5	FAM	092	CW/CCW	Horário
T	10																																																																						
G	27.94																																																																						
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SPL	10																																																																						
ID	12																																																																						
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ID	12																																																																						
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CW/CCW	Horário																																																																						
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L	62																																																																						
SPL	10																																																																						
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L	64																																																																						
SPL	10																																																																						
ID	12																																																																						
D	46.5																																																																						
FAM	092																																																																						
CW/CCW	Horário																																																																						
<div><div>0636</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 248</div></div>	<div><div>1.01.0636.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28.2</td></tr><tr><td>L</td><td>56</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	8	G	28.2	L	56	SPL	8	ID	12	D	46.5	FAM	047	CW/CCW	Anti-horário	<div><div>0639</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 248</div></div>	<div><div>1.01.0639.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>27.94</td></tr><tr><td>L</td><td>79.5</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>103</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	10	G	27.94	L	79.5	SPL	10	ID	12	D	54.5	FAM	103	CW/CCW	Anti-horário	<div><div>0641</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 248</div></div>	<div><div>1.01.0641.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.9</td></tr><tr><td>L</td><td>58.5</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>084</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	25.9	L	58.5	SPL	10	ID	11	D	46.5	FAM	084	CW/CCW	Horário	<div><div>0644</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 248</div></div>	<div><div>1.01.0644.0</div><div><table><tr><td>T</td><td>11</td></tr><tr><td>G</td><td>34.8</td></tr><tr><td>L</td><td>62</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12.5</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>070</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	11	G	34.8	L	62	SPL	10	ID	12.5	D	46.5	FAM	070	CW/CCW	Horário
T	8																																																																						
G	28.2																																																																						
L	56																																																																						
SPL	8																																																																						
ID	12																																																																						
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FAM	047																																																																						
CW/CCW	Anti-horário																																																																						
T	10																																																																						
G	27.94																																																																						
L	79.5																																																																						
SPL	10																																																																						
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D	54.5																																																																						
FAM	103																																																																						
CW/CCW	Anti-horário																																																																						
T	9																																																																						
G	25.9																																																																						
L	58.5																																																																						
SPL	10																																																																						
ID	11																																																																						
D	46.5																																																																						
FAM	084																																																																						
CW/CCW	Horário																																																																						
T	11																																																																						
G	34.8																																																																						
L	62																																																																						
SPL	10																																																																						
ID	12.5																																																																						
D	46.5																																																																						
FAM	070																																																																						
CW/CCW	Horário																																																																						

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0645</b>  APLICAÇÃO Application / Aplicación Pg. 248	<b>1.01.0645.0</b>		<b>0646</b>  APLICAÇÃO Application / Aplicación Pg. 248	<b>1.01.0646.0</b>		<b>0647</b>  APLICAÇÃO Application / Aplicación Pg. 249	<b>1.01.0647.0</b>		<b>0649</b>  APLICAÇÃO Application / Aplicación Pg. 249	<b>1.01.0649.0</b>	
	T	10		T	10		T	11		T	10
	G	32		G	27.94		G	34.4		G	40
	L	85		L	61.5		L	76.5		L	85
	SPL	12		SPL	9		SPL	9		SPL	12
	ID	13.01		ID	12		ID	12		ID	14
	D	60		D	54.5		D	54.5		D	60
	FAM	029		FAM	085		FAM	088		FAM	029
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0653</b>  APLICAÇÃO Application / Aplicación Pg. 249	<b>1.01.0653.0</b>		<b>0656</b>  APLICAÇÃO Application / Aplicación Pg. 249	<b>1.01.0656.0</b>		<b>0657</b>  APLICAÇÃO Application / Aplicación Pg. 249	<b>1.01.0657.0</b>		<b>0661</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0661.0</b>	
	T	9		T	12		T	9		T	10
	G	25.8		G	31.8		G	37.1		G	39
	L	64		L	61.5		L	61.5		L	91
	SPL	10		SPL	9		SPL	9		SPL	10
	ID	12		ID	12		ID	12		ID	14.3
	D	46.5		D	54.5		D	54.5		D	60
	FAM	008		FAM	085		FAM	085		FAM	014
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0663</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0663.0</b>		<b>0671</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0671.0</b>		<b>0672</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0672.0</b>		<b>0673</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0673.0</b>	
	T	9		T	8		T	9		T	11
	G	36		G	28.2		G	25.8		G	34.4
	L	78		L	71		L	60		L	64
	SPL	12		SPL	6		SPL	10		SPL	10
	ID	14.01		ID	11.5		ID	12		ID	12
	D	60		D	46.5		D	46.5		D	46.5
	FAM	029		FAM	010		FAM	008		FAM	008
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0674</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0674.0</b>		<b>0675</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0675.0</b>		<b>0676</b>  APLICAÇÃO Application / Aplicación Pg. 250	<b>1.01.0676.0</b>		<b>0677</b>  APLICAÇÃO Application / Aplicación Pg. 251	<b>1.01.0677.0</b>	
	T	9		T	10		T	9		T	10
	G	25.8		G	33		G	25.8		G	40
	L	66		L	64		L	74		L	74
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	14.3
	D	46.5		D	46.5		D	46.5		D	54.5
	FAM	009		FAM	008		FAM	007		FAM	015
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0679</b>  APLICAÇÃO Application / Aplicación Pg. 251	<b>1.01.0679.0</b>		<b>0681</b>  APLICAÇÃO Application / Aplicación Pg. 251	<b>1.01.0681.0</b>		<b>0684</b>  APLICAÇÃO Application / Aplicación Pg. 251	<b>1.01.0684.0</b>		<b>0686</b>  APLICAÇÃO Application / Aplicación Pg. 251	<b>1.01.0686.0</b>	
	T	8		T	9		T	9		T	8
	G	28.2		G	29.64		G	34.8		G	28.2
	L	58.5		L	70		L	69		L	82
	SPL	8		SPL	12		SPL	12		SPL	10
	ID	12		ID	12		ID	14		ID	12.5
	D	46.5		D	46.5		D	60		D	46.5
	FAM	110		FAM	006		FAM	027		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0687</b>  APLICAÇÃO Application / Aplicación Pg. 251	<b>1.01.0687.0</b>		<b>0691</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0691.0</b>		<b>0701</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0701.0</b>		<b>0702</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0702.0</b>	
	T	9		T	15		T	9		T	9
	G	29.64		G	44.5		G	29.6		G	25.8
	L	78		L	62		L	75		L	58.5
	SPL	5		SPL	10		SPL	10		SPL	10
	ID	12.5		ID	12.5		ID	12		ID	11
	D	46.5		D	54.5		D	46.5		D	46.5
	FAM	118		FAM	070		FAM	105		FAM	104
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário
<b>0703</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0703.0</b>		<b>0706</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0706.0</b>		<b>0709</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0709.0</b>		<b>0711</b>  APLICAÇÃO Application / Aplicación Pg. 252	<b>1.01.0711.0</b>	
	T	9		T	11		T	9		T	8
	G	25.8		G	29.5		G	34.8		G	28.2
	L	68		L	62		L	90		L	75.8
	SPL	10		SPL	10		SPL	3		SPL	8
	ID	11		ID	12		ID	14.26		ID	12
	D	46.5		D	54.5		D	54.5		D	46.5
	FAM	104		FAM	100		FAM	021		FAM	110
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0712</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0712.0</b>		<b>0713</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0713.0</b>		<b>0714</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0714.0</b>		<b>0720</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0720.0</b>	
	T	9		T	9		T	9		T	9
	G	29.64		G	29.64		G	29.64		G	29.64
	L	77		L	70		L	70.8		L	80
	SPL	8		SPL	3		SPL	6		SPL	3
	ID	10.7		ID	14		ID	12		ID	14
	D	46.5		D	46.5		D	46.5		D	60
	FAM	111		FAM	107		FAM	010		FAM	035
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0723</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0723.0</b>		<b>0729</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0729.0</b>		<b>0731</b>  APLICAÇÃO Application / Aplicación Pg. 253	<b>1.01.0731.0</b>		<b>0737</b>  APLICAÇÃO Application / Aplicación Pg. 254	<b>1.01.0737.0</b>	
	T	12		T	10		T	9		T	9
	G	46.3		G	27.94		G	25.8		G	29.6
	L	85.5		L	76.5		L	68.5		L	87
	SPL	12		SPL	10		SPL	6		SPL	-
	ID	14		ID	12		ID	12		CT	41
	D	60		D	46.5		D	46.5		D	-
	FAM	043		FAM	103		FAM	010		FAM	122
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>0740</b>  APLICAÇÃO Application / Aplicación Pg. 254	<b>1.01.0740.0</b>		<b>0741</b>  APLICAÇÃO Application / Aplicación Pg. 254	<b>1.01.0741.0</b>		<b>0742</b>  APLICAÇÃO Application / Aplicación Pg. 254	<b>1.01.0742.0</b>		<b>0743</b>  APLICAÇÃO Application / Aplicación Pg. 254	<b>1.01.0743.0</b>	
	T	11		T	9		T	9		T	11
	G	29.5		G	25.8		G	25.8		G	29.5
	L	58.5		L	58		L	64		L	54.5
	SPL	9		SPL	9		SPL	9		SPL	9
	ID	12		ID	12		ID	12		ID	12.06
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	096		FAM	096		FAM	096		FAM	096
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0744</b>  APLICAÇÃO Application / Aplicación Pg. 254	<b>1.01.0744.0</b>		<b>0745</b>  APLICAÇÃO Application / Aplicación Pg. 255	<b>1.01.0745.0</b>		<b>0747</b>  APLICAÇÃO Application / Aplicación Pg. 255	<b>1.01.0747.0</b>		<b>0750</b>  APLICAÇÃO Application / Aplicación Pg. 255	<b>1.01.0750.0</b>	
	T	8		T	9		T	10		T	11
	G	27		G	25.8		G	27.94		G	29.3
	L	64		L	53.5		L	51.5		L	83
	SPL	2		SPL	10		SPL	9		SPL	-
	ID	12		ID	12		ID	12		CT	40
	D	40		D	46.5		D	46.5		D	-
	FAM	026		FAM	084		FAM	085		FAM	124
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0752</b>  APLICAÇÃO Application / Aplicación Pg. 255	<b>1.01.0752.0</b>		<b>0753</b>  APLICAÇÃO Application / Aplicación Pg. 255	<b>1.01.0753.0</b>		<b>0756</b>  APLICAÇÃO Application / Aplicación Pg. 255	<b>1.01.0756.0</b>		<b>0762</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0762.0</b>	
	T	9		T	9		T	11		T	10
	G	25.8		G	25.8		G	30		G	27.94
	L	63		L	67.5		L	61.5		L	86.5
	SPL	6		SPL	9		SPL	6		SPL	9
	ID	12		ID	12.06		ID	12		ID	12.06
	D	43.5		D	46.5		D	46.2		D	46.5
	FAM	095		FAM	096		FAM	034		FAM	097
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0765</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0765.0</b>		<b>0767</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0767.0</b>		<b>0768</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0768.0</b>		<b>0769</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0769.0</b>	
	T	8		T	10		T	9		T	9
	G	24.7		G	32.18		G	25.8		G	25.8
	L	82		L	105.5		L	62.5		L	65.5
	SPL	10		SPL	6		SPL	2		SPL	6
	ID	12.51		ID	14.3		ID	11.5		ID	11.5
	D	46.5		D	60		D	40		D	40
	FAM	050		FAM	020		FAM	026		FAM	026
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário
<b>0770</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0770.0</b>		<b>0771</b>  APLICAÇÃO Application / Aplicación Pg. 256	<b>1.01.0771.0</b>		<b>0774</b>  APLICAÇÃO Application / Aplicación Pg. 257	<b>1.01.0774.0</b>		<b>0775</b>  APLICAÇÃO Application / Aplicación Pg. 257	<b>1.01.0775.0</b>	
	T	9		T	10		T	9		T	9
	G	25.8		G	27.5		G	25.8		G	25.8
	L	45		L	67.5		L	61.5		L	51.5
	SPL	6		SPL	3		SPL	6		SPL	9
	ID	12		ID	14		ID	12		ID	12
	D	43.5		D	60		D	46.2		D	46.5
	FAM	034		FAM	035		FAM	034		FAM	085
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0779</b>  APLICAÇÃO Application / Aplicación Pg. 257	<b>1.01.0779.0</b>		<b>0783</b>  APLICAÇÃO Application / Aplicación Pg. 258	<b>1.01.0783.0</b>		<b>0785</b>  APLICAÇÃO Application / Aplicación Pg. 258	<b>1.01.0785.0</b>		<b>0786</b>  APLICAÇÃO Application / Aplicación Pg. 258	<b>1.01.0786.0</b>	
	T	9		T	9		T	15		T	9
	G	25.8		G	25.8		G	44.5		G	25.8
	L	64		L	72		L	69		L	64
	SPL	6		SPL	3		SPL	12		SPL	6
	ID	11.5		ID	12		ID	14		ID	11.5
	D	46.5		D	43.5		D	60		D	46.5
	FAM	047		FAM	017		FAM	027		FAM	038
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0787</b>  APLICAÇÃO Application / Aplicación Pg. 258	<b>1.01.0787.0</b>		<b>0790</b>  APLICAÇÃO Application / Aplicación Pg. 258	<b>1.01.0790.0</b>		<b>0791</b>  APLICAÇÃO Application / Aplicación Pg. 259	<b>1.01.0791.0</b>		<b>0793</b>  APLICAÇÃO Application / Aplicación Pg. 259	<b>1.01.0793.0</b>	
	T	9		T	9		T	8		T	8
	G	25.82		G	36		G	28		G	28
	L	51.5		L	87		L	87		L	94
	SPL	10		SPL	-		SPL	-		SPL	-
	ID	12		CT	41		CT	41		CT	41
	D	46.5		D	-		D	-		D	-
	FAM	086		FAM	122		FAM	122		FAM	122
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0794</b>  APLICAÇÃO Application / Aplicación Pg. 259	<b>1.01.0794.0</b>		<b>0797</b>  APLICAÇÃO Application / Aplicación Pg. 259	<b>1.01.0797.0</b>		<b>0798</b>  APLICAÇÃO Application / Aplicación Pg. 259	<b>1.01.0798.0</b>		<b>0799</b>  APLICAÇÃO Application / Aplicación Pg. 259	<b>1.01.0799.0</b>	
	T	10		T	9		T	9		T	9
	G	33		G	25.8		G	25.8		G	25.8
	L	58.5		L	55.5		L	58.5		L	55.5
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
<b>0800</b>  APLICAÇÃO Application / Aplicación Pg. 260	<b>1.01.0800.0</b>		<b>0801</b>  APLICAÇÃO Application / Aplicación Pg. 260	<b>1.01.0801.0</b>		<b>0803</b>  APLICAÇÃO Application / Aplicación Pg. 260	<b>1.01.0803.0</b>		<b>0805</b>  APLICAÇÃO Application / Aplicación Pg. 260	<b>1.01.0805.0</b>	
	T	11		T	10		T	9		T	11
	G	29.5		G	33		G	25.8		G	29.5
	L	59		L	51		L	58.5		L	58.5
	SPL	10		SPL	8		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	54.5		D	46.5		D	46.5		D	46.5
<b>0806</b>  APLICAÇÃO Application / Aplicación Pg. 260	<b>1.01.0806.0</b>		<b>0808</b>  APLICAÇÃO Application / Aplicación Pg. 260	<b>1.01.0808.0</b>		<b>0809</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0809.0</b>		<b>0815</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0815.0</b>	
	T	12		T	8		T	9		T	9
	G	31.8		G	28.2		G	29.6		G	29.3
	L	51		L	53.5		L	53.5		L	99
	SPL	8		SPL	5		SPL	5		SPL	-
	ID	12		ID	11		ID	11		CT	48
	D	46.5		D	43.5		D	43.5		D	-
<b>0817</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0817.0</b>		<b>0818</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0818.0</b>		<b>0820</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0820.0</b>		<b>0821</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0821.0</b>	
	T	10		T	9		T	10		T	10
	G	28.2		G	29.6		G	26.82		G	26.82
	L	83		L	83		L	50.5		L	44
	SPL	-		SPL	-		SPL	9		SPL	9
	CT	40		CT	40		ID	12.1		ID	12.1
	D	-		D	-		D	46.5		D	46.5
<b>0821</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0821.0</b>		<b>0821</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0821.0</b>		<b>0821</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0821.0</b>		<b>0821</b>  APLICAÇÃO Application / Aplicación Pg. 261	<b>1.01.0821.0</b>	
	FAM	124		FAM	124		FAM	098		FAM	098
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0822</b>  APLICAÇÃO Application / Aplicación Pg. 262	<b>1.01.0822.0</b>		<b>0823</b>  APLICAÇÃO Application / Aplicación Pg. 262	<b>1.01.0823.0</b>		<b>0825</b>  APLICAÇÃO Application / Aplicación Pg. 262	<b>1.01.0825.0</b>		<b>0828</b>  APLICAÇÃO Application / Aplicación Pg. 262	<b>1.01.0828.0</b>	
	T	10		T	10		T	10		T	9
	G	26.82		G	26.82		G	27.94		G	29.64
	L	56.5		L	48		L	50.5		L	66
	SPL	9		SPL	9		SPL	8		SPL	5
	ID	12.1		ID	12.1		ID	12		ID	12.5
	D	46.5		D	46.5		D	46.5		D	46.5
<b>0830</b>  APLICAÇÃO Application / Aplicación Pg. 262	<b>1.01.0830.0</b>		<b>0831</b>  APLICAÇÃO Application / Aplicación Pg. 262	<b>1.01.0831.0</b>		<b>0832</b>  APLICAÇÃO Application / Aplicación Pg. 263	<b>1.01.0832.0</b>		<b>0836</b>  APLICAÇÃO Application / Aplicación Pg. 263	<b>1.01.0836.0</b>	
	T	8		T	9		T	9		T	9
	G	28.2		G	25.8		G	29.64		G	25.8
	L	53.5		L	79		L	77		L	55
	SPL	5		SPL	12		SPL	10		SPL	8
	ID	11		ID	12.51		ID	12.5		ID	12
	D	41.5		D	54.5		D	46.5		D	46.5
<b>0837</b>  APLICAÇÃO Application / Aplicación Pg. 263	<b>1.01.0837.0</b>		<b>0841</b>  APLICAÇÃO Application / Aplicación Pg. 263	<b>1.01.0841.0</b>		<b>0843</b>  APLICAÇÃO Application / Aplicación Pg. 263	<b>1.01.0843.0</b>		<b>0844</b>  APLICAÇÃO Application / Aplicación Pg. 263	<b>1.01.0844.0</b>	
	T	9		T	9		T	8		T	9
	G	25.8		G	29.6		G	23.92		G	25.9
	L	58.5		L	53.5		L	44		L	87
	SPL	10		SPL	5		SPL	5		SPL	-
	ID	12		ID	11		ID	11		CT	41
	D	46.5		D	41.5		D	46		D	-
<b>0846</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0846.0</b>		<b>0851</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0851.0</b>		<b>0852</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0852.0</b>		<b>0853</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0853.0</b>	
	T	11		T	10		T	8		T	8
	G	29.5		G	27.94		G	27.2		G	28.2
	L	58.5		L	86		L	52		L	70.5
	SPL	10		SPL	10		SPL	10		SPL	8
	ID	12		ID	12		ID	11		ID	12
	D	46.5		D	54.5		D	46.5		D	46.5
<b>0846</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0846.0</b>		<b>0851</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0851.0</b>		<b>0852</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0852.0</b>		<b>0853</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0853.0</b>	
	FAM	084		FAM	103		FAM	094		FAM	047
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0854</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0854.0</b>		<b>0855</b>  APLICAÇÃO Application / Aplicación Pg. 264	<b>1.01.0855.0</b>		<b>0857</b>  APLICAÇÃO Application / Aplicación Pg. 265	<b>1.01.0857.0</b>		<b>0860</b>  APLICAÇÃO Application / Aplicación Pg. 265	<b>1.01.0860.0</b>	
	T	8		T	11		T	9		T	10
	G	24.7		G	29.5		G	25.8		G	27.94
	L	64		L	55.5		L	64		L	73
	SPL	6		SPL	10		SPL	10		SPL	9
	ID	12		ID	12		ID	12		ID	12.1
	D	43.5		D	46.5		D	46.5		D	46.5
	FAM	034		FAM	084		FAM	001		FAM	129
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0861</b>  APLICAÇÃO Application / Aplicación Pg. 265	<b>1.01.0861.0</b>		<b>0863</b>  APLICAÇÃO Application / Aplicación Pg. 265	<b>1.01.0863.0</b>		<b>0866</b>  APLICAÇÃO Application / Aplicación Pg. 265	<b>1.01.0866.0</b>		<b>0868</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0868.0</b>	
	T	9		T	8		T	9		T	10
	G	36.8		G	28.2		G	25.8		G	27.5
	L	62		L	48		L	59.5		L	80
	SPL	10		SPL	9		SPL	10		SPL	3
	ID	12		ID	12.1		ID	12		ID	14
	D	54.5		D	46.5		D	46.5		D	60
	FAM	094		FAM	099		FAM	102		FAM	035
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0871</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0871.0</b>		<b>0874</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0874.0</b>		<b>0875</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0875.0</b>		<b>0878</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0878.0</b>	
	T	8		T	8		T	9		T	11
	G	28.2		G	28.2		G	35.5		G	29.5
	L	59		L	64.5		L	62		L	52.5
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	46.5		D	46.5		D	54.5		D	46.5
	FAM	100		FAM	001		FAM	100		FAM	038
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0890</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0890.0</b>		<b>0892</b>  APLICAÇÃO Application / Aplicación Pg. 266	<b>1.01.0892.0</b>		<b>0895</b>  APLICAÇÃO Application / Aplicación Pg. 267	<b>1.01.0895.0</b>		<b>0900</b>  APLICAÇÃO Application / Aplicación Pg. 267	<b>1.01.0900.0</b>	
	T	23		T	9		T	9		T	10
	G	54.4		G	25.9		G	36		G	27.94
	L	46.5		L	78.5		L	71		L	79.5
	SPL	12		SPL	-		SPL	12		SPL	10
	ID	12		CT	44		ID	13		ID	12
	D	45.3		D	-		D	60		D	46.5
	FAM	115		FAM	122		FAM	029		FAM	103
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0901</b>  APLICAÇÃO Application / Aplicación Pg. 267	<b>1.01.0901.0</b>		<b>0905</b>  APLICAÇÃO Application / Aplicación Pg. 267	<b>1.01.0905.0</b>		<b>0908</b>  APLICAÇÃO Application / Aplicación Pg. 267	<b>1.01.0908.0</b>		<b>0915</b>  APLICAÇÃO Application / Aplicación Pg. 267	<b>1.01.0915.0</b>	
	T	11		T	10		T	8		T	9
	G	40.5		G	27.94		G	28.2		G	25.8
	L	77		L	77		L	48		L	55
	SPL	12		SPL	12		SPL	9		SPL	9
	ID	16		ID	12		ID	12.1		ID	12.06
	D	60		D	46.5		D	46.5		D	46.5
	FAM	027		FAM	004		FAM	085		FAM	117
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0916</b>  APLICAÇÃO Application / Aplicación Pg. 268	<b>1.01.0916.0</b>		<b>0917</b>  APLICAÇÃO Application / Aplicación Pg. 268	<b>1.01.0917.0</b>		<b>0918</b>  APLICAÇÃO Application / Aplicación Pg. 268	<b>1.01.0918.0</b>		<b>0919</b>  APLICAÇÃO Application / Aplicación Pg. 268	<b>1.01.0919.0</b>	
	T	9		T	9		T	8		T	9
	G	36.5		G	29.64		G	27.6		G	25.8
	L	61		L	48		L	48		L	58.5
	SPL	10		SPL	9		SPL	9		SPL	10
	ID	12		ID	12.1		ID	12.1		ID	12
	D	60		D	46.5		D	46.5		D	46.5
	FAM	085		FAM	085		FAM	085		FAM	084
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0921</b>  APLICAÇÃO Application / Aplicación Pg. 268	<b>1.01.0921.0</b>		<b>0925</b>  APLICAÇÃO Application / Aplicación Pg. 268	<b>1.01.0925.0</b>		<b>0926</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0926.0</b>		<b>0932</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0932.0</b>	
	T	11		T	9		T	9		T	9
	G	40		G	25.8		G	25.8		G	25.8
	L	102		L	49.5		L	56.5		L	80.5
	SPL	-		SPL	10		SPL	12		SPL	16
	CT	40		ID	12		ID	12		ID	11
	D	-		D	46.5		D	46.5		D	54.5
	FAM	124		FAM	094		FAM	131		FAM	079
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0933</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0933.0</b>		<b>0935</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0935.0</b>		<b>0936</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0936.0</b>		<b>0937</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0937.0</b>	
	T	10		T	11		T	11		T	10
	G	27.94		G	29.5		G	29.5		G	27.94
	L	90		L	55		L	61.5		L	80.5
	SPL	16		SPL	9		SPL	9		SPL	16
	ID	9		ID	12		ID	12		ID	11
	D	46.5		D	46.5		D	46.5		D	54.5
	FAM	101		FAM	087		FAM	085		FAM	079
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0938</b>  APLICAÇÃO Application / Aplicación Pg. 269	<b>1.01.0938.0</b>		<b>0942</b>  APLICAÇÃO Application / Aplicación Pg. 270	<b>1.01.0942.0</b>		<b>0945</b>  APLICAÇÃO Application / Aplicación Pg. 270	<b>1.01.0945.0</b>		<b>0946</b>  APLICAÇÃO Application / Aplicación Pg. 270	<b>1.01.0946.0</b>	
	T	10		T	9		T	9		T	9
	G	26.82		G	25.8		G	25.8		G	33
	L	48.5		L	62		L	48		L	102
	SPL	10		SPL	10		SPL	9		SPL	-
	ID	12		ID	12		ID	12.1		CT	40
	D	46.5		D	46.5		D	46.5		D	-
<b>0947</b>  APLICAÇÃO Application / Aplicación Pg. 270	<b>1.01.0947.0</b>		<b>0951</b>  APLICAÇÃO Application / Aplicación Pg. 271	<b>1.01.0951.0</b>		<b>0953</b>  APLICAÇÃO Application / Aplicación Pg. 271	<b>1.01.0953.0</b>		<b>0954</b>  APLICAÇÃO Application / Aplicación Pg. 271	<b>1.01.0954.0</b>	
	T	9		T	8		T	9		T	10
	G	29.64		G	28.2		G	35.5		G	37.8
	L	102		L	75		L	88		L	83
	SPL	-		SPL	5		SPL	3		SPL	-
	CT	40		ID	11		ID	16.1		CT	40
	D	-		D	41.5		D	60		D	-
<b>0957</b>  APLICAÇÃO Application / Aplicación Pg. 271	<b>1.01.0957.0</b>		<b>0958</b>  APLICAÇÃO Application / Aplicación Pg. 271	<b>1.01.0958.0</b>		<b>0959</b>  APLICAÇÃO Application / Aplicación Pg. 272	<b>1.01.0959.0</b>		<b>0960</b>  APLICAÇÃO Application / Aplicación Pg. 272	<b>1.01.0960.0</b>	
	T	20		T	11		T	18		T	10
	G	14.7		G	30		G	13.2		G	26.82
	L	116.8		L	47		L	82		L	60.5
	SPL	10		SPL	6		SPL	6		SPL	9
	ID	-		ID	12		ID	-		ID	12.1
	D	65		D	46.5		D	45.3		D	46.5
<b>0961</b>  APLICAÇÃO Application / Aplicación Pg. 272	<b>1.01.0961.0</b>		<b>0962</b>  APLICAÇÃO Application / Aplicación Pg. 272	<b>1.01.0962.0</b>		<b>0965</b>  APLICAÇÃO Application / Aplicación Pg. 272	<b>1.01.0965.0</b>		<b>0969</b>  APLICAÇÃO Application / Aplicación Pg. 272	<b>1.01.0969.0</b>	
	T	11		T	10		T	9		T	9
	G	29.5		G	26.82		G	25.82		G	29
	L	61.5		L	59		L	41		L	52.5
	SPL	9		SPL	10		SPL	5		SPL	10
	ID	12		ID	12		ID	11		ID	12
	D	54.5		D	54.5		D	46		D	46.5



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>0972</b>  APLICAÇÃO Application / Aplicación Pg. 273	<b>1.01.0972.0</b>		<b>0975</b>  APLICAÇÃO Application / Aplicación Pg. 273	<b>1.01.0975.0</b>		<b>0976</b>  APLICAÇÃO Application / Aplicación Pg. 273	<b>1.01.0976.0</b>		<b>0978</b>  APLICAÇÃO Application / Aplicación Pg. 273	<b>1.01.0978.0</b>	
	T	9		T	23		T	9		T	10
	G	25.7		G	54.4		G	25.8		G	40
	L	90		L	51		L	47		L	61
	SPL	16		SPL	10		SPL	10		SPL	10
	ID	11		ID	12		ID	12		ID	12
	D	54.5		D	48.7		D	46.5		D	60
	FAM	079		FAM	047		FAM	094		FAM	117
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0983</b>  APLICAÇÃO Application / Aplicación Pg. 273	<b>1.01.0983.0</b>		<b>0989</b>  APLICAÇÃO Application / Aplicación Pg. 274	<b>1.01.0989.0</b>		<b>0990</b>  APLICAÇÃO Application / Aplicación Pg. 274	<b>1.01.0990.0</b>		<b>0997</b>  APLICAÇÃO Application / Aplicación Pg. 274	<b>1.01.0997.0</b>	
	T	10		T	9		T	10		T	9
	G	27.5		G	25.8		G	26.82		G	29.64
	L	61		L	59.5		L	55		L	49
	SPL	10		SPL	10		SPL	9		SPL	10
	ID	12		ID	12		ID	12.1		ID	12
	D	60		D	46.5		D	46.5		D	46.5
	FAM	085		FAM	084		FAM	117		FAM	094
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>0998</b>  APLICAÇÃO Application / Aplicación Pg. 274	<b>1.01.0998.0</b>		<b>0999</b>  APLICAÇÃO Application / Aplicación Pg. 274	<b>1.01.0999.0</b>		<b>1004</b>  APLICAÇÃO Application / Aplicación Pg. 274	<b>1.01.1004.0</b>		<b>1005</b>  APLICAÇÃO Application / Aplicación Pg. 275	<b>1.01.1005.0</b>	
	T	9		T	8		T	9		T	9
	G	29.64		G	23.6		G	34.8		G	34.8
	L	47		L	64		L	91		L	74
	SPL	10		SPL	6		SPL	10		SPL	10
	ID	12		ID	11.5		ID	14.26		ID	14.26
	D	46.5		D	46.5		D	60		D	60
	FAM	094		FAM	047		FAM	015		FAM	015
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário
<b>1011</b>  APLICAÇÃO Application / Aplicación Pg. 275	<b>1.01.1011.0</b>		<b>1016</b>  APLICAÇÃO Application / Aplicación Pg. 275	<b>1.01.1016.0</b>		<b>1017</b>  APLICAÇÃO Application / Aplicación Pg. 275	<b>1.01.1017.0</b>		<b>1018</b>  APLICAÇÃO Application / Aplicación Pg. 275	<b>1.01.1018.0</b>	
	T	8		T	8		T	10		T	8
	G	27.2		G	28		G	32.18		G	28.2
	L	69.5		L	75		L	75		L	75.5
	SPL	10		SPL	10		SPL	10		SPL	8
	ID	12		ID	12.5		ID	12.5		ID	12
	D	46.5		D	46.5		D	46.5		D	46.6
	FAM	101		FAM	118		FAM	118		FAM	114
	CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<div><div>1019</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 275</div></div>	<div><div>1.01.1019.0</div><div><table><tr><td>T</td><td>30</td></tr><tr><td>G</td><td>21.3</td></tr><tr><td>L</td><td>92.7</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>10.74</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>114</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	30	G	21.3	L	92.7	SPL	8	ID	10.74	D	46.5	FAM	114	CW/CCW	Anti-horário	<div><div>1020</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 275</div></div>	<div><div>1.01.1020.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28</td></tr><tr><td>L</td><td>38.5</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12.51</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>117</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	8	G	28	L	38.5	SPL	10	ID	12.51	D	46.5	FAM	117	CW/CCW	Horário	<div><div>1021</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 276</div></div>	<div><div>1.01.1021.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28</td></tr><tr><td>L</td><td>48.5</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12.5</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>117</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	8	G	28	L	48.5	SPL	10	ID	12.5	D	46.5	FAM	117	CW/CCW	Horário	<div><div>1022</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 276</div></div>	<div><div>1.01.1022.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>35.5</td></tr><tr><td>L</td><td>57.5</td></tr><tr><td>SPL</td><td>16</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>094</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	35.5	L	57.5	SPL	16	ID	12	D	54.5	FAM	094	CW/CCW	Horário
T	30																																																																						
G	21.3																																																																						
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SPL	10																																																																						
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CW/CCW	Horário																																																																						
<div><div>1023</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 276</div></div>	<div><div>1.01.1023.0</div><div><table><tr><td>T</td><td>11</td></tr><tr><td>G</td><td>29.38</td></tr><tr><td>L</td><td>54.5</td></tr><tr><td>SPL</td><td>9</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>085</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	11	G	29.38	L	54.5	SPL	9	ID	12	D	54.5	FAM	085	CW/CCW	Horário	<div><div>1024</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 276</div></div>	<div><div>1.01.1024.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>33</td></tr><tr><td>L</td><td>51.5</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>13.01</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>112</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	33	L	51.5	SPL	8	ID	13.01	D	46.5	FAM	112	CW/CCW	Horário	<div><div>1027</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 276</div></div>	<div><div>1.01.1027.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>32</td></tr><tr><td>L</td><td>75</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>14.26</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>082</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	32	L	75	SPL	10	ID	14.26	D	54.5	FAM	082	CW/CCW	Horário	<div><div>1030</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 276</div></div>	<div><div>1.01.1030.0</div><div><table><tr><td>T</td><td>11</td></tr><tr><td>G</td><td>29.5</td></tr><tr><td>L</td><td>49</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>094</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	11	G	29.5	L	49	SPL	10	ID	12	D	54.5	FAM	094	CW/CCW	Horário
T	11																																																																						
G	29.38																																																																						
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D	46.5																																																																						
FAM	112																																																																						
CW/CCW	Horário																																																																						
T	10																																																																						
G	32																																																																						
L	75																																																																						
SPL	10																																																																						
ID	14.26																																																																						
D	54.5																																																																						
FAM	082																																																																						
CW/CCW	Horário																																																																						
T	11																																																																						
G	29.5																																																																						
L	49																																																																						
SPL	10																																																																						
ID	12																																																																						
D	54.5																																																																						
FAM	094																																																																						
CW/CCW	Horário																																																																						
<div><div>1031</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 277</div></div>	<div><div>1.01.1031.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>27.94</td></tr><tr><td>L</td><td>49</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>50.5</td></tr><tr><td>FAM</td><td>094</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	27.94	L	49	SPL	10	ID	12	D	50.5	FAM	094	CW/CCW	Horário	<div><div>1033</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 277</div></div>	<div><div>1.01.1033.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>29.64</td></tr><tr><td>L</td><td>49</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>54.5</td></tr><tr><td>FAM</td><td>094</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	29.64	L	49	SPL	10	ID	12	D	54.5	FAM	094	CW/CCW	Horário	<div><div>1037</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 277</div></div>	<div><div>1.01.1037.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>27.94</td></tr><tr><td>L</td><td>49</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>094</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	27.94	L	49	SPL	10	ID	12	D	46.5	FAM	094	CW/CCW	Horário	<div><div>1038</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 277</div></div>	<div><div>1.01.1038.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>34.8</td></tr><tr><td>L</td><td>83</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>14.3</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>082</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	34.8	L	83	SPL	10	ID	14.3	D	60	FAM	082	CW/CCW	Horário
T	10																																																																						
G	27.94																																																																						
L	49																																																																						
SPL	10																																																																						
ID	12																																																																						
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CW/CCW	Horário																																																																						
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L	49																																																																						
SPL	10																																																																						
ID	12																																																																						
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G	27.94																																																																						
L	49																																																																						
SPL	10																																																																						
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FAM	094																																																																						
CW/CCW	Horário																																																																						
T	9																																																																						
G	34.8																																																																						
L	83																																																																						
SPL	10																																																																						
ID	14.3																																																																						
D	60																																																																						
FAM	082																																																																						
CW/CCW	Horário																																																																						
<div><div>1046</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 277</div></div>	<div><div>1.01.1046.0</div><div><table><tr><td>T</td><td>20</td></tr><tr><td>G</td><td>14.7</td></tr><tr><td>L</td><td>126</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>-</td></tr><tr><td>D</td><td>65</td></tr><tr><td>FAM</td><td>134</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	20	G	14.7	L	126	SPL	10	ID	-	D	65	FAM	134	CW/CCW	Horário	<div><div>1047</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 278</div></div>	<div><div>1.01.1047.0</div><div><table><tr><td>T</td><td>20</td></tr><tr><td>G</td><td>14.7</td></tr><tr><td>L</td><td>119</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>-</td></tr><tr><td>D</td><td>65</td></tr><tr><td>FAM</td><td>134</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	20	G	14.7	L	119	SPL	10	ID	-	D	65	FAM	134	CW/CCW	Horário	<div><div>1048</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 278</div></div>	<div><div>1.01.1048.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28.2</td></tr><tr><td>L</td><td>45.5</td></tr><tr><td>SPL</td><td>6</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>43.5</td></tr><tr><td>FAM</td><td>132</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	8	G	28.2	L	45.5	SPL	6	ID	12	D	43.5	FAM	132	CW/CCW	Horário	<div><div>1054</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 278</div></div>	<div><div>1.01.1054.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28</td></tr><tr><td>L</td><td>56</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	8	G	28	L	56	SPL	8	ID	12	D	46.5	FAM	047	CW/CCW	Anti-horário
T	20																																																																						
G	14.7																																																																						
L	126																																																																						
SPL	10																																																																						
ID	-																																																																						
D	65																																																																						
FAM	134																																																																						
CW/CCW	Horário																																																																						
T	20																																																																						
G	14.7																																																																						
L	119																																																																						
SPL	10																																																																						
ID	-																																																																						
D	65																																																																						
FAM	134																																																																						
CW/CCW	Horário																																																																						
T	8																																																																						
G	28.2																																																																						
L	45.5																																																																						
SPL	6																																																																						
ID	12																																																																						
D	43.5																																																																						
FAM	132																																																																						
CW/CCW	Horário																																																																						
T	8																																																																						
G	28																																																																						
L	56																																																																						
SPL	8																																																																						
ID	12																																																																						
D	46.5																																																																						
FAM	047																																																																						
CW/CCW	Anti-horário																																																																						

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1056</b>  APLICAÇÃO Application / Aplicación Pg. 278	<b>1.01.1056.0</b>		<b>1057</b>  APLICAÇÃO Application / Aplicación Pg. 278	<b>1.01.1057.0</b>		<b>1058</b>  APLICAÇÃO Application / Aplicación Pg. 278	<b>1.01.1058.0</b>		<b>1062</b>  APLICAÇÃO Application / Aplicación Pg. 279	<b>1.01.1062.0</b>	
	T	9		T	10		T	11		T	8
	G	25.8		G	27.94		G	29.5		G	28
	L	65		L	49		L	49		L	65.5
	SPL	12		SPL	10		SPL	10		SPL	9
	ID	11.51		ID	12		ID	12		ID	12.06
	D	45.5		D	54.5		D	50.5		D	46.5
	FAM	026		FAM	094		FAM	094		FAM	099
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1063</b>  APLICAÇÃO Application / Aplicación Pg. 279	<b>1.01.1063.0</b>		<b>1064</b>  APLICAÇÃO Application / Aplicación Pg. 279	<b>1.01.1064.0</b>		<b>1067</b>  APLICAÇÃO Application / Aplicación Pg. 279	<b>1.01.1067.0</b>		<b>1068</b>  APLICAÇÃO Application / Aplicación Pg. 279	<b>1.01.1068.0</b>	
	T	9		T	8		T	9		T	9
	G	35.5		G	23.92		G	25.8		G	25.8
	L	51		L	41		L	59		L	53
	SPL	8		SPL	5		SPL	10		SPL	9
	ID	13.01		ID	10.99		ID	12		ID	12.06
	D	46.5		D	46.5		D	54.5		D	46.5
	FAM	112		FAM	034		FAM	100		FAM	098
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>1069</b>  APLICAÇÃO Application / Aplicación Pg. 279	<b>1.01.1069.0</b>		<b>1070</b>  APLICAÇÃO Application / Aplicación Pg. 280	<b>1.01.1070.0</b>		<b>1071</b>  APLICAÇÃO Application / Aplicación Pg. 280	<b>1.01.1071.0</b>		<b>1072</b>  APLICAÇÃO Application / Aplicación Pg. 280	<b>1.01.1072.0</b>	
	T	10		T	9		T	10		T	9
	G	27.94		G	35.2		G	27.5		G	29.64
	L	81		L	62		L	58.5		L	62
	SPL	16		SPL	10		SPL	10		SPL	10
	ID	11		ID	12		ID	12		ID	12
	D	46.5		D	54.5		D	52.7		D	54.5
	FAM	133		FAM	100		FAM	094		FAM	100
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1073</b>  APLICAÇÃO Application / Aplicación Pg. 280	<b>1.01.1073.0</b>		<b>1074</b>  APLICAÇÃO Application / Aplicación Pg. 280	<b>1.01.1074.0</b>		<b>1088</b>  APLICAÇÃO Application / Aplicación Pg. 280	<b>1.01.1088.0</b>		<b>1090</b>  APLICAÇÃO Application / Aplicación Pg. 281	<b>1.01.1090.0</b>	
	T	9		T	10		T	11		T	10
	G	34.8		G	27.94		G	29.5		G	32.1
	L	83		L	54.5		L	60.2		L	80
	SPL	10		SPL	9		SPL	12		SPL	10
	ID	14.3		ID	12		ID	12		ID	14
	D	60		D	54.5		D	46.5		D	60
	FAM	027		FAM	085		FAM	127		FAM	046
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1097</b>  APLICAÇÃO Application / Aplicación Pg. 281	<b>1.01.1097.0</b>		<b>1104</b>  APLICAÇÃO Application / Aplicación Pg. 281	<b>1.01.1104.0</b>		<b>1107</b>  APLICAÇÃO Application / Aplicación Pg. 281	<b>1.01.1107.0</b>		<b>1108</b>  APLICAÇÃO Application / Aplicación Pg. 281	<b>1.01.1108.0</b>	
	T	10		T	9		T	10		T	9
	G	37.8		G	34.8		G	38.8		G	25.8
	L	102		L	62		L	49		L	80.5
	SPL	-		SPL	10		SPL	10		SPL	16
	CT	40		ID	12		ID	12		ID	11
	D	-		D	60		D	54.5		D	46.5
	FAM	124		FAM	013		FAM	094		FAM	133
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>1109</b>  APLICAÇÃO Application / Aplicación Pg. 281	<b>1.01.1109.0</b>		<b>1113</b>  APLICAÇÃO Application / Aplicación Pg. 282	<b>1.01.1113.0</b>		<b>1117</b>  APLICAÇÃO Application / Aplicación Pg. 282	<b>1.01.1117.0</b>		<b>1133</b>  APLICAÇÃO Application / Aplicación Pg. 282	<b>1.01.1133.0</b>	
	T	10		T	9		T	9		T	9
	G	27.94		G	29		G	25.8		G	25.8
	L	55		L	50		L	62		L	55
	SPL	10		SPL	10		SPL	10		SPL	9
	ID	12		ID	12		ID	12		ID	12.1
	D	52.7		D	48.7		D	54.3		D	46.5
	FAM	094		FAM	047		FAM	013		FAM	129
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1134</b>  APLICAÇÃO Application / Aplicación Pg. 282	<b>1.01.1134.0</b>		<b>1152</b>  APLICAÇÃO Application / Aplicación Pg. 282	<b>1.01.1152.0</b>		<b>1153</b>  APLICAÇÃO Application / Aplicación Pg. 282	<b>1.01.1153.0</b>		<b>1155</b>  APLICAÇÃO Application / Aplicación Pg. 283	<b>1.01.1155.0</b>	
	T	10		T	9		T	9		T	9
	G	27.94		G	25.4		G	25.8		G	34.8
	L	55		L	43		L	46		L	49
	SPL	9		SPL	5		SPL	10		SPL	10
	ID	12.1		ID	11		ID	12		ID	12
	D	46.5		D	46.5		D	46.5		D	50.3
	FAM	117		FAM	034		FAM	100		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1156</b>  APLICAÇÃO Application / Aplicación Pg. 283	<b>1.01.1156.0</b>		<b>1162</b>  APLICAÇÃO Application / Aplicación Pg. 283	<b>1.01.1162.0</b>		<b>1168</b>  APLICAÇÃO Application / Aplicación Pg. 283	<b>1.01.1168.0</b>		<b>1169</b>  APLICAÇÃO Application / Aplicación Pg. 283	<b>1.01.1169.0</b>	
	T	21		T	10		T	9		T	11
	G	49.7		G	32		G	36.3		G	29.5
	L	47.1		L	61		L	49		L	51
	SPL	10		SPL	9		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12.06
	D	54.5		D	54.5		D	54.5		D	48.18
	FAM	094		FAM	085		FAM	094		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1170</b>  APLICAÇÃO Application / Aplicación Pg. 283	<b>1.01.1170.0</b>		<b>1171</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.1171.0</b>		<b>1172</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.1172.0</b>		<b>1174</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.1174.0</b>	
	T	10		T	10		T	11		T	9
	G	38.8		G	26.82		G	28.8		G	35.2
	L	56		L	62		L	54		L	58.5
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	52.7		D	54.5		D	52.7		D	54.5
	FAM	094		FAM	100		FAM	094		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1177</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.1177.0</b>		<b>1184</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.0020.1</b>		<b>1187</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.0287.1</b>		<b>1188</b>  APLICAÇÃO Application / Aplicación Pg. 284	<b>1.01.0409.1</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	25.8		G	25.8		G	29.3
	L	90		L	80.5		L	55		L	68.5
	SPL	16		SPL	3		SPL	9		SPL	12
	ID	11		ID	12		ID	12		ID	12.1
	D	47.4		D	46.2		D	46.5		D	46.5
	FAM	101		FAM	020		FAM	087		FAM	083
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1189</b>  APLICAÇÃO Application / Aplicación Pg. 285	<b>1.01.0433.1</b>		<b>1192</b>  APLICAÇÃO Application / Aplicación Pg. 285	<b>1.01.0620.1</b>		<b>1193</b>  APLICAÇÃO Application / Aplicación Pg. 285	<b>1.01.0623.1</b>		<b>1194</b>  APLICAÇÃO Application / Aplicación Pg. 285	<b>1.01.0629.1</b>	
	T	9		T	10		T	9		T	10
	G	25.8		G	27.94		G	30		G	32
	L	68.5		L	47		L	47		L	85
	SPL	3		SPL	12		SPL	12		SPL	12
	ID	12		ID	12		ID	12		ID	14
	D	45.8		D	46.5		D	46.5		D	60
	FAM	017		FAM	115		FAM	115		FAM	029
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1198</b>  APLICAÇÃO Application / Aplicación Pg. 286	<b>1.01.0652.1</b>		<b>1199</b>  APLICAÇÃO Application / Aplicación Pg. 286	<b>1.01.0662.1</b>		<b>1201</b>  APLICAÇÃO Application / Aplicación Pg. 286	<b>1.01.0750.1</b>		<b>1206</b>  APLICAÇÃO Application / Aplicación Pg. 286	<b>1.01.0786.1</b>	
	T	9		T	12		T	-		T	9
	G	29.64		G	31.8		G	-		G	25.8
	L	85		L	47		L	52		L	64
	SPL	12		SPL	12		SPL	10		SPL	6
	ID	13		ID	12		CT	40		ID	11.5
	D	60		D	46.5		D	-		D	46.5
	FAM	029		FAM	115		FAM	121		FAM	038
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Familia Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1207</b>  APLICAÇÃO Application / Aplicación Pg. 286	<b>1.01.0793.1</b>	<b>1208</b>  APLICAÇÃO Application / Aplicación Pg. 286	<b>1.01.0824.1</b>	<b>1209</b>  APLICAÇÃO Application / Aplicación Pg. 287	<b>1.01.0833.1</b>	<b>1211</b>  APLICAÇÃO Application / Aplicación Pg. 287	<b>1.01.0883.1</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	CT		ID		ID		CT
	D		D		D		D
<b>1212</b>  APLICAÇÃO Application / Aplicación Pg. 287	<b>1.01.0884.1</b>	<b>1213</b>  APLICAÇÃO Application / Aplicación Pg. 287	<b>1.01.0885.1</b>	<b>1215</b>  APLICAÇÃO Application / Aplicación Pg. 287	<b>1.01.0921.1</b>	<b>1217</b>  APLICAÇÃO Application / Aplicación Pg. 287	<b>1.01.0941.1</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	CT		CT		CT		ID
	D		D		D		D
<b>1221</b>  APLICAÇÃO Application / Aplicación Pg. 288	<b>1.01.1014.1</b>	<b>1222</b>  APLICAÇÃO Application / Aplicación Pg. 288	<b>1.01.1078.1</b>	<b>1223</b>  APLICAÇÃO Application / Aplicación Pg. 288	<b>1.01.1080.1</b>	<b>1224</b>  APLICAÇÃO Application / Aplicación Pg. 288	<b>1.01.0620.2</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	CT		ID		ID		ID
	D		D		D		D
<b>1225</b>  APLICAÇÃO Application / Aplicación Pg. 288	<b>1.01.0623.2</b>	<b>1226</b>  APLICAÇÃO Application / Aplicación Pg. 288	<b>1.01.0662.2</b>	<b>1227</b>  APLICAÇÃO Application / Aplicación Pg. 289	<b>1.01.0786.2</b>	<b>1228</b>  APLICAÇÃO Application / Aplicación Pg. 289	<b>1.01.0824.2</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1351</b>  APLICAÇÃO Application / Aplicación Pg. 289	1.01.0968.3		<b>1458</b>  APLICAÇÃO Application / Aplicación Pg. 289	1.01.1458.0		<b>1467</b>  APLICAÇÃO Application / Aplicación Pg. 289	1.01.1467.0		<b>1468</b>  APLICAÇÃO Application / Aplicación Pg. 289	1.01.1468.0	
	T	10		T	11		T	8		T	9
	G	32.18		G	30.04		G	27.2		G	25.8
	L	106		L	54.5		L	66.5		L	90
	SPL	3		SPL	10		SPL	10		SPL	16
	ID	14.3		ID	12		ID	12		ID	11
	D	59.9		D	54.5		D	47.4		D	47.4
<b>1469</b>  APLICAÇÃO Application / Aplicación Pg. 290	1.01.1469.0		<b>1470</b>  APLICAÇÃO Application / Aplicación Pg. 290	1.01.1470.0		<b>1471</b>  APLICAÇÃO Application / Aplicación Pg. 290	1.01.1471.0		<b>1474</b>  APLICAÇÃO Application / Aplicación Pg. 290	1.01.1474.0	
	T	10		T	10		T	9		T	9
	G	27.94		G	33.02		G	25.8		G	25.8
	L	49		L	58.5		L	53.5		L	58.5
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
<b>1482</b>  APLICAÇÃO Application / Aplicación Pg. 290	1.01.1482.0		<b>1484</b>  APLICAÇÃO Application / Aplicación Pg. 290	1.01.1484.0		<b>1485</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1485.0		<b>1486</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1486.0	
	T	9		T	9		T	10		T	9
	G	29.6		G	25.8		G	27.94		G	29.64
	L	47		L	60		L	70		L	59
	SPL	6		SPL	6		SPL	16		SPL	10
	ID	12		ID	11.5		ID	12		ID	12
	D	46.5		D	46.5		D	50.5		D	46.5
<b>1487</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1487.0		<b>1496</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1496.0		<b>1504</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1504.0		<b>1507</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1507.0	
	T	13		T	9		T	9		T	9
	G	39.5		G	25.8		G	25.8		G	34.8
	L	59		L	84.5		L	52		L	71.5
	SPL	10		SPL	12		SPL	12		SPL	10
	ID	12		ID	12.06		ID	12.1		ID	14.26
	D	54.5		D	46.5		D	46.5		D	60.4
<b>1488</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1488.0		<b>1497</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1497.0		<b>1503</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1503.0		<b>1507</b>  APLICAÇÃO Application / Aplicación Pg. 291	1.01.1507.0	
	T	10		T	10		T	10		T	10
	G	27.94		G	33.02		G	25.8		G	34.8
	L	49		L	58.5		L	52		L	71.5
	SPL	10		SPL	10		SPL	12		SPL	10
	ID	12		ID	12.06		ID	12.1		ID	14.26
	D	46.5		D	46.5		D	46.5		D	60.4



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1509</b>  APLICAÇÃO Application / Aplicación Pg. 291	<b>1.01.1509.0</b>		<b>1516</b>  APLICAÇÃO Application / Aplicación Pg. 292	<b>1.01.1516.0</b>		<b>1518</b>  APLICAÇÃO Application / Aplicación Pg. 292	<b>1.01.1518.0</b>		<b>1532</b>  APLICAÇÃO Application / Aplicación Pg. 292	<b>1.01.1532.0</b>	
	T	8		T	10		T	9		T	8
	G	28.2		G	32.1		G	25.8		G	28
	L	52		L	90.5		L	62.5		L	61.5
	SPL	12		SPL	12		SPL	12		SPL	10
	ID	12.1		ID	14.26		ID	12		ID	12.51
	D	43.5		D	60		D	60		D	46.5
	FAM	047		FAM	039		FAM	033		FAM	117
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>1533</b>  APLICAÇÃO Application / Aplicación Pg. 292	<b>1.01.1533.0</b>		<b>1534</b>  APLICAÇÃO Application / Aplicación Pg. 292	<b>1.01.1534.0</b>		<b>1538</b>  APLICAÇÃO Application / Aplicación Pg. 292	<b>1.01.1538.0</b>		<b>1539</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1539.0</b>	
	T	9		T	9		T	10		T	12
	G	24.5		G	25.8		G	33		G	37.6
	L	41.15		L	75.2		L	64		L	46.5
	SPL	10		SPL	10		SPL	8		SPL	12
	ID	11		ID	10		ID	12		ID	12
	D	46		D	46		D	46.5		D	45.3
	FAM	089		FAM	109		FAM	110		FAM	115
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>1545</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1545.0</b>		<b>1547</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1547.0</b>		<b>1548</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1548.0</b>		<b>1550</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1550.0</b>	
	T	8		T	11		T	9		T	9
	G	27.2		G	35.4		G	29.3		G	35.5
	L	48		L	47		L	95.7		L	62
	SPL	10		SPL	10		SPL	-		SPL	10
	ID	11		ID	12		CT	61		ID	12
	D	47.4		D	47.4		D	-		D	54.5
	FAM	074		FAM	094		FAM	125		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1552</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1552.0</b>		<b>1553</b>  APLICAÇÃO Application / Aplicación Pg. 293	<b>1.01.1553.0</b>		<b>1555</b>  APLICAÇÃO Application / Aplicación Pg. 294	<b>1.01.1555.0</b>		<b>1556</b>  APLICAÇÃO Application / Aplicación Pg. 294	<b>1.01.1556.0</b>	
	T	9		T	11		T	13		T	11
	G	25.8		G	30		G	40.8		G	34.8
	L	47		L	47		L	110.5		L	38.5
	SPL	12		SPL	12		SPL	-		SPL	10
	ID	12		ID	12		CT	40		ID	12.51
	D	46.5		D	46.5		D	-		D	46.5
	FAM	115		FAM	115		FAM	124		FAM	117
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1557</b>  APLICAÇÃO Application / Aplicación Pg. 294	<b>1.01.1557.0</b>	<b>1561</b>  APLICAÇÃO Application / Aplicación Pg. 294	<b>1.01.1561.0</b>	<b>1562</b>  APLICAÇÃO Application / Aplicación Pg. 294	<b>1.01.1562.0</b>	<b>1563</b>  APLICAÇÃO Application / Aplicación Pg. 294	<b>1.01.1563.0</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D
<b>1567</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1567.0</b>	<b>1570</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1570.0</b>	<b>1574</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1574.0</b>	<b>1575</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1575.0</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D
<b>1576</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1576.0</b>	<b>1585</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1585.0</b>	<b>1588</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1588.0</b>	<b>1597</b>  APLICAÇÃO Application / Aplicación Pg. 295	<b>1.01.1597.0</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D
<b>1605</b>  APLICAÇÃO Application / Aplicación Pg. 296	<b>1.01.1605.0</b>	<b>1607</b>  APLICAÇÃO Application / Aplicación Pg. 296	<b>1.01.1607.0</b>	<b>1608</b>  APLICAÇÃO Application / Aplicación Pg. 296	<b>1.01.1608.0</b>	<b>1612</b>  APLICAÇÃO Application / Aplicación Pg. 296	<b>1.01.1612.0</b>
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1614</b>  APLICAÇÃO Application / Aplicación Pg. 296	<b>1.01.1614.0</b>		<b>1615</b>  APLICAÇÃO Application / Aplicación Pg. 296	<b>1.01.1615.0</b>		<b>1616</b>  APLICAÇÃO Application / Aplicación Pg. 297	<b>1.01.1616.0</b>		<b>1617</b>  APLICAÇÃO Application / Aplicación Pg. 297	<b>1.01.1617.0</b>	
	T	10		T	10		T	10		T	11
	G	27.5		G	39.5		G	39.5		G	34.4
	L	47		L	68		L	77		L	55.5
	SPL	6		SPL	10		SPL	10		SPL	9
	ID	12		ID	12.06		ID	14.3		ID	12.06
	D	46.5		D	60		D	60		D	46.6
	FAM	132		FAM	035		FAM	015		FAM	117
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1619</b>  APLICAÇÃO Application / Aplicación Pg. 297	<b>1.01.1619.0</b>		<b>1620</b>  APLICAÇÃO Application / Aplicación Pg. 297	<b>1.01.1620.0</b>		<b>1629</b>  APLICAÇÃO Application / Aplicación Pg. 298	<b>1.01.1629.0</b>		<b>1630</b>  APLICAÇÃO Application / Aplicación Pg. 298	<b>1.01.1630.0</b>	
	T	9		T	8		T	10		T	9
	G	25.8		G	28.2		G	27.5		G	29
	L	48		L	64		L	57.5		L	64
	SPL	16		SPL	6		SPL	16		SPL	10
	ID	11		ID	12.06		ID	12		ID	12
	D	46.5		D	43.5		D	52.5		D	54.5
	FAM	074		FAM	034		FAM	094		FAM	130
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>1631</b>  APLICAÇÃO Application / Aplicación Pg. 298	<b>1.01.1631.0</b>		<b>1632</b>  APLICAÇÃO Application / Aplicación Pg. 298	<b>1.01.1632.0</b>		<b>1635</b>  APLICAÇÃO Application / Aplicación Pg. 298	<b>1.01.1635.0</b>		<b>1642</b>  APLICAÇÃO Application / Aplicación Pg. 298	<b>1.01.1642.0</b>	
	T	10		T	10		T	9		T	12
	G	33		G	27.94		G	37.18		G	38.8
	L	60		L	80.5		L	60.9		L	56
	SPL	10		SPL	16		SPL	10		SPL	10
	ID	12		ID	14.24		ID	12.06		ID	12.06
	D	53.5		D	46.5		D	60		D	53.5
	FAM	094		FAM	062		FAM	046		FAM	094
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>1643</b>  APLICAÇÃO Application / Aplicación Pg. 299	<b>1.01.1643.0</b>		<b>1646</b>  APLICAÇÃO Application / Aplicación Pg. 299	<b>1.01.1646.0</b>		<b>1650</b>  APLICAÇÃO Application / Aplicación Pg. 299	<b>1.01.1650.0</b>		<b>1655</b>  APLICAÇÃO Application / Aplicación Pg. 299	<b>1.01.1655.0</b>	
	T	9		T	12		T	9		T	10
	G	29.64		G	37.8		G	36.3		G	27.94
	L	58		L	47		L	55		L	105.5
	SPL	16		SPL	12		SPL	10		SPL	16
	ID	12		ID	12		ID	12		ID	12
	D	54.5		D	46.5		D	52.7		D	54.5
	FAM	094		FAM	115		FAM	094		FAM	079
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1666</b>  APLICAÇÃO Application / Aplicación Pg. 299	<b>1.01.1666.0</b>		<b>1674</b>  APLICAÇÃO Application / Aplicación Pg. 299	<b>1.01.1674.0</b>		<b>1675</b>  APLICAÇÃO Application / Aplicación Pg. 300	<b>1.01.1675.0</b>		<b>1676</b>  APLICAÇÃO Application / Aplicación Pg. 300	<b>1.01.1676.0</b>	
	T	9		T	8		T	10		T	12
	G	25.8		G	23.5		G	32.95		G	37.26
	L	48.9		L	48.9		L	58.5		L	92.7
	SPL	11		SPL	11		SPL	10		SPL	-
	ID	10		ID	10		ID	12.03		CT	44
	D	46.6		D	46.6		D	52.8		D	-
	FAM	075		FAM	075		FAM	094		FAM	122
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1677</b>  APLICAÇÃO Application / Aplicación Pg. 300	<b>1.01.1677.0</b>		<b>1680</b>  APLICAÇÃO Application / Aplicación Pg. 300	<b>1.01.1680.0</b>		<b>1681</b>  APLICAÇÃO Application / Aplicación Pg. 300	<b>1.01.1681.0</b>		<b>1684</b>  APLICAÇÃO Application / Aplicación Pg. 300	<b>1.01.1684.0</b>	
	T	18		T	10		T	12		T	10
	G	12.15		G	27.94		G	32.28		G	32.6
	L	89.1		L	75		L	51.9		L	80
	SPL	6		SPL	8		SPL	8		SPL	10
	ID	-		ID	10.69		ID	12		ID	14.01
	D	45.3		D	46.5		D	46.3		D	60.5
	FAM	116		FAM	111		FAM	110		FAM	046
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1685</b>  APLICAÇÃO Application / Aplicación Pg. 301	<b>1.01.1685.0</b>		<b>1686</b>  APLICAÇÃO Application / Aplicación Pg. 301	<b>1.01.1686.0</b>		<b>1690</b>  APLICAÇÃO Application / Aplicación Pg. 301	<b>1.01.1690.0</b>		<b>1691</b>  APLICAÇÃO Application / Aplicación Pg. 301	<b>1.01.1691.0</b>	
	T	10		T	9		T	10		T	10
	G	27.94		G	24.5		G	40		G	32
	L	91		L	41.15		L	59.4		L	69.5
	SPL	16		SPL	4		SPL	10		SPL	10
	ID	11		ID	10.12		ID	12		ID	12
	D	45.8		D	46.3		D	52.9		D	52.5
	FAM	062		FAM	089		FAM	094		FAM	094
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1695</b>  APLICAÇÃO Application / Aplicación Pg. 301	<b>1.01.1695.0</b>		<b>1702</b>  APLICAÇÃO Application / Aplicación Pg. 301	<b>1.01.1702.0</b>		<b>1704</b>  APLICAÇÃO Application / Aplicación Pg. 302	<b>1.01.1704.0</b>		<b>1705</b>  APLICAÇÃO Application / Aplicación Pg. 302	<b>1.01.1705.0</b>	
	T	8		T	13		T	8		T	10
	G	28.2		G	40		G	28		G	27.5
	L	50.7		L	76.3		L	55.8		L	69.3
	SPL	8		SPL	8		SPL	4		SPL	9
	ID	12.06		ID	12		ID	12		ID	12
	D	45.2		D	46.5		D	46.7		D	54.6
	FAM	110		FAM	114		FAM	034		FAM	085
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1706</b>  APLICAÇÃO Application / Aplicación Pg. 302	<b>1.01.1706.0</b>		<b>1708</b>  APLICAÇÃO Application / Aplicación Pg. 302	<b>1.01.1708.0</b>		<b>1712</b>  APLICAÇÃO Application / Aplicación Pg. 302	<b>1.01.1712.0</b>		<b>1714</b>  APLICAÇÃO Application / Aplicación Pg. 303	<b>1.01.1714.0</b>	
	T	8		T	8		T	9		T	11
	G	28.2		G	26.8		G	25.8		G	36
	L	43		L	49		L	82.3		L	46.7
	SPL	8		SPL	10		SPL	11		SPL	12
	ID	12		ID	12		ID	11		ID	12
	D	46.5		D	46.4		D	46.6		D	45.4
	FAM	110		FAM	094		FAM	138		FAM	115
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>1715</b>  APLICAÇÃO Application / Aplicación Pg. 303	<b>1.01.1715.0</b>		<b>1716</b>  APLICAÇÃO Application / Aplicación Pg. 303	<b>1.01.1716.0</b>		<b>1717</b>  APLICAÇÃO Application / Aplicación Pg. 303	<b>1.01.1717.0</b>		<b>1718</b>  APLICAÇÃO Application / Aplicación Pg. 303	<b>1.01.1718.0</b>	
	T	9		T	10		T	10		T	11
	G	25.8		G	39.67		G	27.5		G	35.4
	L	52		L	51.5		L	51.5		L	50.5
	SPL	12		SPL	8		SPL	8		SPL	10
	ID	12.06		ID	12		ID	12		ID	12.06
	D	43.5		D	46.5		D	46.5		D	48.9
	FAM	047		FAM	112		FAM	112		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1720</b>  APLICAÇÃO Application / Aplicación Pg. 303	<b>1.01.1720.0</b>		<b>1722</b>  APLICAÇÃO Application / Aplicación Pg. 304	<b>1.01.1722.0</b>		<b>1723</b>  APLICAÇÃO Application / Aplicación Pg. 304	<b>1.01.1723.0</b>		<b>1727</b>  APLICAÇÃO Application / Aplicación Pg. 304	<b>1.01.1727.0</b>	
	T	9		T	18		T	18		T	10
	G	29.64		G	12.7		G	12.7		G	31.8
	L	47.9		L	102		L	102		L	56
	SPL	10		SPL	-		SPL	-		SPL	8
	ID	11		CT	40		CT	40		ID	12.06
	D	45.8		D	-		D	-		D	46.5
	FAM	075		FAM	124		FAM	124		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>1734</b>  APLICAÇÃO Application / Aplicación Pg. 304	<b>1.01.1734.0</b>		<b>1735</b>  APLICAÇÃO Application / Aplicación Pg. 304	<b>1.01.1735.0</b>		<b>1740</b>  APLICAÇÃO Application / Aplicación Pg. 305	<b>1.01.1740.0</b>		<b>1741</b>  APLICAÇÃO Application / Aplicación Pg. 305	<b>1.01.1741.0</b>	
	T	9		T	8		T	12		T	10
	G	29.6		G	23.92		G	31.8		G	27.94
	L	64.2		L	41.2		L	47.95		L	80.4
	SPL	5		SPL	4		SPL	10		SPL	11
	ID	11		ID	10.12		ID	11		ID	11
	D	43.7		D	46.8		D	48.7		D	46.6
	FAM	034		FAM	089		FAM	074		FAM	138
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1745</b>  APLICAÇÃO Application / Aplicación Pg. 305	<b>1.01.1745.0</b>		<b>1752</b>  APLICAÇÃO Application / Aplicación Pg. 305	<b>1.01.1752.0</b>		<b>1755</b>  APLICAÇÃO Application / Aplicación Pg. 305	<b>1.01.1755.0</b>		<b>1756</b>  APLICAÇÃO Application / Aplicación Pg. 306	<b>1.01.1756.0</b>	
	T	9		T	9		T	9		T	10
	G	25.8		G	25.82		G	25.82		G	28.15
	L	40.5		L	45.5		L	41.15		L	45.5
	SPL	8		SPL	10		SPL	4		SPL	10
	ID	12		ID	12		ID	10.1		ID	12
	D	46.5		D	48.9		D	46.3		D	48.9
	FAM	117		FAM	047		FAM	089		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1757</b>  APLICAÇÃO Application / Aplicación Pg. 306	<b>1.01.1757.0</b>		<b>1758</b>  APLICAÇÃO Application / Aplicación Pg. 306	<b>1.01.1758.0</b>		<b>1759</b>  APLICAÇÃO Application / Aplicación Pg. 306	<b>1.01.1759.0</b>		<b>1761</b>  APLICAÇÃO Application / Aplicación Pg. 306	<b>1.01.1761.0</b>	
	T	11		T	11		T	9		T	10
	G	30		G	29.38		G	29.6		G	27.94
	L	48		L	45		L	75		L	51
	SPL	10		SPL	8		SPL	5		SPL	8
	ID	11		ID	12		ID	11		ID	12
	D	47.4		D	48.9		D	41.5		D	46.5
	FAM	074		FAM	047		FAM	050		FAM	110
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1762</b>  APLICAÇÃO Application / Aplicación Pg. 306	<b>1.01.1762.0</b>		<b>1763</b>  APLICAÇÃO Application / Aplicación Pg. 307	<b>1.01.1763.0</b>		<b>1764</b>  APLICAÇÃO Application / Aplicación Pg. 307	<b>1.01.1764.0</b>		<b>1765</b>  APLICAÇÃO Application / Aplicación Pg. 307	<b>1.01.1765.0</b>	
	T	10		T	9		T	11		T	9
	G	27.94		G	25.82		G	34.5		G	29.64
	L	44		L	41.15		L	50.7		L	45.8
	SPL	10		SPL	5		SPL	8		SPL	10
	ID	12.5		ID	11.02		ID	12		ID	12
	D	46.5		D	46.3		D	45.3		D	48.9
	FAM	117		FAM	089		FAM	110		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1768</b>  APLICAÇÃO Application / Aplicación Pg. 307	<b>1.01.1768.0</b>		<b>1770</b>  APLICAÇÃO Application / Aplicación Pg. 307	<b>1.01.1770.0</b>		<b>1771</b>  APLICAÇÃO Application / Aplicación Pg. 308	<b>1.01.1771.0</b>		<b>1774</b>  APLICAÇÃO Application / Aplicación Pg. 308	<b>1.01.1774.0</b>	
	T	12		T	11		T	8		T	13
	G	37.8		G	34.8		G	28.2		G	34
	L	87.15		L	40.1		L	51		L	51.7
	SPL	4		SPL	8		SPL	8		SPL	8
	ID	10		ID	12		ID	12		ID	12
	D	48.9		D	46.5		D	46.5		D	46.5
	FAM	109		FAM	110		FAM	110		FAM	112
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1775</b>    APLICAÇÃO Application / Aplicación Pg. 308	<b>1.01.1775.0</b>		<b>1776</b>    APLICAÇÃO Application / Aplicación Pg. 308	<b>1.01.1776.0</b>		<b>1777</b>    APLICAÇÃO Application / Aplicación Pg. 308	<b>1.01.1777.0</b>		<b>1778</b>    APLICAÇÃO Application / Aplicación Pg. 308	<b>1.01.1778.0</b>	
	T	8		T	9		T	10		T	8
	G	28.2		G	28		G	27.94		G	28.2
	L	43.6		L	45.13		L	55.8		L	55.8
	SPL	8		SPL	8		SPL	8		SPL	8
	ID	12		ID	12		ID	12		ID	12
	D	46.5		D	48.9		D	45.5		D	45.5
<b>1779</b>    APLICAÇÃO Application / Aplicación Pg. 309	<b>1.01.1779.0</b>		<b>1780</b>    APLICAÇÃO Application / Aplicación Pg. 309	<b>1.01.1780.0</b>		<b>1781</b>    APLICAÇÃO Application / Aplicación Pg. 309	<b>1.01.1781.0</b>		<b>1784</b>    APLICAÇÃO Application / Aplicación Pg. 309	<b>1.01.1784.0</b>	
	T	10		T	10		T	10		T	10
	G	27.94		G	39.15		G	27.94		G	37.8
	L	38.6		L	95.3		L	48.2		L	89
	SPL	10		SPL	-		SPL	8		SPL	6
	ID	12.51		CT	41		ID	12		ID	15.01
	D	46.5		D	-		D	46.5		D	60
<b>1787</b>    APLICAÇÃO Application / Aplicación Pg. 309	<b>1.01.1787.0</b>		<b>1788</b>    APLICAÇÃO Application / Aplicación Pg. 309	<b>1.01.1788.0</b>		<b>1790</b>    APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1790.0</b>		<b>1791</b>    APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1791.0</b>	
	T	9		T	11		T	9		T	10
	G	29.6		G	35		G	36.3		G	28.15
	L	43.3		L	43.3		L	49.5		L	44.2
	SPL	8		SPL	8		SPL	10		SPL	4
	ID	12		ID	12		ID	12.1		ID	10.12
	D	46.5		D	46.5		D	50.5		D	46.4
<b>1794</b>    APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1794.0</b>		<b>1797</b>    APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1797.0</b>		<b>1799</b>    APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1799.0</b>		<b>1800</b>    APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1800.0</b>	
	T	11		T	8		T	10		T	8
	G	34.8		G	28.2		G	32		G	28.2
	L	48.3		L	60		L	45		L	48.5
	SPL	6		SPL	12		SPL	8		SPL	6
	ID	12		ID	12.06		ID	12		ID	12
	D	46.1		D	43.5		D	46.6		D	46.5

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1801</b>  APLICAÇÃO Application / Aplicación Pg. 310	<b>1.01.1801.0</b>		<b>1803</b>  APLICAÇÃO Application / Aplicación Pg. 311	<b>1.01.1803.0</b>		<b>1808</b>  APLICAÇÃO Application / Aplicación Pg. 311	<b>1.01.1808.0</b>		<b>1812</b>  APLICAÇÃO Application / Aplicación Pg. 311	<b>1.01.1812.0</b>	
	T	8		T	13		T	26		T	11
	G	23.46		G	34.65		G	19.02		G	29.38
	L	43.8		L	97.85		L	140.2		L	45
	SPL	12		SPL	16		SPL	6		SPL	10
	ID	10.69		ID	-		ID	-		ID	12
	D	45.3		D	45.8		D	71.9		D	48.9
	FAM	034		FAM	151		FAM	128		FAM	047
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>1813</b>  APLICAÇÃO Application / Aplicación Pg. 311	<b>1.01.1813.0</b>		<b>1814</b>  APLICAÇÃO Application / Aplicación Pg. 311			<b>1816</b>  APLICAÇÃO Application / Aplicación Pg. 312	<b>1.01.1816.0</b>		<b>1820</b>  APLICAÇÃO Application / Aplicación Pg. 312		
	T	9		T	10		T	9		T	10
	G	29.64		G	27.94		G	34.1		G	26.82
	L	43.5		L	80.5		L	43.5		L	57.8
	SPL	10		SPL	16		SPL	10		SPL	12
	ID	11.02		ID	11		ID	11.08		ID	12
	D	45.9		D	50.5		D	45.9		D	45.3
	FAM	143		FAM	079		FAM	143		FAM	115
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>1822</b>  APLICAÇÃO Application / Aplicación Pg. 312	<b>1.01.1822.0</b>		<b>1823</b>  APLICAÇÃO Application / Aplicación Pg. 312	<b>1.01.1823.0</b>		<b>1824</b>  APLICAÇÃO Application / Aplicación Pg. 312	<b>1.01.1824.0</b>		<b>1825</b>  APLICAÇÃO Application / Aplicación Pg. 312	<b>1.01.1825.0</b>	
	T	11		T	10		T	13		T	8
	G	29.3		G	27.94		G	34.65		G	27.6
	L	51		L	90.8		L	87.3		L	41.15
	SPL	10		SPL	16		SPL	4		SPL	4
	ID	12		ID	11		ID	10		ID	10.12
	D	46.5		D	50.5		D	48.9		D	46.3
	FAM	086		FAM	079		FAM	109		FAM	089
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>1826</b>  APLICAÇÃO Application / Aplicación Pg. 313	<b>1.01.1826.0</b>		<b>1827</b>  APLICAÇÃO Application / Aplicación Pg. 313	<b>1.01.1827.0</b>		<b>1830</b>  APLICAÇÃO Application / Aplicación Pg. 313	<b>1.01.1830.0</b>		<b>1838</b>  APLICAÇÃO Application / Aplicación Pg. 314	<b>1.01.1838.0</b>	
	T	13		T	11		T	12		T	10
	G	34.4		G	40		G	44.9		G	32.18
	L	98		L	146.3		L	146.3		L	45.4
	SPL	16		SPL	-		SPL	-		SPL	8
	ID	14.25		CT	35		CT	35		ID	12.06
	D	50.7		D	-		D	-		D	48.7
	FAM	159		FAM	144		FAM	144		FAM	047
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario













<b>1839</b>  APLICAÇÃO Application / Aplicación Pg. 314	<b>1.01.1839.0</b>		<b>1841</b>  APLICAÇÃO Application / Aplicación Pg. 314	<b>1.01.1841.0</b>		<b>1847</b>  APLICAÇÃO Application / Aplicación Pg. 314	<b>1.01.1847.0</b>		<b>1848</b>  APLICAÇÃO Application / Aplicación Pg. 314	<b>1.01.1848.0</b>	
	T	8		T	10		T	8		T	9
	G	28.2		G	32		G	28.2		G	25.8
	L	51.5		L	43.5		L	40		L	55.1
	SPL	10		SPL	10		SPL	8		SPL	10
	ID	12		ID	11.02		ID	12		ID	12
	D	46.5		D	45.9		D	46.5		D	46.5
	FAM	047		FAM	143		FAM	117		FAM	089
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1849</b>  APLICAÇÃO Application / Aplicación Pg. 315			<b>1855</b>  APLICAÇÃO Application / Aplicación Pg. 315			<b>1856</b>  APLICAÇÃO Application / Aplicación Pg. 315	<b>1.01.1856.0</b>		<b>1857</b>  APLICAÇÃO Application / Aplicación Pg. 315	<b>1.01.1857.0</b>	
	T	9		T	10		T	11		T	9
	G	29.64		G	39		G	27.5		G	35.5
	L	110.7		L	49.2		L	90.8		L	50.8
	SPL	6		SPL	10		SPL	16		SPL	10
	ID	11		ID	12		ID	11		ID	12.06
	D	45.3		D	50.8		D	50.5		D	46.5
	FAM	155		FAM	094		FAM	079		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>1861</b>  APLICAÇÃO Application / Aplicación Pg. 315	<b>1.01.1861.0</b>		<b>1862</b>  APLICAÇÃO Application / Aplicación Pg. 315	<b>1.01.1862.0</b>		<b>1863</b>  APLICAÇÃO Application / Aplicación Pg. 316	<b>1.01.1863.0</b>		<b>1864</b>  APLICAÇÃO Application / Aplicación Pg. 316	<b>1.01.1864.0</b>	
	T	9		T	9		T	9		T	9
	G	33		G	36		G	29.64		G	29.64
	L	95.3		L	95.3		L	83		L	110.5
	SPL	-		SPL	-		SPL	-		SPL	-
	CT	41		CT	41		CT	40		CT	40
	D	-		D	-		D	-		D	-
	FAM	145		FAM	145		FAM	124		FAM	124
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1871</b>  APLICAÇÃO Application / Aplicación Pg. 316	<b>1.01.1871.0</b>		<b>1872</b>  APLICAÇÃO Application / Aplicación Pg. 316	<b>1.01.1872.0</b>		<b>1873</b>  APLICAÇÃO Application / Aplicación Pg. 316	<b>1.01.1873.0</b>		<b>1875</b>  APLICAÇÃO Application / Aplicación Pg. 316	<b>1.01.1875.0</b>	
	T	11		T	11		T	8		T	9
	G	34.4		G	34.8		G	28.2		G	29.6
	L	46.9		L	46.9		L	60.1		L	85.7
	SPL	6		SPL	8		SPL	10		SPL	-
	ID	12.06		ID	12.06		ID	12		ID	-
	D	45.5		D	48.7		D	44.7		D	45.3
	FAM	115		FAM	030		FAM	047		FAM	146
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1876</b>  APLICAÇÃO Application / Aplicación Pg. 317	<b>1.01.1876.0</b>		<b>1877</b>  APLICAÇÃO Application / Aplicación Pg. 317			<b>1879</b>  APLICAÇÃO Application / Aplicación Pg. 317	<b>1.01.1879.0</b>		<b>1882</b>  APLICAÇÃO Application / Aplicación Pg. 317		
	T	11		T	10		T	11		T	9
	G	34.5		G	27.8		G	29.7		G	25.8
	L	42.5		L	81.2		L	85.7		L	49
	SPL	8		SPL	-		SPL	-		SPL	10
	ID	12		ID	-		ID	-		ID	12
	D	46.5		D	44.2		D	45.3		D	53.5
	FAM	110		FAM	146		FAM	146		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1884</b>  APLICAÇÃO Application / Aplicación Pg. 317			<b>1886</b>  APLICAÇÃO Application / Aplicación Pg. 318			<b>1887</b>  APLICAÇÃO Application / Aplicación Pg. 318			<b>1888</b>  APLICAÇÃO Application / Aplicación Pg. 318		
	T	11		T	10		T	9		T	9
	G	39		G	27.5		G	29.64		G	35.5
	L	50.5		L	50.6		L	50		L	136
	SPL	10		SPL	6		SPL	10		SPL	6
	ID	12		ID	12.06		ID	11.02		ID	15.1
	D	49		D	48.7		D	45.9		D	64.6
	FAM	047		FAM	047		FAM	143		FAM	148
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1890</b>  APLICAÇÃO Application / Aplicación Pg. 318			<b>1891</b>  APLICAÇÃO Application / Aplicación Pg. 318			<b>1893</b>  APLICAÇÃO Application / Aplicación Pg. 319			<b>1895</b>  APLICAÇÃO Application / Aplicación Pg. 319		
	T	10		T	10		T	11		T	8
	G	28.36		G	28.36		G	29.35		G	24.7
	L	81.8		L	89		L	81		L	75
	SPL	10		SPL	10		SPL	4		SPL	5
	ID	12.06		ID	12.06		ID	12		ID	11
	D	48.7		D	48.7		D	49.8		D	41.5
	FAM	149		FAM	149		FAM	109		FAM	050
	CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário
<b>1899</b>  APLICAÇÃO Application / Aplicación Pg. 319			<b>1902</b>  APLICAÇÃO Application / Aplicación Pg. 319			<b>1903</b>  APLICAÇÃO Application / Aplicación Pg. 319			<b>1904</b>  APLICAÇÃO Application / Aplicación Pg. 319		
	T	10		T	11		T	9		T	30
	G	32		G	30		G	30.8		G	21.3
	L	48		L	43.5		L	51		L	89.5
	SPL	10		SPL	10		SPL	8		SPL	8
	ID	11		ID	11.02		ID	13.01		ID	11
	D	46.5		D	45.9		D	46.5		D	46.5
	FAM	074		FAM	143		FAM	110		FAM	114
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1905</b>  APLICAÇÃO Application / Aplicación Pg. 320	T	11	<b>1906</b>  APLICAÇÃO Application / Aplicación Pg. 320	T	30	<b>1908</b>  APLICAÇÃO Application / Aplicación Pg. 320	T	10	<b>1909</b>  APLICAÇÃO Application / Aplicación Pg. 320	T	10
	G	34.8		G	21.3		G	29.64		G	27.5
	L	133.5		L	90.6		L	52		L	42.5
	SPL	-		SPL	8		SPL	10		SPL	8
	CT	40		ID	11		ID	12		ID	12
	D	-		D	46.5		D	46.5		D	46.5
	FAM	124		FAM	114		FAM	094		FAM	110
CW/CCW		Anti-horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário
<b>1910</b>  APLICAÇÃO Application / Aplicación Pg. 320	T	11	<b>1911</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	13	<b>1912</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	10	<b>1913</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	11
	G	29.2		G	34.5		G	27.94		G	30.05
	L	81.2		L	39.8		L	36.3		L	36.3
	SPL	4		SPL	8		SPL	8		SPL	8
	ID	12		ID	10.03		ID	10.03		ID	10.03
	D	48.9		D	46.3		D	43.6		D	43.6
	FAM	109		FAM	117		FAM	117		FAM	117
CW/CCW		Anti-horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário
<b>1915</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	12	<b>1916</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	10	<b>1920</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	10	<b>1921</b>  APLICAÇÃO Application / Aplicación Pg. 321	T	20
	G	32.5		G	31.7		G	27.94		G	14.7
	L	45		L	36.6		L	103		L	110
	SPL	10		SPL	8		SPL	16		SPL	5
	ID	12		ID	12		ID	12		ID	-
	D	47.8		D	46.5		D	50.5		D	60.5
	FAM	089		FAM	110		FAM	079		FAM	128
CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Anti-horário	CW/CCW		Horário
<b>1922</b>  APLICAÇÃO Application / Aplicación Pg. 322	T	17	<b>1923</b>  APLICAÇÃO Application / Aplicación Pg. 322	T	10	<b>1924</b>  APLICAÇÃO Application / Aplicación Pg. 322	T	11	<b>1925</b>  APLICAÇÃO Application / Aplicación Pg. 322	T	8
	G	41.8		G	27.94		G	34.4		G	27.2
	L	64.1		L	40		L	65.8		L	44.5
	SPL	4		SPL	8		SPL	10		SPL	5
	ID	12		ID	12		ID	14.26		ID	11
	D	46.5		D	46.5		D	54.6		D	46.1
	FAM	161		FAM	117		FAM	046		FAM	047
CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1926</b>  APLICAÇÃO Application / Aplicación Pg. 322	T	11	<b>1927</b>  APLICAÇÃO Application / Aplicación Pg. 322	T	9	<b>1930</b>  APLICAÇÃO Application / Aplicación Pg. 323	T	9	<b>1932</b>  APLICAÇÃO Application / Aplicación Pg. 323	T	11
	G	29.2		G	29.64		G	29.3		G	29.6
	L	91		L	48.2		L	82		L	51.8
	SPL	9		SPL	16		SPL	8		SPL	10
	ID	12.06		ID	11		ID	12		ID	12
	D	54.5		D	45.8		D	48.9		D	46.5
	FAM	085		FAM	074		FAM	109		FAM	094
CW/CCW		Anti-horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário
<b>1933</b>  APLICAÇÃO Application / Aplicación Pg. 323	T	11	<b>1934</b>  APLICAÇÃO Application / Aplicación Pg. 323	T	13	<b>1935</b>  APLICAÇÃO Application / Aplicación Pg. 323	T	15	<b>1938</b>  APLICAÇÃO Application / Aplicación Pg. 324	T	13
	G	29.3		G	34.65		G	38.2		G	34.55
	L	50.7		L	96.5		L	58.5		L	58.4
	SPL	8		SPL	4		SPL	10		SPL	16
	ID	12		ID	12		ID	11.02		ID	11
	D	45.3		D	49.8		D	45.6		D	47.4
	FAM	110		FAM	158		FAM	162		FAM	074
CW/CCW		Horário	CW/CCW		Anti-horário	CW/CCW		Horário	CW/CCW		Horário
<b>1939</b>  APLICAÇÃO Application / Aplicación Pg. 324	T	13	<b>1942</b>  APLICAÇÃO Application / Aplicación Pg. 324	T	12	<b>1943</b>  APLICAÇÃO Application / Aplicación Pg. 324	T	11	<b>1945</b>  APLICAÇÃO Application / Aplicación Pg. 325	T	9
	G	34.55		G	31.8		G	35.4		G	29.6
	L	51.4		L	43.5		L	51.5		L	51
	SPL	16		SPL	10		SPL	10		SPL	8
	ID	11		ID	11.02		ID	11.02		ID	12
	D	47.4		D	45.9		D	45.9		D	46.5
	FAM	074		FAM	143		FAM	143		FAM	110
CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Anti-horário
<b>1947</b>  APLICAÇÃO Application / Aplicación Pg. 325	T	-	<b>1949</b>  APLICAÇÃO Application / Aplicación Pg. 325	T	10	<b>1950</b>  APLICAÇÃO Application / Aplicación Pg. 325	T	8	<b>1957</b>  APLICAÇÃO Application / Aplicación Pg. 325	T	11
	G	-		G	27.94		G	28		G	29.3
	L	53.5		L	42		L	42.2		L	102
	SPL	11		SPL	8		SPL	8		SPL	-
	CT	41		ID	12		ID	12		CT	40
	D	-		D	46.5		D	46.5		D	-
	FAM	120		FAM	117		FAM	117		FAM	124
CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário	CW/CCW		Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1958</b>  APLICAÇÃO Application / Aplicación Pg. 326	T	11	<b>1959</b>  APLICAÇÃO Application / Aplicación Pg. 326	T	10	<b>1962</b>  APLICAÇÃO Application / Aplicación Pg. 326	T	11	<b>1963</b>  APLICAÇÃO Application / Aplicación Pg. 326	T	9
	G	34.4		G	32.6		G	40		G	25.8
	L	83		L	46.9		L	146.3		L	60.5
	SPL	-		SPL	6		SPL	-		SPL	9
	CT	40		ID	12		CT	35		ID	12
	D	-		D	46.5		D	-		D	46.5
	FAM	124		FAM	034		FAM	144		FAM	087
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>1964</b>  APLICAÇÃO Application / Aplicación Pg. 326	T	11	<b>1965</b>  APLICAÇÃO Application / Aplicación Pg. 326	T	12	<b>1966</b>  APLICAÇÃO Application / Aplicación Pg. 327	T	12	<b>1967</b>  APLICAÇÃO Application / Aplicación Pg. 327	T	10
	G	34.8		G	36.8		G	37.1		G	27.8
	L	85.7		L	58.3		L	85.7		L	85.7
	SPL	-		SPL	16		SPL	-		SPL	-
	ID	-		ID	11		ID	-		ID	-
	D	45.3		D	45.3		D	45.3		D	45.3
	FAM	146		FAM	164		FAM	146		FAM	146
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1968</b>  APLICAÇÃO Application / Aplicación Pg. 327	T	13	<b>1969</b>  APLICAÇÃO Application / Aplicación Pg. 327	T	10	<b>1970</b>  APLICAÇÃO Application / Aplicación Pg. 327	T	10	<b>1974</b>  APLICAÇÃO Application / Aplicación Pg. 327	T	15
	G	34.55		G	32.8		G	27.94		G	38.2
	L	91.7		L	91.7		L	53.5		L	93.2
	SPL	-		SPL	-		SPL	5		SPL	-
	ID	-		ID	-		ID	11		ID	-
	D	45.3		D	45.3		D	43.5		D	44.2
	FAM	146		FAM	146		FAM	047		FAM	146
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1975</b>  APLICAÇÃO Application / Aplicación Pg. 328	T	11	<b>1976</b>  APLICAÇÃO Application / Aplicación Pg. 328	T	9	<b>1977</b>  APLICAÇÃO Application / Aplicación Pg. 328	T	9	<b>1978</b>  APLICAÇÃO Application / Aplicación Pg. 328	T	11
	G	34.7		G	25.9		G	29.64		G	27.5
	L	58.3		L	44		L	56.5		L	92.8
	SPL	16		SPL	8		SPL	9		SPL	16
	ID	11		ID	12		ID	12		ID	11
	D	45.3		D	46.5		D	46.5		D	45.8
	FAM	164		FAM	047		FAM	117		FAM	062
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário



T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>1981</b>  APLICAÇÃO Application / Aplicación Pg. 328	T	12	<b>1982</b>  APLICAÇÃO Application / Aplicación Pg. 329	T	12	<b>1983</b>  APLICAÇÃO Application / Aplicación Pg. 329	T	11	<b>1984</b>  APLICAÇÃO Application / Aplicación Pg. 329	T	13
	G	32.28		G	32.28		G	35		G	34.55
	L	51.4		L	51.4		L	58.4		L	58.4
	SPL	16		SPL	16		SPL	16		SPL	16
	ID	11		ID	11		ID	11		ID	11
	D	45.3		D	47.4		D	47.4		D	47.4
	FAM	074		FAM	074		FAM	164		FAM	074
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1985</b>  APLICAÇÃO Application / Aplicación Pg. 329	T	13	<b>1986</b>  APLICAÇÃO Application / Aplicación Pg. 329	T	11	<b>1989</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	10	<b>1993</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	10
	G	34.65		G	35.5		G	27.94		G	27.94
	L	93.2		L	58.3		L	48.8		L	83
	SPL	16		SPL	16		SPL	8		SPL	16
	ID	11		ID	11		ID	12		ID	14.24
	D	45.3		D	45.3		D	46.5		D	45.8
	FAM	151		FAM	164		FAM	117		FAM	062
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1995</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	22	<b>1996</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	18	<b>1997</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	10	<b>2000</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	20
	G	17.8		G	18.6		G	27.94		G	14.7
	L	108		L	128.9		L	44		L	91
	SPL	5		SPL	5		SPL	6		SPL	5
	ID	-		ID	-		ID	12		ID	-
	D	64.6		D	72.2		D	45.5		D	54.6
	FAM	128		FAM	128		FAM	030		FAM	128
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>2001</b>  APLICAÇÃO Application / Aplicación Pg. 330	T	9	<b>2005</b>  APLICAÇÃO Application / Aplicación Pg. 331	T	12	<b>2006</b>  APLICAÇÃO Application / Aplicación Pg. 331	T	12	<b>2009</b>  APLICAÇÃO Application / Aplicación Pg. 331	T	9
	G	25.82		G	29.2		G	29.2		G	29.64
	L	41.2		L	81.7		L	87.7		L	52
	SPL	4		SPL	4		SPL	4		SPL	14
	ID	10.12		ID	12		ID	12		ID	12
	D	46.3		D	48.9		D	48.9		D	53.5
	FAM	089		FAM	109		FAM	109		FAM	091
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Horário

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Ø da Bucha (mm) Pinon I.D. Pinón - Ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	Ø da Capa (mm) Drive O.D. Ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<div><div></div><div>2016</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 332</div></div> <table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>27.94</td></tr><tr><td>L</td><td>82.3</td></tr><tr><td>SPL</td><td>16</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>079</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table>	T	10	G	27.94	L	82.3	SPL	16	ID	11	D	46.5	FAM	079	CW/CCW	Anti-horário	<div><div></div><div>2019</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 332</div></div> <table><tr><td>T</td><td>12</td></tr><tr><td>G</td><td>37.1</td></tr><tr><td>L</td><td>64.4</td></tr><tr><td>SPL</td><td>16</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>47.4</td></tr><tr><td>FAM</td><td>164</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	12	G	37.1	L	64.4	SPL	16	ID	11	D	47.4	FAM	164	CW/CCW	Horário	<div><div></div><div>2022</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 332</div></div> <table><tr><td>T</td><td>12</td></tr><tr><td>G</td><td>31.8</td></tr><tr><td>L</td><td>52</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>13.01</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>112</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	12	G	31.8	L	52	SPL	8	ID	13.01	D	46.5	FAM	112	CW/CCW	Horário	<div><div></div><div>2023</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 332</div></div> <table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>27.2</td></tr><tr><td>L</td><td>44.3</td></tr><tr><td>SPL</td><td>5</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>46.3</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	8	G	27.2	L	44.3	SPL	5	ID	11	D	46.3	FAM	047	CW/CCW	Horário
T	10																																																																		
G	27.94																																																																		
L	82.3																																																																		
SPL	16																																																																		
ID	11																																																																		
D	46.5																																																																		
FAM	079																																																																		
CW/CCW	Anti-horário																																																																		
T	12																																																																		
G	37.1																																																																		
L	64.4																																																																		
SPL	16																																																																		
ID	11																																																																		
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CW/CCW	Horário																																																																		
T	12																																																																		
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L	52																																																																		
SPL	8																																																																		
ID	13.01																																																																		
D	46.5																																																																		
FAM	112																																																																		
CW/CCW	Horário																																																																		
T	8																																																																		
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D	46.3																																																																		
FAM	047																																																																		
CW/CCW	Horário																																																																		
<div><div></div><div>2024</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 332</div></div> <table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>31.8</td></tr><tr><td>L</td><td>55.1</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>48.8</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	10	G	31.8	L	55.1	SPL	10	ID	12	D	48.8	FAM	047	CW/CCW	Horário	<div><div></div><div>2025</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 332</div></div> <table><tr><td>T</td><td>13</td></tr><tr><td>G</td><td>34</td></tr><tr><td>L</td><td>65</td></tr><tr><td>SPL</td><td>12</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>112</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	13	G	34	L	65	SPL	12	ID	12	D	46.5	FAM	112	CW/CCW	Horário	<div><div></div><div>2026</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 333</div></div> <table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28</td></tr><tr><td>L</td><td>63</td></tr><tr><td>SPL</td><td>6</td></tr><tr><td>ID</td><td>11.51</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	8	G	28	L	63	SPL	6	ID	11.51	D	46.5	FAM	047	CW/CCW	Horário	<div><div></div><div>2028</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 333</div></div> <table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>27.5</td></tr><tr><td>L</td><td>44</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	9	G	27.5	L	44	SPL	8	ID	12	D	46.5	FAM	047	CW/CCW	Horário
T	10																																																																		
G	31.8																																																																		
L	55.1																																																																		
SPL	10																																																																		
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FAM	047																																																																		
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T	13																																																																		
G	34																																																																		
L	65																																																																		
SPL	12																																																																		
ID	12																																																																		
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FAM	112																																																																		
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T	8																																																																		
G	28																																																																		
L	63																																																																		
SPL	6																																																																		
ID	11.51																																																																		
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CW/CCW	Horário																																																																		
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G	27.5																																																																		
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ID	12																																																																		
D	46.5																																																																		
FAM	047																																																																		
CW/CCW	Horário																																																																		
<div><div></div><div>2030</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 333</div></div> <table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>32.8</td></tr><tr><td>L</td><td>104</td></tr><tr><td>SPL</td><td>-</td></tr><tr><td>CT</td><td>40</td></tr><tr><td>D</td><td>-</td></tr><tr><td>FAM</td><td>124</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	10	G	32.8	L	104	SPL	-	CT	40	D	-	FAM	124	CW/CCW	Horário	<div><div></div><div>2031</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 333</div></div> <table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>35.5</td></tr><tr><td>L</td><td>83</td></tr><tr><td>SPL</td><td>-</td></tr><tr><td>CT</td><td>40</td></tr><tr><td>D</td><td>-</td></tr><tr><td>FAM</td><td>124</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	9	G	35.5	L	83	SPL	-	CT	40	D	-	FAM	124	CW/CCW	Horário	<div><div></div><div>2032</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 333</div></div> <table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>29.64</td></tr><tr><td>L</td><td>93.5</td></tr><tr><td>SPL</td><td>-</td></tr><tr><td>CT</td><td>40</td></tr><tr><td>D</td><td>-</td></tr><tr><td>FAM</td><td>124</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	9	G	29.64	L	93.5	SPL	-	CT	40	D	-	FAM	124	CW/CCW	Horário	<div><div></div><div>2033</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 333</div></div> <table><tr><td>T</td><td>11</td></tr><tr><td>G</td><td>33.5</td></tr><tr><td>L</td><td>58</td></tr><tr><td>SPL</td><td>16</td></tr><tr><td>ID</td><td>11</td></tr><tr><td>D</td><td>47.4</td></tr><tr><td>FAM</td><td>074</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	11	G	33.5	L	58	SPL	16	ID	11	D	47.4	FAM	074	CW/CCW	Horário
T	10																																																																		
G	32.8																																																																		
L	104																																																																		
SPL	-																																																																		
CT	40																																																																		
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FAM	124																																																																		
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T	9																																																																		
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L	83																																																																		
SPL	-																																																																		
CT	40																																																																		
D	-																																																																		
FAM	124																																																																		
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T	9																																																																		
G	29.64																																																																		
L	93.5																																																																		
SPL	-																																																																		
CT	40																																																																		
D	-																																																																		
FAM	124																																																																		
CW/CCW	Horário																																																																		
T	11																																																																		
G	33.5																																																																		
L	58																																																																		
SPL	16																																																																		
ID	11																																																																		
D	47.4																																																																		
FAM	074																																																																		
CW/CCW	Horário																																																																		
<div><div></div><div>2034</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 334</div></div> <table><tr><td>T</td><td>13</td></tr><tr><td>G</td><td>40.8</td></tr><tr><td>L</td><td>94.6</td></tr><tr><td>SPL</td><td>5</td></tr><tr><td>ID</td><td>-</td></tr><tr><td>D</td><td>45.9</td></tr><tr><td>FAM</td><td>166</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table>	T	13	G	40.8	L	94.6	SPL	5	ID	-	D	45.9	FAM	166	CW/CCW	Anti-horário	<div><div></div><div>2035</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 334</div></div> <table><tr><td>T</td><td>13</td></tr><tr><td>G</td><td>34.5</td></tr><tr><td>L</td><td>43</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>48.8</td></tr><tr><td>FAM</td><td>047</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	13	G	34.5	L	43	SPL	8	ID	12	D	48.8	FAM	047	CW/CCW	Horário	<div><div></div><div>2042</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 334</div></div> <table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>61.9</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>102</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table>	T	9	G	25.8	L	61.9	SPL	10	ID	12	D	46.5	FAM	102	CW/CCW	Anti-horário	<div><div></div><div>2043</div></div> <div><div>APLICAÇÃO</div><div>Application / Aplicación</div><div>Pg. 334</div></div> <table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>32.09</td></tr><tr><td>L</td><td>81.2</td></tr><tr><td>SPL</td><td>-</td></tr><tr><td>ID</td><td>-</td></tr><tr><td>D</td><td>44.2</td></tr><tr><td>FAM</td><td>146</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table>	T	10	G	32.09	L	81.2	SPL	-	ID	-	D	44.2	FAM	146	CW/CCW	Horário
T	13																																																																		
G	40.8																																																																		
L	94.6																																																																		
SPL	5																																																																		
ID	-																																																																		
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FAM	166																																																																		
CW/CCW	Anti-horário																																																																		
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G	34.5																																																																		
L	43																																																																		
SPL	8																																																																		
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D	48.8																																																																		
FAM	047																																																																		
CW/CCW	Horário																																																																		
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SPL	-																																																																		
ID	-																																																																		
D	44.2																																																																		
FAM	146																																																																		
CW/CCW	Horário																																																																		

T	G	L	SPL	ID	CT	D	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	ø Externo (mm) Pinon O.D. Piñon - ø Externa	Comprimento Total (mm) Length Largo	Nº de Estriás # Of Splines # De Estriás	ø da Bucha (mm) Pinon I.D. Pinón - ø Interna	Nº Dentes Coroa # Barrel Gear Teeth # Dientes de la Corona	ø da Capa (mm) Drive O.D. ø Externa	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

2045			10003	1.01.0952.1	
	T	9		T	9
	G	34.8		G	25.82
	L	49		L	47
	SPL	10		SPL	6
	ID	12.06		ID	12
	D	46.5		D	46.5
	FAM	094		FAM	132
	CW/CCW	Horário		CW/CCW	Horário
APLICAÇÃO Application / Aplicação Pg. 334		APLICAÇÃO Application / Aplicação Pg. 334			

T			G			L			FAM			CW/CCW		
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón			ø Externo (mm) Pinon O.D. Piñon - ø Externa			Comprimento Total (mm) Length Largo			Família Family Familia			Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario		
<b>0032</b>			<b>0035</b>			<b>0036</b>			<b>0087</b>					
	T	9		T	9		T	11		T	11		T	11
	G	29.64		G	34.8		G	41		G	41		G	41
	L	72		L	120		L	120		L	61.1		L	61.1
	SPL	-		SPL	-		SPL	-		SPL	-		SPL	-
	FAM	061		FAM	053		FAM	053		FAM	054		FAM	054
APLICAÇÃO Application / Aplicación Pg. 336			APLICAÇÃO Application / Aplicación Pg. 336			APLICAÇÃO Application / Aplicación Pg. 336			APLICAÇÃO Application / Aplicación Pg. 336			APLICAÇÃO Application / Aplicación Pg. 336		
CW/CCW Anti-horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		
<b>0170</b>			<b>0171</b>			<b>0218</b>			<b>0280</b>					
	T	9		T	9		T	9		T	10		T	10
	G	29.64		G	29.64		G	34.8		G	29.64		G	29.64
	L	58		L	58		L	61.1		L	58		L	58
	SPL	4		SPL	-		SPL	-		SPL	4		SPL	4
	FAM	064		FAM	063		FAM	054		FAM	064		FAM	064
APLICAÇÃO Application / Aplicación Pg. 337			APLICAÇÃO Application / Aplicación Pg. 337			APLICAÇÃO Application / Aplicación Pg. 337			APLICAÇÃO Application / Aplicación Pg. 337			APLICAÇÃO Application / Aplicación Pg. 337		
CW/CCW Anti-horário			CW/CCW Anti-horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Anti-horário		
<b>0380</b>			<b>1216</b>			<b>9186</b>			<b>9301</b>					
	T	10		T	9		T	9		T	11		T	11
	G	29.64		G	29.64		G	29.64		G	40		G	40
	L	58		L	66		L	25.2		L	36		L	36
	SPL	-		SPL	-		SPL	18		SPL	16		SPL	16
	FAM	063		FAM	061		FAM	410		FAM	402		FAM	402
APLICAÇÃO Application / Aplicación Pg. 338			APLICAÇÃO Application / Aplicación Pg. 338			APLICAÇÃO Application / Aplicación Pg. 338			APLICAÇÃO Application / Aplicación Pg. 338			APLICAÇÃO Application / Aplicación Pg. 338		
CW/CCW Anti-horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		
<b>9307</b>			<b>9350</b>			<b>9402</b>			<b>9492</b>					
	T	11		T	9		T	10		T	10		T	10
	G	29.3		G	29.3		G	40		G	28.2		G	28.2
	L	25		L	41		L	36		L	25		L	25
	SPL	18		SPL	18		SPL	16		SPL	18		SPL	18
	FAM	410		FAM	403		FAM	402		FAM	410		FAM	410
APLICAÇÃO Application / Aplicación Pg. 339			APLICAÇÃO Application / Aplicación Pg. 339			APLICAÇÃO Application / Aplicación Pg. 339			APLICAÇÃO Application / Aplicación Pg. 339			APLICAÇÃO Application / Aplicación Pg. 339		
CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		



T	G	L	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Ø Externo (mm) Pinon O.D. Piñon - Ø Externa	Comprimento Total (mm) Length Largo	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>9495</b>  APLICAÇÃO Application / Aplicación Pg. 339	T	11	<b>9502</b>  APLICAÇÃO Application / Aplicación Pg. 340	T	13	<b>9506</b>  APLICAÇÃO Application / Aplicación Pg. 340	T	13	<b>9525</b>  APLICAÇÃO Application / Aplicación Pg. 340	T	8
	G	34.8		G	40.8		G	40.8		G	28
	L	17.5		L	24.5		L	23.5		L	94
	SPL	18		SPL	18		SPL	18		SPL	10
	FAM	409		FAM	408		FAM	407		FAM	406
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário		CW/CCW	Anti-horário
<b>9526</b>  APLICAÇÃO Application / Aplicación Pg. 340	T	9	<b>9527</b>  APLICAÇÃO Application / Aplicación Pg. 340	T	9	<b>9542</b>  APLICAÇÃO Application / Aplicación Pg. 340	T	9	<b>9632</b>  APLICAÇÃO Application / Aplicación Pg. 341	T	11
	G	33		G	36		G	29.64		G	33.8
	L	87		L	87		L	25.2		L	23.5
	SPL	10		SPL	10		SPL	18		SPL	18
	FAM	406		FAM	406		FAM	410		FAM	408
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>9678</b>  APLICAÇÃO Application / Aplicación Pg. 341	T	10	<b>9702</b>  APLICAÇÃO Application / Aplicación Pg. 341	T	9	<b>9705</b>  APLICAÇÃO Application / Aplicación Pg. 341	T	12	<b>10049</b>  APLICAÇÃO Application / Aplicación Pg. 341	T	9
	G	37.8		G	25.9		G	32		G	29.64
	L	25.2		L	87		L	14.9		L	25.2
	SPL	18		SPL	10		SPL	18		SPL	18
	FAM	410		FAM	406		FAM	404		FAM	410
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>12609</b>  APLICAÇÃO Application / Aplicación Pg. 342	T	11	<b>12658</b>  APLICAÇÃO Application / Aplicación Pg. 342	T	9	<b>12659</b>  APLICAÇÃO Application / Aplicación Pg. 342	T	9	<b>12812</b>  APLICAÇÃO Application / Aplicación Pg. 342	T	10
	G	41.99		G	35.5		G	35.5		G	32.6
	L	23.5		L	17.7		L	17.7		L	20.2
	SPL	18		SPL	20		SPL	20		SPL	20
	FAM	408		FAM	407		FAM	407		FAM	407
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	FAM	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Piñon	ø Externo (mm) Pinon O.D. Piñon - ø Externa	Comprimento Total (mm) Length Largo	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

<b>13021</b>		<b>13119</b>		<b>13268</b>	
					
T	11	T	12	T	22
G	35.4	G	43.7	G	51.5
L	18.2	L	27	L	44.5
SPL	19	SPL	28	SPL	-
FAM	407	FAM	409	FAM	420
APLICAÇÃO Application / Aplicación Pg. 342	CW/CCW Anti-horário	APLICAÇÃO Application / Aplicación Pg. 343	CW/CCW Horário	APLICAÇÃO Application / Aplicación Pg. 343	CW/CCW Horário


A	B	D	d	SPL	CW/CCW
Comprimento Livre do Eixo Shaft Free Length Largo Libre del Eje	Comprimento Eixo até Canal Shaft Length up to the Chanel Largo del Eje Hasta Canal	ø Eixo ø Shaft ø Eje	ø Bucha Eixo ø Shaft Bushing ø Buje Eje	Nº Estrías Engrenagem Nr. Splines Nº Estrías	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario


12675		
	A	98.7
	B	17.3
	D	13.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 344		CW/CCW Horário


12681		
	A	97.3
	B	19.5
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 344		CW/CCW Horário

12682		
	A	98.7
	B	17.3
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 344		CW/CCW Horário

12683		
	A	92.1
	B	21.3
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 344		CW/CCW Horário

12685		
	A	115.8
	B	21.5
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 344		CW/CCW Anti-horário


12689		
	A	94.7
	B	20.9
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 344		CW/CCW Horário

12690		
	A	92.1
	B	20.1
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 345		CW/CCW Anti-horário

12692		
	A	119.7
	B	18.8
	D	13.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 345		CW/CCW Horário

12717		
	A	80
	B	15.8
	D	11.96
	d	7.06
	SPL	12
APLICAÇÃO Application / Aplicación Pg. 345		CW/CCW Horário

12720		
	A	79
	B	15
	D	11.94
	d	8.04
	SPL	12
APLICAÇÃO Application / Aplicación Pg. 345		CW/CCW Horário

12841		
	A	80.8
	B	2.5
	D	14.2
	d	8.04
	SPL	16
APLICAÇÃO Application / Aplicación Pg. 346		CW/CCW Horário

13584		
	A	119.7
	B	16.3
	D	13.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 346		CW/CCW Horário

12786		
	A	-
	B	-
	D	-
	d	-
	SPL	-
APLICAÇÃO Application / Aplicación Pg. 346		CW/CCW -

**0001****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Ford: F100 | F350 | F600 | Galaxie ...05/1970 | Landau ...05/1970

## MOTOR

Wapsa: MPF6 | MPF7 | MALF2 | MALF3 | MALW2 | MALW3 | MALW12 | MALW14

## EQUIVALENTE / Equivalent

Wapsa: 224001

**0005****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Willys: Aero Willys ...05/1970 | Itamaraty ...05/1970 | Jeep ...05/1970 | Pick Up ...05/1970 | Rural ...05/1970

## EQUIVALENTE / Equivalent

Wapsa: 224001

**0006****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Volkswagen: Fusca 1200 | Fusca 1300 | Fusca Sedan 1.2 | Karmann Ghia | Kombi 1.2

## MOTOR

Bosch: 0001205005 | 0001205012 | 0001205016 | 9000082000

## EQUIVALENTE / Equivalent

Bosch: 9001082421 - Lucas Indiel: 223101 - Volkswagen: 111911335B

**0010****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Pick Up C10 1964... | Pick Up C14 1964... | Pick Up C15 1964...

## EQUIVALENTE / Equivalent

Bosch: 1987BE0125 - Lester: 3639 | 3690 | 4238 - Lucas: TDB070 - Lucas Indiel: 221710 - Remy: 07363070 - Wapsa: 224034

**0013****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: C20 | Pick Up Apache - Opel: Ascona | Blitz | Kadett B, C | Manta | Rekord B, C

## MOTOR

Remy: 1107208 | 1107223 | 1107270 | 1107272 | 1107279 | 1107354 | 1107389 | 1107397 | 1107398 | 1107641 | 1107652 | 1107653 | 1107655 | 1107657 | 1107661 | 1107665 | 1107668

## EQUIVALENTE / Equivalent

Chrysler: DR1900 - Lester: 3630 | 3637 | 3639 | 3643 | 3690 | 4150 | 4161 | 4222 | 4238 | 4247 - Lucas Indiel: 223137 - Remy: D2003 | D2028 | 1932185 | 1932188 | 1939506 | 1974355 - WAI: 4304 | 54105 - Ww: 480466

**0015****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Alfa Romeo: JK2000 | JK2150 - Audi: 1000 - BMW: 2600 | 2600L | 3200 | 3200CS | 503 - Ford: 12 M | 15 M | 17 M | Maverick 6 Cil | Transit 1.0 1250cc | Transit 1000 - Mercedes Benz: 108B | 190B - Opel: Blitz 1.9 | Kapitän P | Rekord PII - Puma: Puma GT Malzoni - Volvo: 121 1958...1964 | 122 1958...1964

## MOTOR

Bosch: NN9 | 0001201009 | 0001201010 | 0001203008 | 0001203024 | 0001203025 | 0001203026 | 0001205017 | 0001304002 | 0001304012 | 0001304013 | 0001305008 | 0001352003 | 9000082001 | 9000082015

## EQUIVALENTE / Equivalent

Bosch: 1006208030 | 1006208036 | 1006209010 | 1006209011 | 1006209013 | 1006209015 | 1006209016 | 1006209123 | 1006209124 | 1006209901 | 1006209903 | 9001082014 | 9001082016 | 9001082423 | 9001082429 | F000AL1876 - Lester: 16313 | 16314 | 16320 | 16345 | 16346 - Lucas Indiel: 223138 - Volkswagen: 80415

0020

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: 400 | Buick | C20 | Opala 4 e 6 cil | Silverado gasolina - Willys: Jeep 1969...1971

## MOTOR

Remy: 1107163 | 1107219 | 1107233 | 1107237 | 1107242 | 1107248 | 1107259 | 1107260 | 1107266 | 1107273 | 1107274 | 1107286 | 1107289 | 1107293 | 1107294 | 1107298 | 1107299 | 1107301 | 1107302 | 1107303 | 1107306 | 1107307 | 1107313 | 1107314 | 1107315 | 1107316 | 1107317 | 1107320 | 1107321 | 1107330 | 1107331 | 1107336 | 1107340 | 1107342 | 1107345 | 1107346 | 1107347 | 1107349 | 1107352 | 1107353 | 1107355 | 1107360 | 1107361 | 1107363 | 1107365 | 1107367 | 1107368 | 1107369 | 1107370 | 1107371 | 1107372 | 1107373 | 1107374 | 1107889

## EQUIVALENTE / Equivalent

Bosch: 1987BE0000 - Chrysler: DR1902 | DR1905 - Lester: 3503 | 3504 | 3505 | 3507 | 3508 | 3510 | 3524 | 3525 | 3533 | 3535 | 3546 | 3550 | 3551 | 3552 | 3553 | 3554 | 3557 | 3560 | 3561 | 3563 | 3564 | 3565 | 3568 | 3569 | 3571 | 3627 | 3629 | 3631 | 3633 | 3635 | 3649 | 3666 | 3674 | 3686 | 3689 | 3691 | 3696 | 3733 | 3800 | 3838 | 4038 | 4208 | 4247 | 4253 | 4263 | 4347 | 4724 | 6303 | 6311 | 6375 | 3508M | 3510M - Lucas Indiel: 223102 - Remy: D2008 | D2014 | D2020 | D2049 | 1108481 | 1875687 | 1935827 | 1935829 | 1945842 | 1947727 | 1954842 | 1954867 | 1965538 | 1965723 | 1965923 | 10456422 - WAI: 54101 | 54180

0024

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Case: 580/E/CK (Perkins) Perkins | Pá Carregadeira W7 com motor Perkins 6 cil | Retroescavadeira 580 Perkins 4 cil | Retroescavadeira 580CK Perkins 4cil | Retroescavadeira 580E Perkins 4 cil | Retroescavadeira 580H - CBT: Trator 1000 Perkins 4 e 6 cil | Trator 1090 Perkins 4 e 6 cil | Trator 1100 Perkins 4 e 6 cil | Trator 8240 Perkins 4236 - Chrysler: Dodge D400 Perkins 4 cil - Clark: Empilhadeira 135 | Empilhadeira 155 | Empilhadeira 50 | Empilhadeira 60 | Empilhadeira C-300 | Empilhadeira C-500 | Empilhadeira HY 40 | Empilhadeira Y110 | Pá Carregadeira Michigan 75A | Pá Carregadeira Michigan 75II | Pá Carregadeira Michigan 75III | PK4236 Pick Up - Ford: 4600 | 5600 | 6600 4 cil | F11000 Perkins 6 cil | F12000 Perkins 6 cil Diesel | F13000 Perkins 6 cil Diesel | F2000 Ford 4 cil | F4000 Ford 4 cil General Motors/Chevrolet: D20 1991... | Especial/Special com motor Perkins 6 cil | Pick Up Perkins 4 cil - Massey Ferguson: MF220 | MF235 | MF250 | MF275 | MF285 | MF290 | MF290 RA Perkins 4236 | MF296 | MF3366 | MF400 | MF50X | MF55X | MF65R | MF65X | MF85X | MF95I | MF95X 11/1971...08/1977 New Holland: 4600 motor diesel 4 cil | 4610 motor diesel 4 cil | 5600 motor diesel 4 cil | 5610 motor diesel 4 cil | 6600 motor diesel 4 cil | 6610 motor diesel 4 cil | 7610 motor diesel 4 cil - Perkins: 248 Trator CBT 8240 01/1984... | 4236 A Trator MF 275, 275/4 04/1976... | A6.358 Trator Ideal 9110 08/1989... | GM, Ford, Dodge, CBT, Case Motor 4 e 6 cil | Motor Industrial 3152, 4203, 4236 | Motor Industrial 6354.4, 6358 | Trator 283, 290/4 | Trator 290, 290/4 | Trator 292, 292 turbo | Trator 9130, 9150, 9170 | Trator MF 283 | Trator MF 296/4, 296, 400 04/1976... - Volkswagen: 6.80 com motor Perkins

## MOTOR

Bosch: 9000453001 | 9000453004 | 9000453005 | 9000453006 | 9000453009 | 9000453011 | 9000453014 | 9000453015 | 9000453016 | 9000453017 | 9000453019 | 9000453028 | 9000453032 | 9000453034 | 9000453038 | 9000453041 | 9000453042 | 9000453043 | 9000453046 | 9000453047 | 9000453049 | 9000453050 | 9000453051 | 9000453052 | 9000453054 | 9000453059 | 9000453061 - Wapsa: MPB1 | MPB2 | MPF8 | MPN2 | MALP2 | MPB11 | MPB17 | MPB18 | MPB23 | MPB31 | MPB33 | MPB49 | MPB50 | MPB59 | MPB60 | MPB63 | MPB70 | MPC69 | MPMF3 | MALMF2 | MALTf1 | MALTf2 | MPJ1074

## EQUIVALENTE / Equivalent

Bosch: 9001453333 | 9001453334 | 9001453338 - General Motors/Chevrolet: 07328970 - Lucas: TNB460 - Lucas Indiel: 222460 - Volkswagen: 04128642 | BC4N11350A - Wapsa: 2244 | 224004 | 224038 | 224043 | 2244036

0025

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Ford: F100 | F1000 | F150 - Mercedes Benz: Caminhão com motor 0321H 12/1973... | Caminhão com motor 0321H2 12/1973... | Caminhão com motor 321 12/1973... | Ônibus - Toyota: Bandeirante - Volkswagen: 81

## MOTOR

Wapsa: MPT2 | MALT1 | MPB19 | MPT2N | MALMWM3 | MALMWM4

## EQUIVALENTE / Equivalent

Bosch: 9001453391 - Lucas: TNB463 - Lucas Indiel: 222463 - Mercedes Benz: 3431517113 - Wapsa: 224010

0028

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Agrale: TX1600 MWM-D 229-3 ...12/1984 - Lamborghini: 226 | 230 | 340 | 452 | 90-2 | 90-4 | LDA 78/4 - Mercedes Benz: 180DB | 190DB | L319D | L405 | L406 | O2319D - MWM: D2253 | D2254 | D2293 - Perkins: 6.354/4 Trator CBT 8260 4x4 01/1984... - Renault: 7052 - Valmet: 10 | 11 | 110ID MWM-D 225-6 ...07/1977 | 15 | 22 | 30 | 35 | 50DA | 62ID MWM-D 225-3 ...07/1985 | 65ID MWM-D 225-3 ...07/1985 | 68 ...07/1985 | 68 Cafeeiro ...07/1985 | 68 Especial MWM-D 229-3 ...07/1985 | 85ID MWM-D 229-3 ...07/1977

## MOTOR

Bosch: 0001354016 | 0001354064 | 0001354076

## EQUIVALENTE / Equivalent

Bosch: 2006209043 | 2006209068 | 2006209183 | 2006209212 | 2006209900 | 2006209915 - Italacciai: SD061 - Lester: 16365 - Lucas: TNB044 - Lucas Indiel: 223103 - WAI: 549125

**0044****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Ford: Belina I | Corcel I

## MOTOR

Bosch: 0001203016 | 0001305016 | 0001308006 | 9000082005 | 9000082010

## EQUIVALENTE / Equivalent

Bosch: 1006209012 | 1006209014 | 1006209017 | 1006209125 | 1006209902 | 9001082417 - Lester: 16326 | 16332 | 16360 - Lucas: TMB484 - Lucas Indiel: 221484  
Volkswagen: 85357**0045****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: C10 | C75 | Caravan 1976... | Opala 1976... | Pick Up C10 1976... | Pick Up C15 1976... - Puma: Puma GTB GM4100

## EQUIVALENTE / Equivalent

Bosch: 1987BE0122 - General Motors/Chevrolet: 01954842 - Lucas: TDB045 - Lucas Indiel: 221711 - Wapsa: 224033

**0046****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Opala ...06/1978

## MOTOR

Bosch: 9000082006 | 9000082022

## EQUIVALENTE / Equivalent

Bosch: 9001082177 | 9001082419 - General Motors/Chevrolet: 07325345 - Lucas: TMB419 - Volkswagen: 9307667

**0050****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

Chrysler: Dodge Chrysler 1962...1975 - Dodge: Coronado | GTX | Polara

## MOTOR

Autolite Prestolite: MZ4205 | MZZ4658 | MHB4011R | MHB4012R | MHB4013R - Chrysler: 1889297 | 2095122 | 2095150 | 2095254 | 3656650 - Remy: 1107650 | 1107651 | 1107666 | 1107748 | 1107749

## EQUIVALENTE / Equivalent

Bosch: 1987BE0001 - Chrysler: CH1920 | CH1922 | CH1925 | CH1927 | 2095122 | 2095397 | 2444651 | 2444658 | 3755085 | 3874045 | 4094174 - Ford: 2900804  
Lester: 3250 | 3257 | 3258 - Lucas Indiel: 221903 - Remy: C2001 | D2018 | 1939444 | 1972282 - WAI: 3259 | 54301

0053

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

**Ford:** Club 8 Cil 4.3L 4261cc 260cid 1963...1964 | Club 8 Cil 4.7L 4727cc 289cid 1963...1964 | Club Wagon 8 Cil 4.3L 4261cc 260cid 1963...1964 | Club Wagon 8 Cil 4.7L 4727cc 289cid 1963...1964 | Country Sedan 6 Cil 3.9L 240cid 1963...1964 | Country Sedan 6 Cil 3.9L 3933cc 240cid 1965...1970 | Country Sedan 8 Cil 4.3L 4261cc 260cid 1963...1965 | Country Sedan 8 Cil 4.7L 4727cc 289cid 1965...1967 | Country Sedan 8 Cil 5.0L 302cid 1968...1969 | Country Sedan 8 Cil 5.0L 302cid 1971...1972 | Country Sedan 8 Cil 5.0L 4949cc 302cid 1968...1972 | Country Sedan 8 Cil 5.8L 351cid 1969...1974 | Country Sedan 8 Cil 5.8L 5752cc 351cid 1969...1974 | Country Sedan 8 Cil 5.8L 5753cc 351cid 1969...1974 | Country Squire 6 Cil 3.9L 3933cc 240cid 1965...1967 | Country Squire 8 Cil 4.3L 4261cc 260cid 1963...1964 | Country Squire 8 Cil 4.7L 4727cc 289cid 1965...1967 | Country Squire 8 Cil 5.0L 302cid 1968...1972 | Country Squire 8 Cil 5.0L 4949cc 302cid 1969...1972 | Country Squire 8 Cil 5.8L 351cid 1969...1974 | Country Squire 8 Cil 5.8L 5752cc 351cid 1969...1974 | Country Squire 8 Cil 5.8L 5753cc 351cid 1969...1974 | Custom 6 Cil 3.9L 3933cc 240cid 1965...1972 | Custom 8 Cil 4.3L 4261cc 260cid 1964...1967 | Custom 8 Cil 4.7L 4727cc 289cid 1964...1967 | Custom 8 Cil 5.0L 4949cc 302cid 1968...1972 | Custom 8 Cil 5.8L 5752cc 351cid 1969...1972 | Custom 8 Cil 5.8L 5753cc 351cid 1969...1972 | Custom 500 6 Cil 3.9L 240cid 1965...1972 | Custom 500 6 Cil 3.9L 3933cc 240cid 1968...1972 | Custom 500 8 Cil 4.3L 260cid 1964 | Custom 500 8 Cil 4.7L 289cid 1964...1967 | Custom 500 8 Cil 5.0L 302cid 1968...1972 | Custom 500 8 Cil 5.0L 4949cc 302cid 1962...1972 | Custom 500 8 Cil 5.8L 351cid 1969...1974 | Custom 500 8 Cil 5.8L 351cid Windsor Eng 1977 | Custom 500 8 Cil 5.8L 5752cc 351cid 1969...1974 | Custom 500 8 Cil 5.8L 5753cc 351cid 1969...1974 | Fairlane 6 Cil 4.1L 250cid 1969...1970 | Fairlane 6 Cil 4.1L 4097cc 250cid 1969...1970 | Fairlane 6 Cil 4.1L 4098cc 250cid 1969...1970 | Fairlane 8 Cil 3.6L 221cid 1962...1963 | Fairlane 8 Cil 3.6L 3622cc 221cid 1962...1963 | Fairlane 8 Cil 4.3L 260cid 1963...1964 | Fairlane 8 Cil 4.3L 4261cc 260cid 1962...1964 | Fairlane 8 Cil 4.7L 289cid 1963...1968 | Fairlane 8 Cil 4.7L 4727cc 289cid 1963...1968 | Fairlane 8 Cil 5.0L 302cid 1968...1970 | Fairlane 8 Cil 5.0L 4949cc 302cid 1968...1970 | Fairlane 8 Cil 5.8L 351cid 1969...1970 | Fairlane 8 Cil 5.8L 5752cc 351cid 1969...1970 | Fairlane 8 Cil 5.8L 5753cc 351cid 1969...1970 | Falcon 6 Cil 3.3L 200cid 1966...1970 | Falcon 6 Cil 3.3L 3277cc 200cid 1966...1970 | Falcon 6 Cil 3.3L 3278cc 200cid 1968...1970 | Falcon 6 Cil 4.1L 250cid 1 1970 | Falcon 6 Cil 4.1L 4097cc 250cid 1970 | Falcon 6 Cil 4.1L 4098cc 250cid 1970 | Falcon 8 Cil 4.3L 260cid 1963...1964 | Falcon 8 Cil 4.3L 4261cc 260cid 1963...1964 | Falcon 8 Cil 4.7L 289cid 1964...1968 | Falcon 8 Cil 4.7L 4727cc 289cid 1964...1968 | Falcon 8 Cil 5.0L 302cid 1968...1970 | Falcon 8 Cil 5.0L 4949cc 302cid 1968...1970 | Falcon 8 Cil 5.8L 351cid 1970 | Falcon 8 Cil 5.8L 5752cc 351cid 1970 | Falcon 8 Cil 5.8L 5753cc 351cid 1970 | Ford 300 8 Cil 4.3L 4261cc 260cid 1963 | Ford 300 8 Cil 4.7L 4727cc 289cid 1963 | Galaxie 6 Cil 3.9L 3933cc 240cid 1965...1967 | Galaxie 8 Cil 4.3L 4261cc 260cid 1964 | Galaxie 8 Cil 4.7L 4727cc 289cid 1963...1967 | Galaxie 500 6 Cil 3.9L 240cid 1965...1972 | Galaxie 500 6 Cil 3.9L 3933cc 240cid 1968...1972 | Galaxie 500 8 Cil 4.3L 260cid 1964

## MOTOR

**Ford:** E1TF11001B | E1TZ11002A | E1TZ11002B | E1TZ11002C | E1TF11001CA

## EQUIVALENTE / Equivalent

**Bosch:** 1987BE0002 - **Chrysler:** FO1905 | FO1909 - **Femsa:** 278963 - **Ford:** SD302 | C1VF11350A | C1VY11350A | C2OF11350C | C3VF11350A | C3VF11350C | C4OF11350A | C4OF11350B | C4OZ11350A | C4OZ11350B | C5JF11350A | C6FY11350A | C6VY11350A | C7AF11350A | C8VF11350B | D6PZ11350B | C6VY11350A1 | C7AF11350A1 | C8VF11350B1 | D5AF11350AA | D6PF11A108B | D6PF11A108BA - **Lester:** 3124 | 3131 | 3132 | 3135 | 3149 | 3152 | 3153 | 3154 | 3155 | 3157 | 3160 | 3168 | 3169 | 3176 | 3181 | 3185 | 3187 | 3188 | 3189 - **Remy:** F2004 | 1972287 - **WAI:** 54204 | 54224

0054

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 161

## APLICAÇÃO / Application / Aplicación

**Chrysler:** Dodge D500

## MOTOR

**Chrysler:** 1889100 | 1889129 | 1889200 | 2095753 | 2642227

## EQUIVALENTE / Equivalent

**Chrysler:** CH1917 | CH1924 | 1889129 | 2444661 | 2642445 | 2642506 | 2642692 - **Lester:** 3248 | 3249 | 3252 - **Remy:** C2000 | C2002 | 1889129 | 1972281 | 1972365  
**WAI:** 54302

0056

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

## APLICAÇÃO / Application / Aplicación

**Ford:** F100 Gasolina 06/1975...12/1975 | F350 Gasolina 06/1975...12/1975 | F600 Gasolina 06/1975...12/1975 | Galaxie 06/1970... | Landau e LTD 06/1970...12/1975 | Pick Up 06/1970... - **Hyster:** Guindaste KF 06/1970... - **Willys:** Itamaraty 06/1970... | Jeep 06/1970... | Rural 06/1970...

## MOTOR

**Bosch:** 9000453055 - **Wapsa:** MPB3 | MPB4 | MALW3N

## EQUIVALENTE / Equivalent

**Bosch:** 9001453340 - **Volkswagen:** BD0A11350A - **Wapsa:** 224016

0060

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

## APLICAÇÃO / Application / Aplicación

**CBT:** 1090 Perkins 6 cil - **Fiat:** 127 1.3D | 147 | Duna 60 / 70 | Fiorino | Uno - **Perkins:** Motor 4 e 6 cil

## MOTOR

**Bosch:** 9000083003 | 9000083013 | 9000083019 | 9000083040

## EQUIVALENTE / Equivalent

**Bosch:** 9001083441

**0065****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Porsche:** 190 | 924 - **Puma:** GT VW 1600 ...04/1981 | GTS VW 1600 ...04/1981 - **Volkswagen:** Brasília 1.3 e 1.6 álcool e gasolina | Fusca 1.6 (mod 94) | Gol 1.3 e 1.6 álcool e gasolina | Karmann Ghia TC 1600 | Kombi 1.5, 1.6 | Pick Up 1.5, 1.6 | Saveiro 1.6 álcool e gasolina | Sedan 1.3 e 1.6 álcool e gasolina | SP1 | SP2 | TC1600 | TL1600 | Variant I | Variant II

**MOTOR**

**Bosch:** 0001211992 | 0001211993 | 0001314012 | 9000082009 | 9000082032 | 9000082034 | 9000082046 | 9000082047 | 9000082049 | 9000082073 | 9000082077

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209162 | 1006209431 | 2006209162 | 9001042021 | 9001082362 - **Italacciai:** SD450 - **Lester:** 16450 - **Lucas:** TMB482 - **Lucas Indiel:** 221482

**Volkswagen:** 3059113353 | 311911335A - **WAI:** 549143

**0068****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Audi:** Fox 100 1.6, 1.8, 1.9 | Fox 4000 1.6, 1.7 | Fox 50 1.3, 1.5 | Fox 80 1.3, 1.5, 1.6 - **BMW:** 528i | 728i - **Ford:** Capri 2.8 | Galaxy | Granada 2.8 | Pampa 1.6 - **Opel:** Ascona A | Blitz 1.9 | Manta A | Rekord D - **Volkswagen:** Dasher 1.5 D | Derby | Gol 1.6, 1.8, 2.0, C, CL, GL | Golf 1.1, 1.3 | Jetta 1.1, 1.3, 1.7 (USA) | Kombi | Parati 1.5 e 1.6 C, CL, GL | Passat 1.3, D1.5, 1.5, 1.6 | Pick Up 1.6 | Polo | Rabbit 1.7 | Saveiro 1.6 CL, GL | Scirocco 1.1, 1.3, 1.6, 1.7 (USA) | Voyage 1.5 e 1.6 CL, GL

**MOTOR**

**Bosch:** 0001208053 | 0001208054 | 0001208055 | 0001211209 | 0001211210 | 0001211213 | 0001211214 | 0001211216 | 0001211217 | 0001211218 | 0001211219 | 0001211220 | 0001211230 | 0001211233 | 0001211234 | 0001211235 | 0001211236 | 0001211244 | 0001211245 | 0001211247 | 0001211248 | 0001211249 | 0001311041 | 0001311046 | 0001311049 | 0001314014 | 0001314015 | 9000082030 | 9000082045

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209400 | 1006209405 | 1006209412 | 1006209417 | 9001082750 - **Italacciai:** SD454 - **Lester:** 16401 | 16530 | 16539 | 16621 | 16623 | 16781 - **Lucas:** TMB421 - **Lucas Indiel:** 221421 - **Volkswagen:** 052911335 | 056911335 | 056911335A | ZBA911335 - **WAI:** 549101

**0077****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 2300 ...03/1977 | 2300B ...03/1977 - **Chrysler:** Dodge Polara 1800

**MOTOR**

**Bosch:** 9000082013 | 9000082029

**EQUIVALENTE / Equivalent**

**Bosch:** 9001082424 | 9001082426 | 9001082498

**0080****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Audi:** 100 | 60 | 72 | 80 | 90 - **Ford:** Capri | Granada | Taunus 2.0, 2.3 - **General Motors/Chevrolet:** Chevette 1.4 gasolina 01/1975...07/1976 | Marajó 1.4 álcool e gasolina 02/1975...07/1976 - **Mercedes Benz:** 190C | 200 | 220 | 230 | 250 | 280 | 300 | L408G | O309B - **Volvo:** 121 | 122 | 140 | 142 | 144 | 145 | 164 | 1800 | 221 | 222

**MOTOR**

**Bosch:** 0001207010 | 0001208001 | 0001208003 | 0001208009 | 0001208011 | 0001208023 | 0001208025 | 0001208026 | 0001208030 | 0001208033 | 0001208036 | 0001208038 | 0001208046 | 0001208047 | 0001208050 | 0001208058 | 0001208059 | 0001208061 | 0001209002 | 0001209003 | 0001209008 | 0001209012 | 0001211006 | 0001211010 | 0001211018 | 0001211991 | 0001310016 | 0001311001 | 0001311013 | 0001311019 | 0001311023 | 0001311024 | 0001311027 | 0001311028 | 0001311030 | 0001311031 | 0001311032 | 0001311034 | 0001311036 | 0001311037 | 0001311039 | 0001313001 | 9000082012 | 9000082023

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209029 | 1006209031 | 1006209034 | 1006209040 | 1006209047 | 1006209051 | 1006209052 | 1006209053 | 1006209055 | 1006209058 | 1006209066 | 1006209101 | 1006209127 | 1006209332 | 2006209165 | 2006209166 | 9001082420 - **General Motors/Chevrolet:** 07329691 - **Italacciai:** SD305 - **Lester:** 16299 | 16321 | 16328 | 16331 | 16332 | 16337 | 16341 | 16360 | 16367 | 16407 | 16412 | 16440 | 16443 | 16539 | 16692 - **Lucas:** TMB420 - **Lucas Indiel:** 223176 - **Volkswagen:** 059911335 - **WAI:** 549126

**0082****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Ford:** F1000 Georgia | F75 Georgia | Maverick Georgia 4 cil - **Willys:** Jeep Georgia

**EQUIVALENTE / Equivalent**

**Bosch:** 9001082306 - **Volkswagen:** BD7D11350A



**0085**

**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**  
STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Agrale:** TX1600 MWM - **Chrysler:** Dodge D14000 MWM 6 cil e partida Wapsa | Dodge D750 MWM 6 cil | Dodge D950 MWM 6 cil - **Ford:** Cargo 1113 | Cargo 1313 | F1000 MWM | F11000 MWM | F12000 MWM | F13000 MWM | F14000 MWM | F19000 MWM | F2000 MWM | F21000 MWM | F22000 MWM | F400 MWM | F4000 MWM | F7000 MWM - **Massey Ferguson:** Trator - **MWM:** D2293 | D2294 | D2296 - **Valmet:** Trator MWM 3, 4 e 6 cil - **Volkswagen:** VW11130 | VW13130

**MOTOR**

**Bosch:** 9000453012 | 9000453027 | 9000453033 | 9000453062 - **Wapsa:** MPB9 | MPB30 | MPB42 | MPB68

**EQUIVALENTE / Equivalent**

**Bosch:** 9001453336 - **Lucas:** TNB402 - **Lucas Indiel:** 222402 - **Volkswagen:** BD5T11350A | T11911335A - **Wapsa:** 224026

**0104**

**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**  
STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Ford:** Caminhão F100 com motor 4 cil | Caminhão F75 com motor 4 cil - **Willys:** Jeep | Pick Up | Rural com motor 4 cil

**MOTOR**

**Wapsa:** MWB14

**EQUIVALENTE / Equivalent**

**Bosch:** 9001451291 - **Lucas:** TWB235 - **Wapsa:** 224035

**0108**

**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**  
STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** Alfa 6 2.0, 2.5 | Alfa 75 1.6, 1.8, 1.8 turbo, 2.5 | Alfa 90 1.8, 2.0, 2.5 | Alfesud 1.2 Super TI | Alfetta 1.6,1.8, 2.0 | Arna 1.2 e 1.3 | F2 | Giulietta 1.3, 1.8, 2.0 | GTV2000 2.0 e 2.5 - **Audi:** 100 1.8, 1.9, 2.0 | 200 turbo | 200i | 80 | 80L | Quattro - **BMW:** 320 | 323 i | 520 | 523 i | 528 - **Citroën:** BX 14 | C22 | C25 | LNA II | Visa | Visa II - **Fiat:** Ritmo Super 85 1.5 - **Ford:** Belina II com motor CHT 1.6 | Capri II 2.3, 2.8 | Consul 2.3 | Corcel II 1.6 | Del Rey 1.6 | Escort 1.3, 1.6 CHT | Escort Hobby 1.6 | FT 100 | FT 125 | FT 130 | FT 150 | FT 175 | FT 190 | FT 60 | FT 75 | FT 900 | Galaxy | Granada 1.7, 2.0, 2.3, 2.6, 2.8 | Pampa 1.6 | Royale com transmissão automática e EFI | Scala 1.6 CHT | Sierra 1.6, 2.0, 2.3 | Taunus 2.0, 2.3 | Verona LX 1.6 | Versailles 1.8, 2.0 e 2.0i - **General Motors/Chevrolet:** Chevette 1.4 e 1.6 | Chevette Junior álcool e gasolina | Chevy 500 | Ipanema 1.8 | Kadett 1.8 | Marajó 1.4 e 1.6 | Monza - **Gurgel:** Carajas com motor VW AP 1.8 02/1988... - **Lancia:** Delta 1.5 | Gamma 2.0, 2.5 | Prisma 1.5 - **Mercedes Benz:** 200 | 208 | 220 | 280 | 308 | 350 | 380 | 450 | 500 - **Opel:** Admiral 2.8 | Ascona B, C | Blitz CF | Comodore B | Corsa 1.0, 1.2, 1.3 | Diplomat B | Kadett C, D | Manta B | Monza | Rekord | Senator - **Peugeot:** 104 | 504 1.6, 1.8, 2.0 (V6) | 505 1.8, 2.0 | 604 V6 | J5 **Porsche:** 924 - **Renault:** P1000 | P2000 | R14GTL-GTS | R18 | R18 turbo | R20 | R30 | Trafic - **Volkswagen:** Gol 1.0i | Gol 1.6 | Gol 1.8i | LT 28 | LT 31 | LT 35 | LT 40 | LT 45 | Parati GLS | Passat GTS Pointer 1.8 5cil. a álcool | Quantum 1.8 e 2.0 CL, GL, GLS | Santana 1.8 e 2.0 CL, GL, GLS | Saveiro 1.8 álcool e gasolina | Voyage GLS 1.8 álcool e gasolina - **Volvo:** 140 | 142 | 144 | 160 | 164 | 240 | 340 | 360 | 760 - **Yanmar:** Micro Trator 1030 | Micro Trator TC11 | TC11 Super (NS 11)

**MOTOR**

**Bosch:** 0001157024 | 0001157025 | 0001157028 | 0001157029 | 0001157030 | 0001208200 | 0001208201 | 0001208202 | 0001208206 | 0001208208 | 0001208209 | 0001208211 | 0001208216 | 0001208217 | 0001208224 | 0001208225 | 0001208226 | 0001208227 | 0001208228 | 0001208229 | 0001208233 | 0001208400 | 0001208405 | 0001211207 | 0001211215 | 0001211229 | 0001211242 | 0001311101 | 0001311103 | 0001311104 | 0001311105 | 0001311106 | 0001311107 | 0001311108 | 0001311109 | 0001311110 | 0001311112 | 0001311114 | 0001311117 | 0001311118 | 0001311120 | 0001311121 | 0001311122 | 0001311124 | 0001311125 | 0001311126 | 0001311127 | 0001311131 | 0001311132 | 0001311136 | 0001311137 | 0001311139 | 0001311140 | 0001311141 | 0001311143 | 0001311145 | 0001311147 | 0001314018 | 9000062014 | 9000082024 | 9000082025 | 9000082033 | 9000082035 | 9000082036 | 9000082041 | 9000082042 | 9000082043 | 9000082048 | 9000082050 | 9000082051 | 9000082054 | 9000082055 | 9000082058 | 9000082059 | 9000082063 | 9000082064 | 9000082065 | 9000082067 | 9000082069 | 9000082071 | 9000082074 | 9000082075 | 9000082076 | 9000082078 | 9000141116 | 9000142001 | 9000142002 | 9000142003 | 9000142102 | 9000333105 | 9000334102

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209404 | 1006209410 | 1006209414 | 1006209416 | 1006209427 | 1006209447 | 1006209462 | 1006209463 | 1006209471 | 9001066236 | 9001082340 | 9001082618 | 9001082660 | 9001082686 | 9001082748 | 9001336324 | F000AL1002 - **Fiat:** 9936602 | 9937705 | 82327386 - **General Motors/Chevrolet:** 09307667 **Italacciai:** SD436 - **Lester:** 16299 | 16353 | 16367 | 16401 | 16412 | 16417 | 16418 | 16443 | 16462 | 16531 | 16534 | 16538 | 16539 | 16550 | 16557 | 16593 | 16619 | 16621 | 16683 | 16684 | 16689 | 16722 | 16781 | 17031 | 17061 | 17122 - **Lucas:** TMB448 | TMB480 - **Lucas Indiel:** 221480 - **Volkswagen:** 059911335B | ZBC911335 | 78MU11350A - **WAI:** 549129

**0111**

**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**  
STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Fiat:** 147 | Argenta 2.0 | Duna 60 | Duna 70 | Elba 1.3 e 1.5, CS/S | Fiorino 1.1 | Panorama | Prêmio 1.2,1.3,1.5 | Prêmio CS | Prêmio CSL | Prêmio S | Regata 70 | Regata 75 | Regata 85 | Regata 90 IE | Ritmo 75 | Spazio | Spazio | Super 85 | Tempra 16V | Tempra 2.0 MPI 16V | Tempra 2.0 SPI 8V | Tempra 2.0 Turbo | Tipo 1.6i.e | Uno 1.4i e 1.6i (argentina) | Uno 1.5 | Uno 1.6 | Uno 75 IE | Uno CS | Uno Mille | Uno R | Uno S | Uno SX - **Lada:** 2104 | Laika 1.5 e 1.6 | Niva 1.5 e 1.6 02/1993... - **Lancia:** Beta 1.3, 1.4, 1.6, 1.8, 2.0 | Delta 1.5, 1.6 | Prisma 1.5, 1.6 | Trevi 1.6, 2.0 - **Seat:** 131 1.6 | 132 1.6 e 1.8 - **Volvo:** Penta

**MOTOR**

**Bosch:** 0001208218 | 0001208408 | 0001211246 | 0001311116 | 0001311119 | 0001311123 | 0001311129 | 0001311130 | 0001311133 | 9000082021 | 9000082039 | 9000082040 | 9000082053 | 9000082061 | 9000082066 | 9000082070 | 9000082079 | 9000082080 | 9000082083 | 9000082085 | 9000142100 - **Fiat:** 4470377 | 7501995

**0111****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209425 | 9001082324 | 9001082749 | F000AL1871 - **Fiat:** 7073094 | 9932923 - **General Motors/Chevrolet:** 07073094 - **Italacciai:** SD186 - **Lester:** 16257 | 16953 - **Lucas:** TMB483 - **Lucas Indiel:** 221483 - **WAI:** 5491138

**0115****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Ford:** Maverick 4 cil | **Pick Up - Willys:** Pick Up | Rural | Utilitário Jeep

**MOTOR**

**Bosch:** 9000082017

**EQUIVALENTE / Equivalent**

**Bosch:** 9001082425 - **Lucas Indiel:** 221493

**0118****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Case:** Retroescavadeira 580H - **CBT:** Trator 8240 | Trator 8260 4x4 com motor Perkins - **Chrysler:** Caminhão Dodge D300 com motor Perkins 09/1977...

**General Motors/Chevrolet:** 4006MT | 8000MT | D40 | D6000 com motor Maxion 03/1992... | Pick Up D20 com motor Maxion - **John Deere:** MD630 | MND730

**Kawasaki:** F1300DT | F1400DT | F1500DT | F1600DT | F1800DT | F1902DT | F2105D - **Komatsu:** P160 | P170 | P170T | P190 | P200 | P260 | P270 | Retroescavadeira PC150 mod. 5, (Hidráulica) - **Massey Ferguson:** Colheitadeira MF3640 PER-A 6358 | Colheitadeira MF5650 turbo PER-AT 6354-4 | Colheitadeira MF102 | Colheitadeira MF1630 | Colheitadeira MF1630 PER-A 4248 | Colheitadeira MF210S | Colheitadeira MF220 | Colheitadeira MF310 | Colheitadeira MF3640 | Colheitadeira MF5650 | Colheitadeira MF5650 PER-A 6354-4 | Pick Up | Trator Maxion 9150 | Trator Maxion 9110 | Trator Maxion 9130 | Trator Maxion 9170 | Trator MF265 | Trator MF270 | Trator MF275 | Trator MF275/4 | Trator MF285 | Trator MF290 | Trator MF292 | Trator MF295 | Trator MF295/4 | Trator MF296 | Trator MF296/4 | Trator MF400 | Trator MF50X | Trator MF55X | Trator MF65R | Trator MF65X | Trator MF85X | Trator MF86 | Trator MF95 | Trator MF95i - **Mercedes Benz:** Ônibus O917 01/1988... | Ônibus OF 1113 01/1988... | Ônibus OH1113 01/1988... - **Perkins:** Maxion S4T GM - D20 03/1992... | Maxion 1006.6T Trator Ideal 9075 09/1994... | Maxion 1006.6T Trator Ideal 9090 09/1994... | Maxion S4T GM - D6000 03/1992... | Motor Industrial 4203 | Motor Industrial 4236 | Motor Industrial 63544 | Motor Industrial 6358 | Motor Industrial 3152 | Motor Industrial 4203 | Motor Industrial 4236 | Motor Industrial 6358 | Perkins 248 Trator CBT 8240 01/1984... | Perkins 4236 A | Perkins 6.354/4 Trator CBT 8260 4x4 01/1984... | Perkins A6.358 08/1989... | Trator 296 04/1976... | Trator 400 04/1976... | Trator Ideal 9110 08/1989... | Trator Ideal 9130 08/1989... | Trator Ideal 9150 08/1989... | Trator Ideal 9170 08/1989... | Trator MF 290/4 04/1976... | Trator MF 292 04/1976... | Trator MF 275 04/1976... | Trator MF 275/4 04/1976... | Trator MF 283 | Trator MF 283 04/1976... | Trator MF 290 04/1976... | Trator MF 292 turbo 04/1976... | Trator MF 296/4 04/1976... - **Volvo:** 406 | 407 | F82 | F83S - **Yanmar:** Motor Estacionário BT22 | Motor Estacionário BT33 | Motor Estacionário BTD22 | Motor Estacionário BTD33 | Trator 1050D | Trator 1050D 4x4

**MOTOR**

**Bosch:** 0001359008 | 0001359064 | 0001359067 | 0001360050 | 0001365005 | 9000083035 | 9000083038 | 9000083041 | 9000083042 | 9000083051 | 9000083055 | 9000083058 | 9000083059 | 9000083062 | 9000453073 | 9000453086 | F000ALO700

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209394 | 2006209405 | 2006209435 | 9002453038 | 9002453074 | 9002453082 - **Italacciai:** SD312 - **Lester:** 18122 | 18259 - **Lucas:** TNB439  
**Lucas Indiel:** 222439 - **WAI:** 549112

**0119****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Lancia:** Flavia | **Fulvia - Volkswagen:** Transporter 1.2

**MOTOR**

**Bosch:** 0001207001 | 0001207002 | 0001208006 | 0001208017 | 0001310007

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209059 | 1006209060 | 1006209067 | 1006209117 | 1006209119 | 1006209320 | 1006209321 | 1006209322 | 1006209323 | 1006209324 | 1006209325 | 1006209329 - **Italacciai:** SD456 - **Lester:** 16318 | 16319 | 16327 | 16329 | 16355 | 16396 - **Volkswagen:** 113911335A | 113911335B

**0120****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Fiat:** 1100TD | 124 | 124 Special | 127 0.9, 1.05, 1.3 | 128 | 131 1.3 | 141 | 238 | 241T | Panda 45 4X4 | Regata 1.1, 1.3 | Regata 70 | Ritmo 60 | Ritmo 65 | Ritmo 75 | Ritmo 85 | Ritmo Super | Uno 0.9, 1.1 e 1.3 | X1/9 - **Lancia:** Delta 1.3 | Prisma 1.3 - **Seat:** 1200 Sport 1430 cc | 124 | 124D | 124D Special | 127 | 127 Fura | 128.3P | 131 | 131L | 138 | Ritmo

**0120****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**MOTOR**

**Femsa:** MTS121 | MTS1222 | MTS1223 | MTS1229 | MTS1234 | MTS1239 | MTS1242 | MTS1247 | MTS1248 | MTS12P2 | MTS12P19 | MTS12P20 | MTS12P29 | MTS12V13 | MTS12V25 - **Fiat:** 4142222 | 4142223 | 4143828 | 4152196 | 4181961 | 4198226 | 4198227 | 4198600 | 4198601 | 4204698 | 4204699 | 4229113 | 4229114 | 4474805 | 4474917 - **Italacciai:** MTS1201 - **Magneti Marelli:** 63220700 | 63220701 | 63220702 | 63220705 | 63220706 | 63220720 | 63220721 | 63220723 | 63220724 | 63220731 | 63220740 | 63220741 | 63220743 | 63220744 | 63220746 | 63220800 | 63220833 | 63220834 | 63220836 | 63220900 | 63220932 | 63220940 | 63221300

**EQUIVALENTE / Equivalent**

**Bosch:** 9001336222 - **Femsa:** 03550 | 170613 | 1706114 - **Fiat:** 4130651 | 4142235 | 4145751 | 4202988 | 4249166 | 9936036 | 9941892 - **Garef:** 58350001 | 58350002  
**Italacciai:** SD107 - **Lester:** 16465 | 16521 | 16593 | 16700 - **Lucas Indiel:** 227632 - **WAI:** 549305

**0126****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 162

**APLICAÇÃO / Application / Aplicación**

**Ford:** Galaxie | Landau | LTD | Maverick com motor 302 CID 8 cil 1976...

**MOTOR**

**Wapsa:** MPB35

**EQUIVALENTE / Equivalent**

**Wapsa:** 224039

**0131****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Sedan 1200 | Sedan 1300 | Sedan 1500 | Sedan 1600 | Transporter 1.5, 1.6

**MOTOR**

**Bosch:** 0001160003 | 0001160013 | 0001207016 | 0001207018 | 0001207019 | 0001211012

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209061 | 1006209102 | 1006209104 | 1006209161 | 1006209339 | 2006209160 | 2006209161 | 2006209311 - **Italacciai:** SD457 - **Lester:** 16396 | 16450  
**Lucas Indiel:** 223317 - **Volkswagen:** 113911335C - **WAI:** SP842261

**0135****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**American:** Ambassador V8 4.8L 290cid 1968...1969 | Ambassador V8 5.0L 304cid 1970...1974 | Ambassador V8 5.0L 4982cc 304cid 1970...1974 | Ambassador V8 5.0L 4983cc 304cid 1970...1974 | Ambassador V8 5.6L 343cid 1967...1969 | Ambassador V8 5.6L 5585cc 343cid 1967...1969 | Ambassador V8 5.9L 360cid 1970...1974 | Ambassador V8 5.9L 5899cc 360cid 1970...1974 | Ambassador V8 5.9L 5900cc 360cid 1970...1974 | Ambassador V8 6.4L 390cid 1968...1970 | Ambassador V8 6.4L 6391cc 390cid 1968...1970 | Ambassador V8 6.6L 401cid 1971...1974 | Ambassador V8 6.6L 6571cc 401cid 1971...1974 | Ambassador V8 6.6L 6572cc 401cid 1971...1974 | American | AMX 8 cil 5.0L 304cid 1972...1974 | AMX 8 cil 5.0L 4982cc 304cid 1972...1974 | AMX 8 cil 5.0L 4983cc 304cid 1972...1974 | AMX 8 cil 5.9L 5899cc 360cid 1971...1974 | AMX 8 cil 5.9L 5900cc 360cid 1971...1974 | AMX 8 cil 6.6L 6571cc 401cid 1971...1974 | AMX 8 cil 6.6L 6572cc 401cid 1971...1974 | AMX V8 4.8L 290cid 1968...1969 | AMX V8 5.6L 343cid 1968...1969 | AMX V8 5.6L 5585cc 343cid 1968...1969 | AMX V8 5.9L 360cid 1970 | AMX V8 5.9L 5899cc 360cid 1970 | AMX V8 5.9L 5900cc 360cid 1970 | AMX V8 6.4L 390cid 1968...1970 | AMX V8 6.4L 6391cc 390cid 1968...1970 | Gremlin L6 3.8L 232cid 1973...1976 | Gremlin L6 3.8L 3802cc 232cid 1973...1974 | Gremlin L6 4.2L 258cid 1973...1976 | Gremlin L6 4.2L 4228cc 258cid 1973...1974 | Gremlin L6 4.2L 4229cc 258cid 1973...1974 | Gremlin V8 5.0L 304cid 1972...1976 | Gremlin V8 5.0L 4982cc 304cid 1972...1974 | Gremlin V8 5.0L 4983cc 304cid 1972...1974 | Hornet L6 3.8L 232cid 1973...1976 | Hornet L6 3.8L 3802cc 232cid 1973...1974 | Hornet L6 4.2L 258cid 1973...1976  
**Jeep Truck:** Cherokee L6 4.2L 258cid 1974...1976 | Cherokee L6 4.2L 4228cc 258cid 1974 | Cherokee L6 4.2L 4229cc 258cid 1974 | Cherokee V8 5.9L 360cid 1974...1976

**MOTOR**

**Autolite Prestolite:** C5AF1A | C5AF/1A - **Ford:** C6FF11001 | C6FF11001A | C9FF11001B | D0FF11001B | D0FF11001C

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0004 - **Chrysler:** FO1912 | LM1901 | PL1991 - **Ford:** C6FF11350B | C9FF11350A | D6FF11350AA | D6FF11350BA - **Lester:** 3207 | 3208 | 3209 | 3211 | 3212 - **Remy:** 1838065 | 1938065 - **WAI:** 54208

**0139****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** 200 | 220 | 230 | 250 | 280

**MOTOR**

**Bosch:** 0001313004

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209080 | 1006209439 | 9001043178 - **Italacciai:** SD309 - **Lester:** 16299 | 16543 - **WAI:** 549130

**0140****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**Daihatsu:** Charmant | Delta - **Toyota:** Carina 1.4, 1.6, 2.0 | Celica 1.4, 1.6, 2.0, 2.2, 2.3 | Corolla | Corona 1.4, 1.6, 1.8, 1.9, 2.0, 2.2, 2.3, 2.6 | Crown | Dyna | FJ 60 | Hi Ace | Hilux | Mark2 | Sprinter 1.6

**MOTOR**

**Nippondenso:** 280002250 | 280002260 | 280002364 | 280002660 | 280002681 | 280003051 | 280003710 | 280004330 | 280006100 | 280006103 | 280006422 | 280006494 | 280006800 | 280006810 | 280006813 | 280006823 | 280007093 | 280007132 | 280007332 | 280007460 | 280007461 | 280007470 | 280007520 | 280007521 | 280007780 | 280007981 | 280009010 | 280009020 | 280009570 | 280009680 | 280009960 | 1280001610 | 1280002050 | 1280008130 - **Toyota:** 2810034070 | 2810040061 | 2810042021 | 2810044041 | 2810060042

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0023 - **Lester:** 16215 | 16222 | 16224 | 16230 | 16238 | 16261 | 16766 | 16832 | 16843 | 17354 - **Lucas Indiel:** 223199 - **Nippondenso:** 0283000660 | 0283000901 | 0283000911 | 0283001951 | 0283003350 - **Toyota:** 2801115010 | 2801141020 | 2801141021 | 2801160040 | 2801160041 - **WAI:** 548207

**0141****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Chevy Lux - **Isuzu:** KB20 - **Nissan:** 1200 | 120Y | 1300 | 140Y | 160Y | Bluebird | Cedric | Cherry | Laurel | Skyline | Violet

**MOTOR**

**General Motors/Chevrolet:** 94021044 | 94022494 | 94024438 - **Hitachi:** S11423 | S11471 | S11472 | S11487 | S11488 | S11491 | S11492 | S14455 | S114100 | S114103 | S114108 | S114118 | S114121 | S114122 | S114131 | S114133 | S114134 | S114136 | S114143 | S114150 | S114156 | S114192 | S11423K | S11487L | S11487M | S11487P | S11491K | S11492K | S144192 | S114103K | S114103L | S114103M | S114103N | S114103P | S114108L | S114121N | S114122N - **Isuzu:** 8821001260 | 8942010201 | 9821001260 | 9821006060 | 9821006350 - **Nissan:** 2330008700 | 2330009500 | 2330009600 | 2330009602 | 2330010600 | 2330010601 | 2330010605 | 2330010615 | 2330015800 | 2330015805 | 2330018000 | 2330018005 | 2330018015 | 2330021000 | 2330021005 | 2330021006 | 2330021007 | 2330021008 | 2330021009 | 2330021017 | 2330026900 | 2330026901 | 2330043300 | 2330043305 | 2330043405 | 2330048300 | 2330048301 | 2330078505 | 2330079400 | 23300E3000 | 23300E3001 | 23300E3100 | 23300E3101 | 23300H0100 | 23300H0101 | 23300H3900 | 2330221008 | 4330078505 | 23300099600

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 94021427 - **Hitachi:** 2114N1550 | 2114N1560 | 2114N4550 - **Isuzu:** 8821213620 | 8921233010 | 9811233010 | 9821233010 - **Lester:** 16190 | 16201 | 16203 | 16205 | 16207 | 16209 | 16211 | 16246 | 16270 | 16805 - **Nissan:** 233120990 | 2331210600 | 2331210605 | 2331221000 | 2331221005 | 2331243601 | 23312E3000 | 23312E3300 | 23312E6000 | 23312N0900 - **WAI:** 548112

**0144****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**Ford:** Laser - **Mazda:** Capella | Familia | Luce | Pick Up 1000 1.2 | Proceed - **Mitsubishi:** Celeste 1.6 com motor 4G5 | Colt 1.2 com motor 4G5 | Colt Galant 1.8, 2.0 com motor 4G5 | Galant 1.6 com motor 4G5 | Lancer Galant 4G5 | Trator - **Nissan:** 260 | 280 | Caball | E60 | ZX 300

**MOTOR**

**Mazda:** 22218400 | 32418400 | 022218400A | 032418400A | 042618400A | 042618400B | 489418400B | 489418400C | 489418400D - **Mitsubishi:** MEWR | MQJR | ME031 | ME041 | MQJ1R | MQJ2R | MQJ6R | MCA020 | ME10WR | MEA010 | MEA011 | MEA030 | MEA031 | MEA040 | MEA041 | MEA061 | MEA071 | MEA121 | MEC012 | MED030 | MED031 | MED032 | MED034 | MED041 | MED042 | MED074 | ME10AZR | ME12AZR | M2T10171 | M2T10271 | M2T15772 | M3T10071 | M3T10072 | M3T10171 | M3T10271 | M3T10272 | M3T10371 | M3T10372 | M3T10572 | M3T10672 | M3T11172 | M3T11173 | M3T11174 | M3T11272 | M3T11372 | M3T11373 | M3T11772 | M3T12372 | M3T12572 | M3T12672 | M3T13071 | M3T13072 | M3T15072 | M3T15073 | M3T15074 | M3T15075 | M3T15171 | M3T15271 | M3T15372 | M3T15675 | M3T15772 | M3T15872 | M3T15972 | M3T19171 | M3T19271 | M3T19471 | M4T14674 | M4T14372 | M4T14572 | M4T14672 | M4T14673 | M4T14674 | M4T14771 | M4T14872 | M4T41672 | MD001550 | MD001552 | MD001553 | MD003550 | MD003551 | MD011550 | MD011553 | MD021665 | MD021666 | MD021670 | MD021672 | MD021676 | MD021679 | MD021686 | MED10AZR | M3T11173Q - **Nissan:** 2330078511

**EQUIVALENTE / Equivalent**

**Facet:** 10127 - **Lester:** 16210 | 16500 | 16519 | 16520 | 16522 | 16524 | 16571 | 16588 | 16720 | 16742 | 18097 - **Lucas Indiel:** 223201 - **Mazda:** 022224722 | 175723709 - **Mitsubishi:** K300 | K320 | MD02052 | MD600679 | MD602052 | MD602678 | MD602679 | MD6020599 | M191T30171 | M191T30971 | M191T30972 | M191T30973 | M191T33071 | M191T602052 | M191T602059 - **Nissan:** 23312E3010 - **WAI:** 548305 - **Ww:** 10127

**0158****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación**

**Peugeot:** 404 | 504 | 505

**MOTOR**

**Lucas Indiel:** 583514243

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0025 - **Lucas Indiel:** 227327 | 58351424

**0160****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Ford:** F100 1977... | Fairlane 77 | Falcon - **Peugeot:** Peugeot com motor indenor XD4. 88**MOTOR****Lucas Indiel:** 35255556 | 35255999**EQUIVALENTE / Equivalent****Bosch:** 1987BE0026 - **Lucas Indiel:** 227331 | 35257331 | 4A504187**0161****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Ford:** Falcon 1963...1977 - **General Motors/Chevrolet:** Pick Up 400 | Pick Up C10 1963...1978 - **Opel:** K 180**EQUIVALENTE / Equivalent****Bosch:** 1987BE0027 - **Lucas Indiel:** 227332 | 4A54440 | 35257332**0162****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Ford:** F100 | F1000 gasolina 6 cil 1995 | F150 | F250 | F350 | F400 | F600 | Fairlane | Falcon | Ranchero**MOTOR****Lucas Indiel:** 35258000**EQUIVALENTE / Equivalent****Bosch:** 1987BE0028 - **Lucas Indiel:** 228131 | 35257090 | 35257340 | 35258131**0183****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Fiat:** 128 com motor 1100 e 1300 - **Renault:** 4, 6 e 12 com motor 1100**MOTOR****Ducellier:** 6128A | 6144A**EQUIVALENTE / Equivalent****Bosch:** 1987BE0005 - **Ducellier:** 079692 - **Lester:** 16466 - **Lucas Indiel:** 227326 | 1018679**0184****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Daihatsu:** Charmant 1.3, 1.4, 1.6 | Delta - **Toyota:** Carina 1.4, 1.6 | Celica 1.4, 1.6 | Copain 1.0 | Corolla 1.2, 1.3, 1.4, 1.6 | Corona 1.4, 1.6 | Lite Ace | Pick Up | Sprinter | Starlet 1.0, 1.2**MOTOR**

**Ford:** SAE674A | D27Z11002A | D2TZ11002A | D37Z11002A | D2TZ110002A - **Italacciai:** 28002150 - **Mazda:** 57818400 - **Mitsubishi:** MD011550 - **Nippondenso:** 280000430 | 280001730 | 280001940 | 280001970 | 280001971 | 280001972 | 280001973 | 280002140 | 280002141 | 280002150 | 280002151 | 280002240 | 280002241 | 280002660 | 280002661 | 280002890 | 280002930 | 280002931 | 280002932 | 280002933 | 280003000 | 280003240 | 280003241 | 280003320 | 280003330 | 280003331 | 280003332 | 280003500 | 280003800 | 280003830 | 280003841 | 280003900 | 280003901 | 280004030 | 280004031 | 280004032 | 280004040 | 280004041 | 280004042 | 280004050 | 280004090 | 280004180 | 280004500 | 280004520 | 280004530 | 280004600 | 280004601 | 280004630 | 280004650 | 280004660 | 280004680 | 280004690 | 280004691 | 280004700 | 280004710 | 280005070 | 280005071 | 280005280 | 280006220 | 280006790 | 280009690 - **Suzuki:** 3110063210 - **Toyota:** 281002470 | 2810010012 | 2810010013 | 2810012030 | 2810012040 | 2810015050 | 2810015140 | 2810021030 | 2810022010 | 2810022011 | 2810022012 | 2810022020 | 2810022021 | 2810022022 | 2810023010 | 2810023012 | 2810024012 | 2810024020 | 2810024022 | 2810024030 | 2810024031 | 2810024060 | 2810024061 | 2810024070 | 2810024080 | 2810024090 | 2810024100 | 2810024680 | 2810025010 | 2810025011 | 2810025012 | 2810026020 | 2810026021 | 2810026022 | 2810032021 | 2810040040 | 2810040050 | 2810041010 | 2810041011 | 2810060010 | 2810087104 | 28100240012 | 28100240060

**EQUIVALENTE / Equivalent**

**Ford:** SDE198 | D27Z11350A | D37Z11350A - **Italacciai:** SD152 - **Lester:** 16215 | 16218 | 16230 | 16242 | 16245 | 16260 | 16261 | 16633 | 16637 | 16646 - **Lucas Indiel:** 223464 - **Mazda:** 029024830 - **Mitsubishi:** MD604047 | MD604048 | MD604080 - **Nippondenso:** 0283000851 | 0283001020 | 0283001540 | 0283001542 - **Suzuki:** 3132063210 - **Toyota:** 2801122010 | 2801122020 | 2801122022 | 2801123020 | 2801124020 | 2801124060 | 2801124080 | 2801126020 | 2801133033 | 2801140041 | 2801146010 | 2801187102 - **WAI:** 548208 - **Ww:** 10121 | 10501 | 10504

**0189****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** Especial/Special - **Citroën:** Especial/Special - **Peugeot:** Especial/Special - **Renault:** Especial/Special**MOTOR****Ducellier:** 6189 | 6190 | 6212 | 6216 | 6220 | 6226 | 6237 | 6238 | 6242 | 6246 | 6247 | 6222A | 6226A | 6240A | 6242A | 532005 | 532007 | 532020 | 532026 | 533000 | 533002 | 533003 | 533004 | 534003 | 534004 | 534005 | 534007 | 6190AB | 6212AB | 6220AB | 6237AB | 6238AB | 6246AB | 6247AB | 532005A | 532007A | 533000A | 533002A | 534002A | 534003A | 583008A | 618090B | 618565A | 618795A | 6216ABC | 534004AB | 534005AB | 618078AB | 618358AB | 618482AB | 618484AB | 618077DEF | 618091ABC | 6189ABCDEF - **Italacciai:** 006237A - **Paris Rhone:** D8E83 | D8RA114**EQUIVALENTE / Equivalent****Bendix:** 299033 | 299955 | 310629 | 313910 | 324565 | 325228 - **Ducellier:** 605028 | 605055 | 612355 - **Fiat:** 9937711 - **Italacciai:** SD117 - **Lester:** 16462 | 16484  
**Lucas:** TMB211 - **Lucas Indiel:** 223467 - **Paris Rhone:** 078862 | 092079 | 093297 | 096118 - **Valeo:** NE180 | NE319 | 612355 - **WAI:** 549417**0191****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Karmann Ghia 1968...1972 | Kombi 1.2, 1.3, 1.5 1968...1972 | Pick Up 1.2, 1.3, 1.5 1968...1972 | Sedan 1.2, 1.3, 1.5 1968...1972 | SP1 1968...1972 | SP2 1968...1972 | TC1600 1968...1972 | TL1600 1968...1972 | Variant 1968...1972**MOTOR****Bosch:** 9000082003**EQUIVALENTE / Equivalent****Bosch:** 9001082128 | 9001082422 - **Lucas:** TMB486 - **Lucas Indiel:** 221486**0192****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Brasília 1968...04/1981 | Karmann Ghia 1968... | Kombi 1.2, 1.3, 1.5 1968...04/1981 | Pick Up 1.2, 1.3, 1.5 1968...04/1981 | Sedan 1.2, 1.3, 1.5 1968...04/1981 | SP1 1968... | SP2 1968... | SP2 1968...04/1981 | TC1600 1968... | TL1600 1968... | Variant 1968...**MOTOR****Wapsa:** MWV12 | MWV12F**EQUIVALENTE / Equivalent****Bosch:** 1987BE0123 | 9001451292 - **Lucas:** TMB487 - **Lucas Indiel:** 221487 - **Volkswagen:** 1119113354 - **Wapsa:** 224012**0205****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 163

**APLICAÇÃO / Application / Aplicación****Ford:** Falcon | Mustang II L4 2.0L 1989cc 122cid 1974 | Mustang II L4 2.0L 1993cc 122cid 1974 | Mustang II L4 2.3L 140cid 1974...1977 | Mustang II L4 2.3L 2295cc 140cid 1974 | Mustang II L4 2.3L 2302cc 140cid 1974 | Pinto L4 1.6L 1598cc 98cid 1971...1973 | Pinto L4 1.6L 1599cc 98cid 1971...1973 | Pinto L4 2.0L 1989cc 122cid 1971...1974 | Pinto L4 2.0L 1993cc 122cid 1971...1974 | Pinto L4 2.3L 140cid 1974...1977 | Pinto L4 2.3L 2295cc 140cid 1974 | Pinto L4 2.3L 2302cc 140cid 1974 - **Mercury:** Bobcat L4 2.3L 140cid 1975...1977 - **Versatile:** 330 1970...1978**MOTOR****Ford:** C4DZ11001A | C4DZ11001B | D0DF11001A | D1FF11001A | D1FF11001AA**EQUIVALENTE / Equivalent****Chrysler:** FO1903 | FO1910 - **Ford:** C2DF11350C | C4DF11350A | C4DZ11350A | C4DZ11350B | C4ZZ11350B | C8DF11350B | C8DF11350G | C8OF11350A | D1RY11350B | D1RY11350C | D2RY11350B | D4RY11350A | D6PZ11350A | D6EF11350AA | D6EF11350BA | D6GF11350AA | D6GF11350BA - **Lester:** 3148 - **Remy:** F2003 | 1972286 - **WAI:** SP9013**0213****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Fiat:** 124 Special 1.4 e 0.6 | 125 Special | 130 | 131 1.6 e 1.8 | 132 1.6, 1.8 e 0.2 | Abarth Rally | Brava | Campagnola 1107 A | Campagnola AD | Campagnola JD | Dino | Racing | Special 1.6 | Sport Coupe | Sport Spider | Super Brava | Super Mirafiori Biald 1.3, 1.6, 1.8 - **Lada:** 2104 | Lada 1200 | Lada 1500 | Laika | Niva | Niva Vaz 2121 - **Lancia:** Beta | HPE | Trevi - **Seat:** 124 1.8 | 131 1.6 | 131E | 132 | 1430 1.6, 1.8**MOTOR****CBT:** 21013708000 - **Femsa:** MTD129 | MTD1214 | MTD1219 | MTD12H8 | MTD12P6 | MTD12V9 - **Fiat:** 4156064 | 4162784 | 4206634 | 4285916 | 4294494 | 4294495 | 4474599 | 4474714 | 4474746 | 4474747 | 4474762 | 4474976 | 4474979 | 4475025 | 4475130 - **Italacciai:** MTD1209 - **Magneti Marelli:** 36222700 | 63222400 | 63222405 | 63222408 | 63222409 | 63222430 | 63222435 | 63222438 | 63222439 | 63222501 | 63222502 | 63222531 | 63222532 | 63222536 | 63222602 | 63222605 | 63222632 | 63222635 | 63222636 | 63222700 | 63222701 | 63222706 | 63222730 | 63222731 | 63222736 - **Porsche:** 21013708000 | CT2213708000

**0213****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

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**EQUIVALENTE / Equivalent**

**Bosch:** 9001133219 - **CBT:** 210137086200 | CT2213708600 - **Femsa:** 1706110 - **Fiat:** 4154293 | 4243124 | 4475122 - **Garef:** 1470824 - **Italacciai:** SD108 - **Lada:** 21013798620 | 210103708620 | CT2213708600 - **Lester:** 16257 - **Lucas:** TMB620 - **Lucas Indiel:** 221601 - **Porsche:** 21013708620 | CT2213708600 - **WAI:** 549306

**0215****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación**

**Peugeot:** 504 Diesel | 505 Diesel | Pick Up 504 com motor Indenor XD-2S | Pick Up 504 com motor Indenor XD-6.90 | Pick Up 504 com motor Indenor XD-4.90

**MOTOR**

**Italacciai:** D11E159 - **Paris Rhone:** D11E159 | D11E165

**EQUIVALENTE / Equivalent**

**Italacciai:** SD400 - **Lucas Indiel:** 223481 - **Paris Rhone:** 95990

**0216****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación**

**Peugeot:** 504 D | 505 D | 604 TD | J7 D | J9 D - **Renault Agri:** R 7221 - **Volvo:** Motor Estacionário com motor Indenor XDP 4.90 e 6.90 | Motor Marine com motor Indenor XDP 4.90 e 6.90

**MOTOR**

**Italacciai:** D11E156 - **Paris Rhone:** D11E156

**EQUIVALENTE / Equivalent**

**Italacciai:** SD813 - **Lester:** 16715 - **Lucas Indiel:** 223482 - **Paris Rhone:** 95956 - **WAI:** 549413

**0217****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación**

**Peugeot:** 403 Diesel | 404 Diesel | 504 Diesel - **Renault:** Trator R7201 | Trator R85 | Trator R87

**MOTOR**

**Italacciai:** D11E079 - **Paris Rhone:** D11E79 | D11E105 | D11E109 | D11E110 | D11E115 | D11E142 | D11E143

**EQUIVALENTE / Equivalent**

**Bendix:** 333418 - **Italacciai:** SD192 - **Paris Rhone:** 55105 | 70672 - **Valeo:** NE156

**0220****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación**

**Ford:** Capri 1.3 e 1.6 | Escort 1.1 e 1.3 | Taunus 1.3 e 1.6

**MOTOR**

**Bosch:** 0001208049 | 0001211206 | 0001211989

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209437 | 2006209321 - **Italacciai:** SD447 - **Lester:** 16405 - **WAI:** 549155

**0221****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** 220 L4 2.2L 2197cc 134cid gasolina 1968...1973 | 220 L4 2.2L 2197cc gasolina 1968...1973 | 220D L4 2.2L 2197cc 134cid gasolina 1968...1973 | 220D L4 2.2L 2197cc gasolina 1968...1973 | 230 L4 2.3L 2307cc 141cid gasolina 1968...1969 | 230S L6 2.3L 2306cc 141cid gasolina 1968...1969 | 230SL L6 2.3L 2306cc 141cid gasolina 1963...1967 | 250 L6 2.5L 2496cc 152cid gasolina 1968...1970 | 250 L6 2.8L 2778cc 169cid gasolina 1971...1973 | 250 L6 2.8L 2778cc gasolina 1971...1972 | 250C L6 2.8L 2778cc 169cid gasolina 1969...1973 | 250C L6 2.8L 2778cc gasolina 1970...1972 | 250S L6 2.5L 2496cc 152cid gasolina 1966...1968 | 250SE L6 2.5L 2496cc 152cid gasolina 1966...1968 | 250SEC L6 2.5L 2496cc 152cid gasolina 1966...1968 | 250SL L6 2.5L 2496cc 152cid gasolina 1966...1968 | 280 L6 2.8L 2746cc gasolina 1973...1976 | 280C L6 2.8L 2746cc gasolina 1973...1976 | 280CE L6 2.8L 2746cc gasolina 1978...1980 | 280CE L6 2.8L 2778cc gasolina 1981 | 280E L6 2.8L 2746cc gasolina 1977...1980 | 280E L6 2.8L 2778cc gasolina 1981 | 280S L6 2.8L 2746cc gasolina 1975...1976 | 280S L6 2.8L 2778cc gasolina 1969...1971 | 280SE L6 2.8L 2746cc gasolina 1977...1980 | 280SE L6 2.8L 2778cc gasolina 1969...1972 | 280SE V8 3.5L 3504cc gasolina 1970 | 280SE V8 4.5L 4520cc gasolina 1972...1973 | 280SEC L6 2.8L 2778cc 169cid gasolina 1969...1970 | 280SEL L6 2.8L 2778cc 169cid gasolina 1969...1971 | 280SEL L6 2.8L 2778cc gasolina 1969...1971 | 280SEL V8 4.5L 4520cc 276cid gasolina 1972...1973 | 280SEL V8 4.5L 4520cc gasolina 1972...1973 | 280SL L6 2.8L 2778cc 169cid gasolina 1969...1971 | 280SL L6 2.8L 2778cc gasolina 1969...1971 | 300 L6 2.5L 2496cc 152cid gasolina 1969...1971 | 300SEL L6 2.8L 2778cc gasolina 1968...1969 | 300SEL L6 3.0L 183cid gasolina 1963...1967 | 300SEL L6 3.0L 2996cc 183cid gasolina 1963 | 300SEL L6 3.0L 2996cc 183cid gasolina 1965 | 300SEL V8 3.5L 3504cc gasolina 1970...1971 | 300SEL V8 4.5L 4520cc gasolina 1972...1973 | 350SL V8 4.5L 4520cc 276cid gasolina 1972 | 350SL V8 4.5L 4520cc gasolina 1972 | 380SE V8 3.8L 3839cc gasolina 1984...1985 | 380SEC V8 3.8L 3839cc gasolina 1982...1983 | 380SEL V8 3.8L 3839cc gasolina 1981...1983 | 380SL V8 3.8L 3839cc gasolina 1981...1985 | 380SLC V8 3.8L 3839cc gasolina 1981 | 420SEL V8 4.2L 4196cc gasolina 1986...1987 | 450SE V8 4.5L 4520cc gasolina 1973/1974...1976 | 450SEL V8 4.5L 4520cc gasolina 1973/1974...1976 | 450SL V8 4.5L 4520cc gasolina 1973/1974...1976 | 450SLC V8 4.5L 4520cc gasolina 1973/1974...1976 | 500SEC V8 5.0L 4973cc gasolina 1984...1985 | 500SEL V8 5.0L 4973cc gasolina 1984...1985 | 560SEC V8 5.6L 5547cc gasolina 1986...1987 | 560SEL V8 5.6L 5547cc gasolina 1986...1987

**MOTOR****Bosch:** 0001313003 | 0001313004 | 0001313005 | 0001313006 | 0001313007 | 0001314002 | 0001314005**EQUIVALENTE / Equivalent****Bosch:** 1006209402 | 2006209273 - **Italacciai:** SD469 - **Lester:** 16299 | 16543 - **Lucas:** TMB404 - **Mercedes Benz:** 0001515813 - **WAI:** 549130**0222****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Ford:** Capri 1.3, 1.6, 2.0 | Escort 1.1, 1.3, 1.6 | Escort RS 1600 | Escort RS 2000 | Fiesta 1.1, 1.3, 1.6 | Fiesta XR2 | Granada | Taunus 1.3, 1.6, 2.0**MOTOR****Bosch:** 0001208220 | 0001208223 | 0001208232 | 0001208409 | 0001208423 | 0001211227 | 0001211228 | 0001211239 | 0001311113**EQUIVALENTE / Equivalent****Bosch:** 1006209429 - **Italacciai:** SD137 - **Lester:** 16405 | 16530 | 16595 - **Lucas Indiel:** 223486 - **WAI:** 549131**0223****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 2600TT - **BMW:** 1500 | 1502 | 1600 | 1602 | 1800 | 1800Ti | 1802 | 2000 | 2002 | 2002 Turbo | 2500 | 2800 | 3000 | 316 | 318 | 320 | 320i | 3300 | 518 | 520 | 520i | 525 | 528 | 528i | 728 - **Ford:** Transit 100 | Transit 1250 | Transit 1500 | Transit 800 - **Kawasaki:** 33 | 34 - **KHD:** D25 | D2505 | D30 | D30 S | D3005 | F2L712 | F2L812 - **Mercedes Benz:** L206 | L207 | L306 | L307 - **Porsche:** 33.1 | 616

**MOTOR****Bosch:** 0001207003 | 0001207006 | 0001207012 | 0001207014 | 0001207015 | 0001208004 | 0001208006 | 0001208007 | 0001208032 | 0001209001 | 0001209006 | 0001209014 | 0001211020 | 0001214001 | 0001310005 | 0001310010 | 0001310013 | 0001311007 | 0001311016 | 0001311025 | 0001311045**EQUIVALENTE / Equivalent****Bosch:** 1006209030 | 1006209032 | 1006209039 | 1006209049 | 1006209056 | 1006209071 | 1006209105 | 1006209110 | 1006209140 | 2006208013 | 9003336212**Italacciai:** SD306 - **Lester:** 16320 | 16334 | 16336 | 16344 | 16356 | 16362 | 16442 | 16687 | 17414 - **Lucas Indiel:** 223320 - **WAI:** 549127**0225****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** Alfetta 2.0 turbo diesel - **KHD:** F1L410 | F2L410 | F2L411 | F3L912 | FHL912 - **Lamborghini:** 503DT | 603DT | R503 | R603**MOTOR****Bosch:** 0001358017 | 0001358038 | 0001358046 | 0001358047**EQUIVALENTE / Equivalent****Bosch:** 2006209071 | 2006209366 | 2006209386 | 2006209916 - **Fiat:** 8122123 - **Italacciai:** SD013 - **Lester:** 17074 | 17112 - **WAI:** 549148**0227****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** 220B | 220SB | 220SEB - **Volvo:** 100100 | 100200 | 121 | 122 | 123 | 144 | 210 | 221 | AQ90 | AQ95 | C303 | C304 | C306 | P1800S



**0227****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**MOTOR****Bosch:** 0001354010 | 0001354029 | 0001354034 | 0001354036 | 0001354040 | 0001354046 | 0001354049 | 0001354065 | 0001355004**EQUIVALENTE / Equivalent****Bosch:** 2006209021 | 2006209032 | 2006209181 | 2006209902 | 9003336212 - **Femsa:** 150534 - **Italacciai:** SD415**0228****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Audi:** 100 5D turbo D 2.0 - **Mercedes Benz:** 180D 2.5 | 200D | 207D | 209D | 220D | 240D | 240D 3.0 | 240GD | 240TD | 300CD | 300D | 300GD | 300SD | 300TD | 307D | 309D | 407D | 409D | D206 | D306 | DG206 | DG306 | L206 | L306 | L407D | O309D | U52 60 | U600 - **Volkswagen:** LT28 | LT31 | LT35 | LT40 | LT45 | LT50D - **Volvo:** 240D5 | 240D6 | 760 turbo diesel**MOTOR****Bosch:** 0001362038 | 0001362047 | 0001362069 | 0001362070 | 0001362077 | 0001362078 | 0001362083 | 0001362600 | 0001362601 | 0001362605 | 9000143408 - **Iskra:** 11130300**EQUIVALENTE / Equivalent****Bosch:** 2006209471 | 2006209500 - **Cargo:** 130414 - **Iskra:** 16900920 - **Italacciai:** SD060 | SD307 - **Lester:** 16445 | 16949 | 16957 | 16999 - **Lucas:** TMB471  
**Lucas Indiel:** 223222 - **WAI:** 549118**0229****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Kombi | Transporter 1.6, 1.9, 2.0**MOTOR****Bosch:** 0001211221 | 0001211222 | 0001211251 | 0001211252 | 0001211253 | 0001211254**EQUIVALENTE / Equivalent****Bosch:** 1006209423 | 9001042013 | 9001042032 - **Italacciai:** SD453 - **Lester:** 16401 | 16546 | 16722 | 17066 - **Lucas:** TMB439 - **WAI:** 549133**0238****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Ford:** Sierra 2.3 | Taunus 2.0 e 2.3**EQUIVALENTE / Equivalent****Bosch:** 1987BE0029 - **Lucas Indiel:** 227339 | 35256777**0243****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Ascona | Blitz | Kadett | Manta | Omega 2.0 | Vectra 2.0 - **Opel:** Kadett**MOTOR****Remy:** 3471141 | 3471143 | 3471144**EQUIVALENTE / Equivalent****Bendix:** 344511 - **Lester:** 16443 - **Lucas Indiel:** 223223 - **Remy:** DR2000 | DR2001 | DR2003 | 3471040 | 3471490 | 3471912 - **WAI:** SP842284**0244****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

**APLICAÇÃO / Application / Aplicación****Dacia:** ARO - **Renault:** R12 | R15 | R17 | R5 | R6 | R8 - **Volvo:** Especial/Special**MOTOR****Ducellier:** 6206AB | 532017A | 6183CFG | 6224BCD | 6231ABC | 532000AB | 532001AB | 6203ABCD | 6227ABCD | 6178ABCEF - **Italacciai:** 006162E**EQUIVALENTE / Equivalent****Bendix:** 286942 | 293398 | 294698 | 295883 | 297440 | 303300 | 303710 | 305949 | 307049 | 309008 - **Bosch:** 1987BE0006 - **Ducellier:** 6162 | 6187 | 6203 | 6206 | 6224 | 018678 | 019567 | 532000 | 532001 | 532017 | 606416 | 609477 | 611736 | 6227AB | 6227CD | 681380 | 6183CFG | 6231ABD - **Italacciai:** SD158 - **Lester:** 16488  
**Lucas Indiel:** 35255553 | 35257326 - **Valeo:** NE325 | 681380 - **WAI:** 549419

**0245****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 164

APLICAÇÃO / Application / Aplicación

Renault: R4 | R5 | R6

MOTOR

Ducellier: 6185ABC | 6219ABC - Italcacciai: 006138A

EQUIVALENTE / Equivalent

Bendix: 289862 | 302613 - Ducellier: 60846 | 681378 - Italcacciai: SD194 - Lester: 6185 - Lucas Indiel: 223505 - Valeo: NE324 - WAI: 549418

**0248****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Renault: R12 | R12 Canada | R18 | R4 | R5 | R5 U.S.A | R6 | Trafic

MOTOR

Italcacciai: D8E081 - Paris Rhone: D8E81 | D9E12 | D9E20 | D9E22 | D9E26 | D9E34 | D9E35 | D9E37 | D9E41 | D8E121 | D8E142 | D8E152

EQUIVALENTE / Equivalent

Bendix: 325231 - Italcacciai: SD324 - Lester: 16488 | 16597 | 16755 - Lucas Indiel: 223224 - Paris Rhone: 076980 | 093623 | 097062 - Valeo: 097062 | NE184 - WAI: 549402

**0285****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Renault: R5 | R6

MOTOR

Paris Rhone: D8E130 | D8E131

EQUIVALENTE / Equivalent

Bendix: 325232 - Italcacciai: SD002 - Paris Rhone: 95464 - Renault: 7701019295 - Valeo: 095464 | NE173

**0287****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Peugeot: 405 | 504 | 505 - Renault: R19 com motor valeo

MOTOR

Paris Rhone: D9E36 | D9E38 | D9E39 | D9E46 | D9E48 | D9E49 | D9E52 | D9E54 | D9E55 | D9E56 | D9E61 | D9E62 | D9E66 | D9E68 | D9E69 | D9E70 | D9E74 | D9E76 | D9E77 | D9E78 | D9E79 | D9E81 | D9E85 | D9E86 | D9E100 | D9E101 | D9E109 | D9E110 | D9E113 | D9E114 | D9E123 | D9E124 | D9E125 | D9E127 | D9E129 | D9E771 | D9E773 - Valeo: D9E123

EQUIVALENTE / Equivalent

Bosch: 1987BE0030 - Fiat: 9405835568 - Italcacciai: SD318 - Lester: 16619 | 16756 | 16797 | 17144 | 17157 - Lucas: TMB263 - Lucas Indiel: 221263 - Paris Rhone: 013610 | 99931 - Valeo: 099931 | NE197 | 184917 - WAI: 549415

**0291****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 30 | 32 | 35 | 40 AR8 - Fiat: 131D 2.0 e 2.5 | 132D 2.0 e 2.5 | 241TN | 40NC | 465C | 466DT | 480DT | 500 | 500DT | 505 | 505C | 505S | 50F8 | 50NC | 540 | 540DT | 55F8 | 55NC | 565C | 566DT | 570 | 570DT | 580 | 580DT | 60F8 | 616N3 4 | 625N3P | Argenta 2.5 | BI20 25 30 C | BIM20 25 | Campagnola diesel | DI12 15 | DT450 | Marengo D 2.5 | R450 - Fiat Iveco: Ducato 10 2.5D | Ducato 13 2.5D | Furgão Daily

MOTOR

Bosch: 0001362039 | 0001362062 | 0001362073 | 0001362102 | 0001362322 | 0001362323 | 0001363111 | 0001363122

EQUIVALENTE / Equivalent

Bosch: 2006209470 | 2006209483 | 9001451343 | F002G20279 - Fiat: 9936730 | 9937949 | 9956676 | 9983629 | 79026090 - Italcacciai: SD184 - Lucas Indiel: 223227 - WAI: 549117

**0292****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Blazer

MOTOR

Chrysler: 4226833 | 4240404 | 4339472 | 4339474 | 5213045 | 5213450 | 5226441 | 5226442

**0292****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

EQUIVALENTE / Equivalent

Bosch: 1006209475 | 1006209477 | 9001042100 - Chrysler: 5213384 - Lester: 16727 | 16974 - Lucas Indiel: 223321 - WAI: 549102

**0293****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Ford: 100 1.5 | Belina com motor CHT | Corcel II com motor CHT | Del Rey Scala com motor CHT | Escort 1.3, 1.6 com motor CHT | FT100 | FT125 | FT130 | FT150 | FT175 | FT190 1.7 | FT75 | Pampa todos com motor CHT - Volkswagen: Gol 1.8 a gasolina, álcool | Santana 1.8 a gasolina, álcool | Saveiro 1.8 a gasolina, álcool

MOTOR

Bosch: 9000451001 | 9000451010 | 9000451017 | 9000451024 - Wapsa: MWB23 | MWB25

EQUIVALENTE / Equivalent

Bosch: 9001451249 | 9001451251 - Lucas: TWB251 - Lucas Indiel: 223228 - Volkswagen: BD5M11350A | ZBC911335A - Wapsa: 224051 | 224053

**0294****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Puma: Puma GT com motor VW 05/1981... - Volkswagen: Brasília refrigerada a ar 05/1981...06/1981 | Gol refrigerado a ar 05/1981...06/1981 | Kombi refrigerada a ar 05/1981...06/1981 | Saveiro refrigerado a ar 05/1981...06/1982 | Sedan 1.3, 1.5, 1.6 refrigerado a ar 05/1981...06/1983

EQUIVALENTE / Equivalent

Lucas: TWB2520 - Wapsa: 224052

**0297****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Peugeot: Especial/Special - Renault: Especial/Special

MOTOR

Femsa: 259177

EQUIVALENTE / Equivalent

Bosch: 1987BE0031 - Femsa: 259177

**0300****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

BMW: 2500 | 2800 | 3000 | 3300 | 525 | 528 | 530 | 630 | 635 | 663 | 728 | 730 | 732 | 733 | 735 | 745 | M535i

MOTOR

Bosch: 0001311042 | 0001314001

EQUIVALENTE / Equivalent

Bosch: 1006209081 | 1006209444 | 9001693029 - Italcacciai: SD451 - Lester: 16362 - WAI: 549182

**0302****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Massey Ferguson: E7C | MF155 | MF158 | MF168 | MF186 | MF187 | MF188 | MF487 | MF507 | MF510 | MF520 | MF525 | MF87 | SC50 | SM6A | SM6B | SM6C | SM7 | SM8 | SM8TU - Perkins: Estacionários | Industriais | Tratores - Volvo: Especial/Special

MOTOR

Bosch: 0001359002 | 0001359008 | 0001359009 | 0001359011 | 0001359020 | 0001359034 | 0001360013 | 0001360020 | 9000143101

EQUIVALENTE / Equivalent

Bosch: 2006209111 | 2006209305 | 2006209345 - WAI: 549112

**0307****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Alfased 1.2, 1.5 | Alfetta 1.6, 1.8 | Giulia Super 1.3, 1.6 | GT Junior | GT Veloce 2000 - Ford: Capri 1.3, 1.5 e 2.0 | Consul 1.7 | Granada 1.7 e 2.0 V6 | Taunus 2.0 V6 - Mercedes Benz: 220 | 230 | 280

MOTOR

Bosch: 0001208040 | 0001208055 | 0001211025 | 0001211987 | 0001211988 | 0001211995 | 0001211996

**0307**

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

EQUIVALENTE / Equivalent

Bosch: 1006209403 | 2006209163 - Italcacciai: SD449 - Lester: 16299 | 16401 | 16532 | 16539 | 16688 - WAI: SP842226

**0310**

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 30AR8 | 32AR8 | 35AR8 | 40AR8 - Fiat: 241TN | 450 | 450DT | 500 | 500DT | 540 | 540DT | 616N3 | 616N3,4 | 625N3 - Fiat Iveco: Daily

MOTOR

Bosch: 0001362032 | 0001363101

EQUIVALENTE / Equivalent

Bosch: 2006209240 | 2006209330 | 2006209418 | 2006209448 - Fiat: 8997796 | 9934739 | 9934977 | 9957820 | 79026236 - Italcacciai: SD123 - Lester: 17093 | 18031

Lucas Indiel: 223561 - WAI: 5491173

**0313**

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Ford: A0406 | A0506 | FT100 | FT120 | FT130 | FT160 | FT190

MOTOR

Bosch: 0001358201 | 0001358202

EQUIVALENTE / Equivalent

Bosch: 2006209407 | 2006209437 - Italcacciai: SD315 - WAI: 5491149

**0318**

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

KHD: 411D | 411W | D2506 | D3006 | F1L410 - Lamborghini: 221 | 230 | 321 | 340 | 350 | 431 | 452 | 523 | 624 | Espada | Islero 400GTS | Miura P400

MOTOR

Bosch: 0001354080 | 0001354082 | 0001354088 | 0001354091 | 0001354092 | 0001354093 | 0001354097 | 0001354099 | 0001354100 | 0001354103 | 0001355014 | 0001355015

EQUIVALENTE / Equivalent

Bosch: 2006209086 | 2006209095 | 2006209215 | 2006209229 - Italcacciai: SD346 - WAI: 549185

**0319**

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Mercedes Benz: 200D | 220D | 240D | 240D 3.0 | 240TD | 300 turbo | 300CD | 300D | 300SD | 300TD | D206 | DG206 | L206 | L306D | L306DG | L406DG | L407D | O309D | U52 421 | U5260 | U60 421

MOTOR

Bosch: 0001362001 | 0001362002 | 0001362003 | 0001362004 | 0001362027 | 0001362028 | 0001362029 | 0001362030

EQUIVALENTE / Equivalent

Bosch: 2006209241 | 2006209331 - Italcacciai: SD012 - Lester: 16445 | 16715 - Lucas: TMB427 - Lucas Indiel: 223232 - WAI: 549103

**0320**

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 165

APLICAÇÃO / Application / Aplicación

Opel: Ascona 2.0 D | Rekord 2.0 D | Rekord 2.1 D | Rekord 2.3 D

MOTOR

Bosch: 0001362037 | 0001362071 - Italcacciai: 26208A

EQUIVALENTE / Equivalent

Bosch: 2006209478 - Italcacciai: SD342 - Lucas Indiel: 223569 - WAI: 5491167

**0323****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**Ford:** Escort Ghia | Guarujá | Verona GLX | XR3 - **Gurgel:** BR 800 | Tocantins L | TR 1.6 - **Porsche:** 914 - **Tiete:** Motor Estacionário RD900 09/1992... | Motor Estacionário RD900L 09/1992... | Motor Estacionário RD950 09/1992... | Motor Estacionário RD950L 09/1992... - **Volkswagen:** Apollo GL, GLS AP 1.8 | Golf 1.5 D | IM1200 | IM127 | IM1300 | IM1302 | IM1303 | IM1500 | IM1600 | IM181 | IM411 | IM412 | Jetta | Passat 1.6 | Rabbit diesel | Scirocco | Transporter 1.3, 1.7, 1.8

**MOTOR**

**Bosch:** 0001208411 | 0001208412 | 0001208416 | 0001208417 | 0001208418 | 0001211223 | 0001211224 | 0001211255 | 0001211256 | 0001211257 | 0001211258 | 0001211992 | 0001211993 | 0001211998 | 0001314012 | 0001314013 | 9000082062

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209424 | 9001082669 - **Italacciai:** SD450 | SD466 - **Lester:** 16362 | 16418 | 16547 | 16556 | 17025 | 17134 - **Lucas:** TMB411 - **Lucas Indiel:** 221411  
**Volkswagen:** 055911335B - **WAI:** 549100

**0325****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**BMW:** R100 | R45 | R60 | R65 | R75 | R80 - **Fiat:** 128 1.1 e 1.3 | 131 Mirafiori 1.3 | X1/9 1.3 - **Opel:** Ascona 1.2 | D 1.0, 1.2 | Kadett 1.0, 1.2 | Manta A, B12 - **Renault:** GTL | R 6TL | R 7TL | R12 | R4 | R5 | TL | TS Turbo | TX - **Seat:** 1200 Sport | 124 D 1430 | 124 D especial 1.2 e 1.4 | 127 0.9 | 131 | 131 L 1430 | Ritmo 65,75 | Supermirafiori 1430 | Terra

**MOTOR**

**Bosch:** 0001157013 | 0001157021 | 0001157023 | 0001212006 | 9000141100 | 9000141101 | 9000141103 | 9000141107 | 9000141108 | 9000141111 | 9000141112 | 9000141114 | 9000334104

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209401 | 1006209445 - **Fiat:** 9934752 - **Italacciai:** SD055 | SD496 - **Lester:** 16438 - **Lucas Indiel:** 223573 - **WAI:** 5491139

**0327****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**Daihatsu:** Delta 1.5, 2.0 | Rocky 1.6 | Taft 1.6 | Wildcat 1.6 - **Honda:** Accord 1.6 - **Toyota:** Carina 1.6, 2.0 | Celica 1.6, 2.0 | Corolla | Corona 1.6, 1.8, 2.0, 2.3 | Crown | Delta Hi Ace | Hilux | Mark2 | Sprinter 1.6

**MOTOR**

**Honda:** 31200657006 | 31200657016 | 31200657025 - **Italacciai:** 280002572 - **Nippondenso:** 28004822 | 280001010 | 280001940 | 280001941 | 280001970 | 280001971 | 280001972 | 280001973 | 280001975 | 280001976 | 280002000 | 280002001 | 280002250 | 280002260 | 280002261 | 280002262 | 280002263 | 280002330 | 280002570 | 280002571 | 280002572 | 280003051 | 280003052 | 280003100 | 280003710 | 280003920 | 280003921 | 280004270 | 280004440 | 280004480 | 280004580 | 280004640 | 280004810 | 280004820 | 280004822 | 280004980 | 280005430 | 280005470 | 280006100 - **Toyota:** 2810026031 | 2810033011 | 2810036020 | 2810036040 | 2810040011 | 2810040012 | 2810040013 | 2810040015 | 2810040041 | 2810041013 | 2810041020 | 2810042010 | 2810042020 | 2810042021 | 2810045020 | 2810045021 | 2810045033 | 2810046040 | 2810047020 | 28100045033

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0032 - **Daihatsu:** 2801140014 | 2801141011 | 2801141012 - **Honda:** 31207657006 | 31207PA0006 - **Isuzu:** 8942391070 - **Italacciai:** SD181 - **Lester:** 16217 | 16218 | 16220 | 16223 - **Mitsubishi:** MD602059 | MD602678 - **Nippondenso:** 028300085 | 0283000800 | 0283000800 | 0283000801 | 0283001690 - **Toyota:** 2801122021 | 2801125012 | 2801125020 | 2801141010 | 2801141011 | 2801141012 | 2801141020 - **WAI:** 548205 - **Ww:** 10502

**0328****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Brasília refrigerado a ar 07/1981... | Gol refrigerado a ar 07/1981... | Kombi refrigerado a ar 07/1981... | Saveiro refrigerado a ar 07/1981... | Sedan refrigerado a ar / 1.3, 1.5, 1.6 07/1981...

**MOTOR**

**Bosch:** 9000451004 | 9000451012 - **Wapsa:** MWB18 | MWB21

**EQUIVALENTE / Equivalent**

**Bosch:** 9001451247 - **Lucas:** TWB247 - **Volkswagen:** 1119113356 - **Wapsa:** 224047

**0329****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Gol C, CL, GL refrigerado a água | Parati C, CL, GL refrigerado a água | Passat refrigerado a água / 1.5, 1.6 | Saveiro CL, GL, refrigerado a água | Voyage C, CL, GL refrigerado a água

**MOTOR**

**Bosch:** 9000451011 - **Wapsa:** MWB19

**0329****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

EQUIVALENTE / Equivalent

Bosch: 9001451252 - Lucas: TWB246 - Volkswagen: ZBA911335A - Wapsa: 224046

**0339****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

APLICAÇÃO / Application / Aplicación

Chrysler: Dodge Horizon | Omni - Kubota: Trator

MOTOR

Chrysler: 5206270 | 5213085 | 5213190 | 5213370 | 5213395 - Nippondenso: 280005090 | 280005091 | 280005092 | 280007130 | 280007131

EQUIVALENTE / Equivalent

Chrysler: CH1931 | 5206632 | 5213310 | 5213850 - Lester: 16417 - Nippondenso: 0283001930 | 0283003490 - Subaru: 280992420 - WAI: 548203 - Ww: 10120

**0340****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

APLICAÇÃO / Application / Aplicación

Datsun: 280 ZX - Ford: Laser

EQUIVALENTE / Equivalent

Lester: 16245 - Lucas Indiel: 223235 - Mitsubishi: K309

**0341****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

APLICAÇÃO / Application / Aplicación

Daihatsu: Especial/Special - Subaru: Subaru A11

MOTOR

Mazda: 60418400 | 60518400 | 134518400 - Nippondenso: 280002040 | 280002041 | 280002042 | 280002160 | 280002161 | 280002970 | 280004721 | 280005270 | 280005420 | 280005720 | 280005750 | 280006520 - Subaru: 829914120 | 829918600 - Toyota: 2810087701 | 2810087702

EQUIVALENTE / Equivalent

Lester: 16468 | 16696 | 17058 - Lucas Indiel: 223585 - Mazda: 060423710 | 134624709 - Mitsubishi: MD604047 - Nippondenso: 0283000830 | 0283000831 | 0283003320 | 0283003321 - Subaru: 492097002 | 892094112 | 892096102 - Toyota: 2801187704 - WAI: 548228

**0342****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

APLICAÇÃO / Application / Aplicación

Ford: Courier

MOTOR

Ford: SAE715 | SAE716 | SAE715A | SAE716A | D77Z11002A | D77Z11002B | E17Z11002B | E17Z11002C - Nippondenso: 280005220 | 280005230 | 280008110 | 280008120

EQUIVALENTE / Equivalent

Ford: SDE307 | D77Z11350A - Lester: 16254 | 16272 - Nippondenso: 0283001870 - WAI: 548215

**0345****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

APLICAÇÃO / Application / Aplicación

Volkswagen: K 70

MOTOR

Bosch: 0001208100 | 0001208101 | 0001211200 | 0001211201

EQUIVALENTE / Equivalent

Bosch: 1006209441 | 2006209323

**0348****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

APLICAÇÃO / Application / Aplicación

Kubota: Micro trator Tobatta M140N - Volkswagen: Kombi com motor Passat diesel | Saveiro Diesel | Senda Diesel

MOTOR

Bosch: 9000452003 - Wapsa: MWB17

0348

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

## EQUIVALENTE / Equivalent

Bosch: 9001452088 - Lucas Indiel: 223117 - Volkswagen: 3059112875 - Wapsa: 224048

0349

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

## APLICAÇÃO / Application / Aplicación

**Honda:** Accord 1600, 1599cc 1976...1982 | Civic 1200 1972...1981 | Civic 1250 1973...1979 - **Isuzu:** I Mark L4 1.8L 1817cc gasolina Eng 1981...1985 | Pick Up L4 1.8L 1817cc 1981...1982 - **Nissan:** NFG101D11 - **Yanmar Engine Marine:** 1GM 1981...1989 | 1GM 1 cil 19.41ci, 0.318L Diesel 1980...1984 | 1GM10 1 cil, 19.41ci, 0.318L Diesel 1982...1990 | 1GM10C 1 cil, 19.41ci, 0.318L Diesel 1982...1984 | 2GM 1981...1989 | 2GM 2 cil Diesel 1980...1984 | 2GM20 2 cil, 38.81ci, 0.636L Diesel 1982...1990 | 2GMF 2 cil Diesel 1980...1984 | 3GM 1981...1989 | 3GM 3 cil Diesel 1980...1984 | 3GM30 3 cil Diesel 1982...1990 | 3GMD 3 cil Diesel 1982...1990 | 3GMF 3 cil Diesel 1982...1990 | KM2A 0000 | KM2C 0000 | KM2P 0000 | KM3A 0000 | KM3P 0000 | KM3V 0000

## MOTOR

**Hitachi:** S10863 | S10889 | S114140 | S114141 | S114149 | S114160 | S114162 | S114163 | S114164 | S114210 | S114211 | S114227 | S114271 | S114160A | S114160B | S114160D | S114160E | S114160F | S114162C | S114162D | S114163B | S114163E - **Honda:** 31200634005 | 31200634670 | 31200634671 | 31200634811 | 31200657005 | 31200657015 | 31200657025 | 31200673015 | 31200679035 | 31200679052 - **Isuzu:** 8942226880 - **Italacciai:** S114140 - **Nissan:** 233005002 | 233006900 | 23300B500 | 2330009601 | 23300B5000 | 23300B5002 | 23300H5001 | 23300H5002 | 23300H5003 | 23300H5004 | 23300H5300 | 23300H5400 | 23300H6900 | 23300H6901 | 23300H6902 | 23300H6903 | 23300H6904 | 23300H7300 | 23300H7301 | 23300H7302 | 23300H6901

## EQUIVALENTE / Equivalent

**Bosch:** 1987BE0033 - **General Motors/Chevrolet:** 9423227 | 94233227 - **Hitachi:** 211455004 | 211465001 - **Honda:** 31207634005 - **Isuzu:** 8942332270 | 8942332770 - **Italacciai:** SD149 - **Lester:** 16205 | 16207 | 16211 | 16270 | 16499 - **Nissan:** 23300H6000 | 23312E6700 | 23312H5000 | 23312H5001 | 23312H6700 | 23312H6900 - **WAI:** 548110

0351

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Chevy Lux | S10 Importada - **Isuzu:** Datsun - **New Holland:** Trator

## MOTOR

**General Motors/Chevrolet:** 94022494 - **Hitachi:** S114126 | S114170 | S114171 | S114172 | S114173 | S114174 | S114177 | S114180 | S114181 | S114182 | S114197 | S114202 | S114218 | S114229 | S114240 | S114247 | S114248 | S114295 | S114298 | S114301 | S114313 | S114343 | S114381 | S114382 | S114608 | S1144301 | S114126L | S114126M | S114170B | S114170E | S114171A | S114171D | S114172A | S114172D | S114172E | S114173B | S114173E | S114173F | S114180F | S114180M | S114182G | S114202A | S114218A | S114229E | S114229F | S114247A | S114247C - **Ishikawajima:** 185086320 | 185086321 - **Isuzu:** 5811001300 | 5811001370 | 8941305600 | 8942044380 | 8942045380 | 8942134065 | 8942135381 | 8942138220 | 8942226880 | 8942243880 | 8942340650 - **Italacciai:** 23300N3301 - **Nissan:** 2330018C05 | 2330018C06 | 2330069690 | 2330069960 | 23300E6800 | 23300E6801 | 23300N0900 | 23300N3301 | 23300N3304 | 23300S0100 | 23300U0100 | 23300U0101 | 23300U0102 | 23300U0601 | 23300U0602 | 23300U6001 | 23300U6002 | 23300U6003 | 23300U6004 | 23300U6005 | 23300W0400 | 23300W0401 | 23300Y0700 | 23300Y0701

## EQUIVALENTE / Equivalent

**Bosch:** 1987BE0007 - **General Motors/Chevrolet:** 94208296 - **Hitachi:** 211445004 | 211445007 | 211475001 | 2114N3550 - **Isuzu:** 8942082960 | 8942082961 - **Italacciai:** SD151 - **Lester:** 16194 | 16203 | 16246 | 16270 | 16711 | 16773 | 16877 - **Lucas Indiel:** 223322 - **Nissan:** 23312E6800 | 23312E6801 | 23312N3300 | 23312U6000 | 23312V6000 | 23312Y0700 - **WAI:** 548109

0352

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

## APLICAÇÃO / Application / Aplicación

**Chrysler:** Dodge - **Mazda:** Especial/Special - **Mitsubishi:** Forklift - **Nissan:** Especial/Special - **Suzuki:** Samurai Gasolina 1991...1992

## MOTOR

**Italacciai:** 23300B5013 - **Mazda:** F601 | 77918400 | 032418400B | 077918400A | 813118400 | 821818400 | 893618400 | 893718400 | 896418400 | 896718400 | D50118400 | D50218400 | D50518400 | E30118400 | F60118400 | F80218400 | F80618400 | F85018400 | FE0518400 | FE5018400 | FE7918400 | H83318400 | HE1918400 | HE2018400 | 808818400A | 813118400A | D30618400A | D306A8400B | D50118400A | D50218400A | D50518400A | E30118400A | E35618400A | F60118400A | F60118400B | F80218400A | F80218400B | F85018400A | F85018400B | FE0518400B | FE0518400C | FE5018400A | FE5018400B | HE1918400A | HE1918400B | HE2018400A - **Mitsubishi:** MGA060 | M3T2581 | M3T3381 | MD21674 | M2T10282 | M2T20181 | M2T20182 | M2T20223 | M2T20281 | M2T20282 | M3T10172 | M3T20081 | M3T20181 | M3T20381 | M3T20681 | M3T20781 | M3T21281 | M3T21282 | M3T21381 | M3T22081 | M3T22381 | M3T22581 | M3T22582 | M3T22681 | M3T22781 | M3T24481 | M3T24482 | M3T24483 | M3T24485 | M3T24486 | M3T24487 | M3T24488 | M3T25081 | M3T25281 | M3T25781 | M3T25782 | M3T25783 | M3T25785 | M3T25882 | M3T25883 | M3T25885 | M3T25891 | M3T27686 | M3T29681 | M3T30081 | M3T30082 | M3T30088 | M3T30281 | M3T30282 | M3T30285 | M3T30286 | M3T30381 | M3T30382 | M3T30781 | M3T30782 | M3T32382 | M3T32581 | M3T32582 | M3T32583 | M3T32681 | M3T32781 | M3T32782 | M3T33381 | M3T33382 | M3T33581 | M3T33582 | M3T33583 | M3T33585 | M3T33586 | M3T33587 | M3T33588 | M3T35081 | M3T35082 | M3T35088 | M3T39182 | MD001333 | MD001555 | MD019891 | MD019895 | MD021674 | MD027400 | MD027401 | MD034120 | MD034121 | MD085730 | MM111514 | MM115513 | MM115514 | MM115517 | M2T20181A | M3T110172 | M3T20681A | M3T24482A | M3T24486A | M3T335081 | M3T335820 | M3T33582A | M3T33586A | MD0019891 - **Nissan:** 233000712 | 23300B5013 | 23300D0212 | 23300H5012 | 23300H5013 | 23300P5112 | 23300P5113 | 23300R9000 | 23300T5070 | 23300U0113 | 23300U0114

**0352****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0008 - **Italacciai:** SD169 - **Lester:** 16500 | 16514 | 16522 | 16527 | 16579 | 16588 | 16708 | 16728 | 16742 | 16793 | 16794 | 16858 | 16859 | 16938 | 16940 | 16941 - **Lucas Indiel:** 223236 - **Mazda:** 808824722 | H83318X45 - **Mitsubishi:** MD607283 | MD608273 | M191T30974 | M191T33371 | M191T34071 | M191T35171 - **Nissan:** 23312Y0511 - **Suzuki:** 3132072031 - **WAI:** 548304

**0353****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**Honda:** Ballade 1500 1986...1990 | Civic 1300 16V 1991...1995 | Civic 1300, 1343cc D13B1 1987...1992 | Civic 1300 12V, 1335cc EW2/3 1983...1987 | Civic 1400 1987...1991 | Civic 1500 D15B2 1992...1995 | Civic 1500 D15Z 1995...2000 | Civic L4 1.3L 1342cc 82cid 1984...1987 | Civic L4 1.5L 1487cc 1984...1987 | Civic L4 1.5L 1491cc 91cid 1987 | Civic L4 1.5L 1493cc 1986 | Civic L4 1.5L 1493cc 1988...1991 | Civic L4 1.6L 1590cc 97cid 1988...1991 | CRX L4 1.5L 1493cc 1988...1991 | Wagovan L4 1.5L 1487cc 1984 | Wagovan L4 1.5L 1487cc 1986...1987 - **Jacobsen:** T422D Kubota D950 Diesel 1985...1996 - **Kubota:** Hauler KC5 ZH600B Dsl. Engine 1981...1999 | Mower Front F2100E D950 FM 21HP Dsl 1989...1995 | Mower Front F2000 D950 FM 20HP Dsl 1986...1994 | Mower Front F2100 D950 FM 21HP Dsl 1989...1995 | Tractor Compact B1550D D850 5B 17HP Dsl 1988...1996 | Tractor Compact B1550DT D850 5B 17HP Dsl 1988...1996 | Tractor Compact B1550DTEX D850 5B 17HP Dsl 1988...1996 | Tractor Compact B1550E D850 5B 17HP Dsl 1988...1996 | Tractor Compact B1550HSD D850 5B 17HP Dsl 1988...1997 | Tractor Compact B1550HSDT D850 5B 17HP Dsl 1988...1997 | Tractor Compact B1550HSE D850 5B 17HP Dsl 1988...1996 | Tractor Compact B1750DT D950 5B 20HP Dsl 1988...1996 | Tractor Compact B1750E D950 5B 20HP Dsl 1988...1996 | Tractor Compact B1750HSD D950 5B 20HP Dsl 1988...1996 | Tractor Compact B1750HSDT Kubota D950 5B 20HP Dsl 1988...1996 | Tractor Compact B1750HSE D950 5B 20HP Dsl 1988...1996 | Tractor Compact B20 D950AT 20HP Dsl 1990...1998 | Tractor Compact B20TL D950AT 20HP Dsl 1990...1998 | Tractor Compact B6000DT ZL600 14.5HP Dsl 1973...1977 | Tractor Compact B6000DTC ZL600 14.5HP Dsl 1975...1978 | Tractor Compact B6000E ZL600 14.5HP Dsl 1978...1984 | Tractor Compact B6100D D650 B 14HP Dsl 1978...1984 | Tractor Compact B6100DT D650 B 14HP Dsl 1978...1984 | Tractor Compact B6100E D650 B 14HP Dsl 1978...1984 | Tractor Compact B6100HSD D650 B 14HP Dsl 1981...1984 | Tractor Compact B6100HSE D650 B 14HP Dsl 1981...1984 | Tractor Compact B6100HST D650 B 14HP Dsl 1981...1984 | Tractor Compact B6100HSTE D650 B 14HP Dsl 1981...1984 | Tractor Compact B6100T D650 B 14HP Dsl 1981...1984 | Tractor Garden 2L600 2L600 1979...1990 | Tractor Garden G6200H D640 16HP Dsl 1986...1990 - **Onan:** Engine Medium Duty 2L600 Kubota 2L600 1979...1990 - **Toyota:** Carina 1.9L 1858cc 113cid 1971 | Celica L4 1.9L 1858cc 113cid 1969...1971 | Celica L4 1.9L 1898cc 1971 | Celica L4 2.0L 1968cc 1972...1974 | Celica L4 2.0L 1968cc 120cid 1972...1974 | Celica L4 2.2L 2189cc 1975...1980 | Corolla 1.9L 1858cc 1969...1971 | Corona L4 | Corona L4 1.9L 1897cc 116cid 1968...1970 | Corona L4 1.9L 1898cc 1968...1970 | Corona L4 2.0L 1968cc 1972...1974 | Corona L4 2.0L 1968cc 120cid 1972...1974 | Corona L4 2.2L 2189cc 1975...1980 | Crown | Europe Car Celica 2000 1973...1980 | Europe Car Corona 1500 1972...1978 | Europe Car Corona 1600 1972...1978 | Europe Car Corona 1700 1972...1975 | Europe Car Corona 1800 1972...1975 | Europe Car Corona 1900 1972...1975 | Europe Car Corona 2000 1972...1975 | FJ 60 | Hiace 2000 1978...1983 | Hilux 2000 1979...1984 | Pick Up L4 2.0L 1968cc 1972...1974 | Sprinter 1.3L 1290cc 1981...1982 | Starlet L4 1.5L 1452cc 1980...1986 | Tercel 1300 1982...1985 | Tercel 1500 1982...1988 | Tercel L4 1.5L 1452cc 3AC 1987...1988 | Tercel L4 1.5L 1456cc 3E 1988 | Tercel L4 1.9L 1858cc 113cid 1970...1971 | Truck Pick Up L4 | Truck Pick Up L4 1.9L 1858cc 1970...1971 | Truck Pick Up L4 1.9L 1897cc 116cid 1969...1970 | Truck Pick Up L4 1.9L 1898cc 1969 | Truck Pick Up L4 1.9L 1898cc 1969...1970 | Truck Pick Up L4 2.0L 1968cc 120cid 1972...1974 | Truck Pick Up L4 2.2L 2189cc 1975...1980 - **Universal:** Engine Marine 5421 Kubota D850 21 HP, 3 cil Dsl 1978...1981 | Engine Marine M25 Kubota D850 21 HP, 3 cil Dsl 1981...1986 | Engine Marine M25 XP Kubota D950 23HP, 3 cil Dsl 1986...1993 | Engine Marine M25 XPA Kubota D950 23HP, 3 cil Dsl 1994...1999

**MOTOR****Italacciai:** 280002681**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0009 - **Italacciai:** SD183 | SD359 - **Lester:** 16215 | 16222 | 16224 | 16230 | 16238 | 16261 | 16766 | 16832 | 16843 | 17354 - **Toyota:** 2801141020 | 2801160041 - **WAI:** 548207

**0361****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 166

**APLICAÇÃO / Application / Aplicación**

**BMW:** 315 | 316 | 318 | 320 | 518 | 525 | 528 | 628 | 728 - **Mercedes Benz:** L207 | L307 - **Peugeot:** 404 Diesel - **Toyota:** Colt | Cressi DA | Galant

**MOTOR**

**Bosch:** 0001208204 | 0001311100 | 0001311128 | 0001311146 | 0001314025 | 0001314027 | 0001314029 | 0001314033 | 0001314034 | 0001314035 | 0001314036 | 0001314038

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209406 | 1006209428 | 1006209449 | 1006209466 | 1006209472 | 9001692096 - **Italacciai:** SD345 | SD489 - **Lester:** 16616 | 16617 - **Lucas:** TMB450  
**WAI:** 548308

**0362****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación**

**Ford:** Capri 1.3, 1.6, 2.0, 2000GT | Consul 2.0 | Escort RS 2000 | Granada 2.0

**MOTOR**

**Bosch:** 0001311038 | 0001311048

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209108 | 2006209324 - **Italacciai:** SD037 - **Lester:** 16405 | 16595 - **Lucas Indiel:** 223602 - **WAI:** 549187



**0365****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación****Ford:** Granada 1.9, 2.0 diesel - **Peugeot:** 504D | 505D Turbo | 604D Turbo**MOTOR****Bosch:** 0001362045 | 0001362061 | 0001362079 | 0001362086 | 0001363104 | 0001363126**EQUIVALENTE / Equivalent****Bosch:** 2006209473 - **Italacciai:** SD356 - **Lester:** 16715 - **Lucas Indiel:** 223605 - **WAI:** 549119**0366****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** Alfa 6 2.5 TD | Alfetta 2.0 turbo diesel - **Fiat:** Magirus Iveco 50NC - **KHD:** D2506 | D3006 | DX50V | F3L911 | F3L912 - **Lamborghini:** DT503-603 | R503-603 | S503-603 - **Mercedes Benz:** 200D - **MWM:** D225 | D2262 | D2263 | D3272 | D3273 - **Valmet:** 101 | 102 | 103 | 104SU | 1051 | 1052 | 1053 | 1054SU | 112 | 113DAN | 12.5 | 15 | 18 | 195 | 198 | 20 | 24 | 25 | 295 | 298 | 30 | 32.5 | 395SV | HR488 HT2 | T1054SU**MOTOR****Bosch:** 0001362034 | 0001362036 | 0001362040 | 0001362041 | 0001362046 | 0001362050 | 0001362053 | 0001362072 | 0001362074 | 0001362075 | 0001362076 | 0001362091 | 0001362305 | 0001362308 | 0001362311 | 0001362313 | 0001362314 | 0001363002 | 0001363107 | 0001363109 | 0001363110 | 0001363112 | 0001363113 | 0001363115 | 0001366001 | 0001366004 | 0001366009 | 0001366014 | 0001366015 | 0001366017 | 0001366020 | 0001366022 | 0001369014**EQUIVALENTE / Equivalent****Bosch:** 2006209449 | 2006209469 | 2006209476 | 2006209485 - **Italacciai:** SD357 - **John Deere:** 19024524 - **Lester:** 17075 | 17105 | 17112 | 17159 | 18026 | 18121  
**Lucas Indiel:** 223311 - **WAI:** 549121**0367****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación****BMW:** 520 - **Fiat:** 1300S | 130NC | 130NR | 130NT | 150NC | 150NR | 150NT | 159NC | 159NR | 159NT | 65NC10 | 70NC10 | 75NC10 | 850 | 880 | 880DT  
**Fiat Allis:** S11 | S9 | SL11 | SL9 | SR9 - **Fiat Iveco:** Caminhão 110.13 | Caminhão 110.16 | Caminhão 120.13 | Caminhão 13.80 | Caminhão 130.13 | Caminhão 130.16 | Caminhão 16 | Caminhão 60.9 | Caminhão 80 | Caminhão 90.13 - **KHD:** D10006 | D130006 | D4006 | D4506 | D5006 | D6006 | D6206 | D6806 | D7006 | D7206 | D7506 | D8006 | DX100 | DX85 | DX90 | Intrac 2002...2004 - **Lamborghini:** 1356 | 1566 | 653 | 654 | 684 | 754 | 854 | 955 | DT804 | DT904 | R1056DT | R1156 | R1256DT | R804 | R904 - **Mercedes Benz:** 1017AF | 1017F | 1113B | 1217AF | 280S | 508DG | 608DG | 613D | 911B | L408DG | LP1013 | LP1113 | LP709 | LP809 | LP813 | LP913 | O302 | O309D | O371U | Trator MB1000 | Trator MB1300 | U100 | U1013 | U1200 | U1213 | U1300 | U1413 | U1500 | U1613 | U1700 | U800 | U900 - **MWM:** D22546 | D22646 | D3254 | D32746 | TD2266 - **Scania:** 50 | 80 | 81 | 82 | 85 | 86 | 92 | 93230 | 93250 | 93280 | Caminhão P93H | Caminhão P94 | Ônibus F94 | Ônibus L94 | P, R 124/400 | P, R 124/360 | P, R 124/420 | R 164/480 | R 164/580 - **Volvo:** 106SU MH 11 | 114 Dan | 1154 Dans | 1154M 12.8 | 1156 Dans | 1156M 12.8 | 116 Dan | 50KVA | 70KVA | B6 série DR860-861 | F84 | F85 | F86 | F87 | FL4 série | LM1240 | LM641 | LM841 | LM845 | LM846 | SM880 | T650 | T800 | T810 | T814 | VHK118**MOTOR****Bosch:** 0001362051 | 0001362063 | 0001362096 | 0001362097 | 0001362300 | 0001362306 | 0001362309 | 0001363116 | 0001366018 | 0001366021 | 0001367001 | 0001367004 | 0001367005 | 0001367007 | 0001367010 | 0001367011 | 0001367012 | 0001367014 | 0001367019 | 0001367021 | 0001367023 | 0001367026 | 0001367027 | 0001367030 | 0001367031 | 0001367033 | 0001367034 | 0001367039 | 0001367045 | 0001367046 | 0001367049 | 0001367050 | 0001367052 | 0001367059 | 0001367068 | 0001367074 | 0001367300 | 0001367301 | 0001368001 | 0001368002 | 0001368003 | 0001368005 | 0001368007 | 0001368008 | 0001368010 | 0001368011 | 0001368012 | 0001368013 | 0001368014 | 0001368017 | 0001368018 | 0001368021 | 0001368022 | 0001368024 | 0001368028 | 0001368030 | 0001368031 | 0001368032 | 0001368033 | 0001368035 | 0001368047 | 0001368055 | 0001368062 | 0001368063 | 0001368300 | 0001368301 | 0001368302 | 0001368307 | 0001368309 - **Italacciai:** 1362051**EQUIVALENTE / Equivalent****Bosch:** 2006209492 | 2006209530 | 2006209536 | 2006209930 | F000AL1897 - **Cargo:** 131065 - **Fiat:** 8122157 | 9959619 | 79034927 - **Italacciai:** SD443 - **Lester:** 16560 | 17073 | 17074 | 17106 | 17113 | 17127 | 17136 | 17184 | 17228 | 17320 | 18032 | 18229 | 18237 | 18250 - **Lucas Indiel:** 223312 - **Remy:** 19024520 | 19025715  
**WAI:** 549123**0376****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación****Isuzu:** KB10 Thermo King estacionário diesel | KBD 20 Diesel | KBD 25 2.0 Diesel | KBD 30 diesel - **Jeep:** Renegade - **Komatsu:** Varios fork lift - **Massey Ferguson:** 210-4**Nissan:** Especial/Special - **TCM Equipment Ag:** Forklift SD25Z1 - **Toyota:** Especial/Special**MOTOR****Hitachi:** S1224 | S1227 | S1246 | S1248 | S1256 | S1258 | S1259 | S1261 | S1282 | S1288 | S1306 | S1325 | S1328 | S1331 | S1333 | S1224A | S1241A | S1306A | S1333A | S1333B - **Isuzu:** 5811000571 | 5811000740 | 5811000800 | 5811000820 | 5811000990 | 5811001110 | 5811001111 | 5811001112 | 9821001520 | 9821001522 | 9821001830 | 9821001832 - **Thermo King:** 442918 | 445443**EQUIVALENTE / Equivalent****Allis Chalmers:** 2201850102 | 2201850192 | 22018501030 - **Hitachi:** 21203500 | 21207500 | 21207530 | 21207550 | 212035001 - **Isuzu:** 5811130170 | 5811230020 | 5811230070 | 5811230160 | 9821212380 - **Lester:** 17087 | 17089 | 17090 | 18064 - **Lucas Indiel:** 223237 - **Thermoking:** 442910 - **WAI:** 548105

**0382****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación**

Isuzu: Cherry | Vanette

**MOTOR**

Hitachi: S114161 | S114161B | S114161E | S114161F - Nissan: 23300M1052 | 23300M1500 | 23300M1501 | 23300M1502 | 23300M1503 | 23300M1510 | 23300M5901 | 23300M5903 | 23300M15001

**EQUIVALENTE / Equivalent**

Hitachi: 211465004 | 211495002 - Lester: 16579 - Nissan: 23312M1500 | 23312M1501 | 23312M15001 - WAI: 548114

**0389****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación**

Fiat: 130 Super | Argenta 1.6 | Brava 131 | Croma 1.6 | Duna | Europa | Fiorino | Nuova Argenta | Pick Up | Prêmio | Regata 1.3, 1.5, 1.6 | Restyling 132 | Ritmo 105 CT | Ritmo 125 TC | Ritmo 75 | Ritmo 85 | Spazio | Tipo 1.4 1400 DGT | Uno | Uno Turbo 147 | Weekend - Lancia: Beta 1.3, 1.6 | Delta 1.5 | Prisma 1.5 | Trevi 1.6 - Seat: 124 1.8 | 131 L 1.6

**MOTOR**

Fiat: 4470378 | 82374433 - Italcacciai: 4469987 - Magneti Marelli: 63221308 | 63221338 | 63221400 | 63221401 | 63221430 | 63221431 | 63221508 | 63221538 | 63221637

**EQUIVALENTE / Equivalent**

Bosch: 1987BE0010 - Femsas: 1706126 - Fiat: 9937207 | 9941640 - Italcacciai: SD188 - Lucas Indiel: 228042 - WAI: 549303

**0392****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación**

Asia Motors: 1135-1 | 1135-15 | 1135-50 | 1135-55 | 2135 | 2135-50 - Chrysler: Dodge C17 | Dodge C20 | Dodge C2662 | Dodge C2664 | Dodge T17 - Kawasaki: D10006 | D130006 | D4006 | D5006 | D6006 | D6206 | D6806 | D7006 | D7206 | D8006 | DX100 | DX85 | DX90 | Intrac 2002...2004 - Lamborghini: 904DT | C603 | DT704 | L603 | R1056DT | R704 | R804 - Renault: 210.20 | 230.20 | 230.26 | 250 | D17 | D20 - Valmet: 885 | HR688H | HR688HT | Trator 1180S com motor Valtra (importado) | Trator 1380S com motor Valtra (importado) | Trator 1680S com motor Valtra (importado) | Trator 885S com motor Valtra (importado) | Trator 985S com motor Valtra (importado) - Volkswagen: LT28 | LT31 | LT35

**MOTOR**

Bosch: 0001359004 | 0001359053 | 0001359056 | 0001359060 | 0001359075 | 0001359076 | 0001359099 | 0001359106 | 0001359108 | 0001359112 | 0001359124 | 0001360029 | 0001360033 | 0001360041 | 0001360042 | 0001360054 | 0001360064 | 0001364101 | 0001364102 | 0001364103 | 0001364104 | 9000143305 | 9000453089

**EQUIVALENTE / Equivalent**

Bosch: 2006209408 | 2006209423 | 2006209438 | 9002453010 | 9002453081 - Italcacciai: SD441 - Lester: 16565 | 16567 | 17113 | 17229 | 17258 | 18028 - Remy: 19024518 - WAI: 549113

**0394****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación**

Fiat: 127 Brasile Diesel | 131 2.0 | 132 2.0 | CHT Turbo 2.0 | Croma 2000 | Duna | Fiorino Diesel | Panda Diesel | Spazio | Spyder 124 | Uno Diesel - Lancia: Delta HF4WD | Prisma 1.6 4WD | Thema 2000IE Turbo

**MOTOR**

Fiat: 5991832 - Italcacciai: 5991832 - Magneti Marelli: 63221403 | 63221433 | 63221434 | 63221500 | 63221503 | 63221509 | 63221530 | 63221533 | 63221539 | 63221632 | 63221639 | 63221730 | 63221731

**EQUIVALENTE / Equivalent**

Fiat: 9936050 | 9938235 | 9941642 - Italcacciai: SD187 - Lucas Indiel: 223240

**0395****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

**APLICAÇÃO / Application / Aplicación**

BMW: 320 | 320i | 321i | 520 | 525 | 528 - Fiat: Nuova Ritmo Diesel | Regata Diesel | Ritmo Diesel - Seat: Ibiza Diesel | Ritmo Diesel | Ronda Diesel

**MOTOR**

Fiat: 5933930 | 5996771 - Italcacciai: 5933930 - Magneti Marelli: 63223000 | 63223203 | 63223206 | 63223207 | 63223236 | 63223237 | 63223300 | 63223330 | 63223332

**EQUIVALENTE / Equivalent**

Fiat: 9938328 | 9941467 - Italcacciai: SD185 - Lucas Indiel: 223241

**0397****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

APLICAÇÃO / Application / Aplicación

Chrysler: Dodge 1500 - Peugeot: 404

EQUIVALENTE / Equivalent

Bosch: 1987BE0034 - Fems: 170616 - Lucas Indiel: 221830

**0398****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

APLICAÇÃO / Application / Aplicación

Bonser: D20 | D200K | D25 | D2500K - Fiat Iveco: 129.14 | 130.14 - Ford: A, D Series | Transit Diesel - Lancer: 300 Series | PD III A

MOTOR

Lucas Indiel: 26317B/H | 26355A/J | 26356A/M | 26361A/E | 26388A/F | 26407A/F | 26317BDM50 | 26356ABM50 | 26407AEM50

EQUIVALENTE / Equivalent

Italacciai: SD199 - Lucas: TMB116 | 54246340 | 54246739 | 54247184

**0404****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

APLICAÇÃO / Application / Aplicación

Citroën: CX Athena | CX Reflex - Peugeot: 505 | 505 INJ | Estafette - Renault: Fuego | R12 | R16 | R18 | R20 | R4 | R5 | R6 | Rodeo | Trafic

MOTOR

Ducellier: 6221A | 6231C | 532002 | 532003 | 532004 | 532008 | 532009 | 532010 | 532018 | 532000AB | 532008AB | 532009AB | 532010AB - Italacciai: 006231C

EQUIVALENTE / Equivalent

Bendix: 310626 | 314529 - Bosch: 1987BE0035 - Ducellier: 611942 - Italacciai: SD500 - Lester: 16488 - Lucas Indiel: 223244 - Valeo: NE314 - WAI: 549419

**0406****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

APLICAÇÃO / Application / Aplicación

Ford: Granada 2.5 Diesel | Sierra D 2.3 - Peugeot: 404D | 504D | 505D turbo Turbo | 604D turbo Turbo - Toyota: Tagora TD

MOTOR

Bosch: 0001317009 | 0001317010 | 0001317018

EQUIVALENTE / Equivalent

Bosch: 1006209501 - Italacciai: SD311 - Lester: 16556 - WAI: 549139

**0407****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 30AR8 | 32AR8 | 35AR8 | 40AR8 - Fiat: 131 | 132 | 238 1.8 | Argenta 2.5 | Campagnola | Nuova Argenta - Fiat Iveco: Daily 28.8 | Daily 30.8 | Daily 32.8 | Daily 35.8 | Daily 40.8 | Ducato - Renault: Trafic 4X4

MOTOR

Fiat: 4692477 | 4699704 | 4699705 | 4701920 | 4702248 | 4706008 | 4706931 | 4710224 | 4711699 | 4713805 | 4713806 | 4713807 | 4737754 | 4737755 | 4737756 | 4741699 | 4745849 | 4745930 | 4752212 | 4752403 | 4752912 | 4759929 - Italacciai: 4699705 | 63216740MT67CA - Magneti Marelli: 63216701 | 63216703 | 63216707 | 63216725 | 63216726 | 63216727 | 63216740 | 63216808 | 63216810 | 63216825 | 63216826 | 63216827 | 63216873 | 63216898 | 63217101 | 63217104 | 63217105 | 63217118 | 63217119 | 63217120 | 63217125 | 63217147 | 63217201 | 63217225

EQUIVALENTE / Equivalent

Fiat: 9000862 | 9927793 | 9929081 | 9935731 | 9936772 | 9957707 | 9986112 | 79023774 - Italacciai: SD125 | SD128 - Lester: 17111 | 17126 - Lucas Indiel: 221833  
WAI: 549300**0408****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 167

APLICAÇÃO / Application / Aplicación

Agrale: Caminhão TX1600 ...12/1984 - Fiat: 127 0.9 | 127 1.05 | 127 Sport 1.3 | Fiorino TT 0.9 | Panda 30 | Panda 34 | Panda 45 | Panda 45 4X4 | Ritmo 60L141 | Uno 0.9 | Young - Seat: Fura | Panda

MOTOR

Fiat: 5972684 - Italacciai: 4451826 - Magneti Marelli: 63220506 | 63220536 | 63220537 | 63220538

EQUIVALENTE / Equivalent

Fiat: 9936996 | 9941751 - Italacciai: SD153

**0411****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

**APLICAÇÃO / Application / Aplicación**

**Allis Chalmers:** ED 40 4 Cil 138 Diesel - **Case:** 1190 3 165 Diesel 1980...1983 | 1290 4 Cil 195 Diesel 1980...1983 | 1294 4 Cil 219 Diesel 1983...1984 | 1390 4 Cil 219 Diesel 1980...1983 | 1394 4 Cil 219 Diesel 1983...1988 | 1490 4 Cil 219 Diesel 1980...1983 | 1494 4 Cil 219 Diesel 1983...1988 | 380CK | 580F Construction King European | 770 3 146 Diesel 1965...1970 | 780 Diesel Engines 1980...1989 | 780 3 146 Diesel 1967...1971 | 850 3 154 Diesel 1960...1965 | 995 Farm Tractor 4 Cil 219 Diesel 1971...1976

**David Brown:** 120 4 Cil 219 Diesel 1969...1971 | 1200 4 Cil 219 Diesel 1969...1971 | 1210 4 Cil 219 Diesel 1971...1980 | 1212 4 Cil 219 Diesel 1971...1976 | 12121 4 Cil 219 Diesel 1971...1976 | 770 3 146 Diesel 1965...1970 | 780 Diesel Engines 1980...1989 | 780 3 146 Diesel 1967...1971 | 781 3 146 Diesel 1967...1971 | 880 3 Cil 154 Diesel 1961...1971 | 885 3 Cil 164 Diesel 1971...1980 | 990 4 Cil 186 Diesel 1969...1980 | 991 4 Cil 186 Diesel 1972...1980 | 995 4 Cil 219 Diesel 1977...1980 | 996 4 Cil 219 Diesel 1971...1980 - **Lister:** PH Séries 1/ 2 / 3 Cil Diesel | SR4 Séries 4 Cil Diesel | ST1 Séries 1/ 2 / 3 Cil Diesel | ST2 Séries 1/ 2 / 3 Cil Diesel | ST3 Séries 1/ 2 / 3 Cil Diesel

**Massey Ferguson:** MF 130 Perkins 4 107 Diesel 1966...1972

**MOTOR**

**Lucas Indiel:** 26278H | 26301H | 27413A/D | 27421A/B | 27463A/D

**EQUIVALENTE / Equivalent**

**Italacciai:** SD019 - **Lester:** 16664 | 16665 - **Lucas:** TMB124 | 54247396 | 60600077 - **WAI:** 549216

**0412****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

**APLICAÇÃO / Application / Aplicación**

**Bedford:** CA 1.6,2.0 | CF 1.6,2.0 - **Daimler:** Limousine | Sovereign - **Ford:** Capri | Consul | Granada | Transit - **Jaguar:** 420 E Type | XJ6 - **Lotus:** Eclat | Elite | Esprit - **Morris:** 1800 | 2200 | Ital 1.7 | Marina 1.8 - **Princess:** 1700 | 1800 | 2000 | 2200 - **Reliant:** Scimitar - **Triumph:** 2000 | 2500 | TR 6 - **TVR:** 3000 | Vixen

**Vauxhall:** Cresta | Firenza | Magnum | Victor - **Wolseley:** 18/22 Séries | 18/85 Séries | Six

**MOTOR**

**Lucas Indiel:** 25742A | 25755A | 25756A | 25619A/K | 25642A/F | 25647A/L | 25651A/B | 25662A/E | 25674A/E | 25684A/J | 25686A/H | 25689A/J | 25692A/J | 25695A/F | 25699A/J | 25704A/D | 25706A/D | 25707A/D | 25710A/D | 25714A/D | 25718A/D | 25719A/D | 25720A/D | 25722A/D | 25728A/D | 25729A/D | 25734A/D | 25739A/D | 25743A/D | 25624AF2M100 | 25743AD3M100

**EQUIVALENTE / Equivalent**

**Lester:** 16166 | 16173 | 16284 - **Lucas:** TNB142 | TNB147 | TNB149 | 54243657 | 54246252 | 54249032 | 54249041 | 54249043 | 54262658 - **WAI:** 549210

**0414****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

**APLICAÇÃO / Application / Aplicación**

**MG Car:** MGB L4 1.8L 1798cc 1968...1971 | MGB L4 1.8L 1798cc 110cid 1968...1971

**MOTOR**

**Lucas Indiel:** 25705AD2M100 | 25732BE2M100

**EQUIVALENTE / Equivalent**

**Lester:** 16164 - **Lucas:** TNB145 | 54247179 | 54249035 - **WAI:** 549208

**0417****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

**APLICAÇÃO / Application / Aplicación**

**Bomag:** BW 905 SH/SL - **Deutz:** Engine Marine Various Models F2L511 1.7L 1650cc 1963...1975 - **KHD:** Engines F2L511 1.7L 1650cc 1963...1975 - **Mercedes Benz:** 0302-0352 Otobus

**MOTOR**

**Bosch:** 0001314017

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209436 - **Lester:** 16787 - **WAI:** 549146

**0419****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

**APLICAÇÃO / Application / Aplicación**

**Dodge:** Trucks S Séries - **Ford:** Cargo Séries - **Hanomag:** 20 | 22C | 30 | 33C | 400D - **Linde:** H20 | H25 | H30 - **Yanmar Engine Marine:** F1400 DF

**MOTOR**

**Bosch:** 0001362093 | 0001367006 | 0001367022 | 0001367035 | 0001367041 | 0001367042 | 0001367055 | 0001367056 | 0001367063 | 0001368026 | 0001368027 | 0001368036 | 0001368038 | 0001368051 | 0001369015 | 0001369023 | 0001369200 | 0001369201

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209462 | 2006209499 - **Cargo:** 138312 - **Lester:** 17077 | 18024 - **WAI:** 549153

**0420****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

Audi: 4000 Diesel | 4000 Diesel turbo | 80D | 80D Turbo - Opel: Ascona C 1.6 D | Kadett D 1.6 D - Volkswagen: Amazon Diesel | Passat Diesel turbo | Santana Diesel turbo

## MOTOR

Bosch: 0001316004 | 0001317007 | 0001317008 | 0001317013 | 0001317022 | 0001317025

## EQUIVALENTE / Equivalent

Bosch: 1006209500 - Cargo: 131102 - Italacciai: SD310 - Lester: 16623 | 17016 - Lucas: TMB454 - Lucas Indiel: 223249 - WAI: 549141

**0426****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

Mazda: Especial/Special

## MOTOR

Mazda: 489318400B | 489318400D | 489318400E - Mitsubishi: M3T10473 | M3T10475 | M3T10476

## EQUIVALENTE / Equivalent

Lester: 16795 - Lucas Indiel: 223644 - Mazda: 489324722 - Mitsubishi: M191T31071 | M191T35271 - WAI: 548300

**0428****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

Volkswagen: Kombi | Transporter 1600 1981...1992 | Transporter 1700 1986...1992 | Vanagon L4 1.6L 1588cc 97cid Diesel 1982...1984

## MOTOR

Bosch: 0001317011 | 0001317012 | 0001317016 | 0001317017

## EQUIVALENTE / Equivalent

Bosch: 1006209502 - Lester: 16961 - WAI: 549142

**0429****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

TCM Equipment Lift Truck: FG35N3 0000

## MOTOR

Hitachi: S114184 - Nissan: 23300C0600

## EQUIVALENTE / Equivalent

Hitachi: 211415003 - Lester: 18110 - Nissan: 23312C0600 - WAI: 548119

**0433****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

Buick: Century V6 3.8L 3800cc 231cid 1984...1985 | Electra V6 3.8L 3800cc 231cid 1985 | LeSabre V6 3.0L 181cid 1986 | Skylark V6 3.0L 181cid 1986 | Somerset Regal V6 3.0L 181cid 1985 | Somerset V6 3.0L 181cid 1986 - Oldsmobile: 98 V6 3.8L 3800cc 231cid 1985 | Calais V6 3.0L 181cid VIN L 1985...1986 | Cutlass Ciera V6 3.8L 3800cc 231cid 1984...1985 | Delta 88 V6 3.0L 181cid 1986 - Pontiac: Grand Am V6 3.0L 181cid 1985

## EQUIVALENTE / Equivalent

Lester: 6307 | 6308 | 6309 | 6310 | 6312 | 6313 | 6315 | 6316 | 6318 | 6319 | 6327 | 6330 | 6331 | 6426 - Remy: D2032 | 1984511

**0438****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

Deutz: Especial/Special - Fiat: Turbo - Mercedes Benz: Especial/Special

## EQUIVALENTE / Equivalent

Lucas Indiel: 228204 - Nashville: 45210100

**0440****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

## APLICAÇÃO / Application / Aplicación

Deutz: Especial/Special - Ford: Especial/Special - Mercedes Benz: Caminhões | Especial/Special | Ônibus | Tratores

**0440****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

EQUIVALENTE / Equivalent

Lucas Indiel: 222901

**0442****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

APLICAÇÃO / Application / Aplicación

Peugeot: 304 | 305 - Porsche: 924 | 944

MOTOR

Bosch: 0001208213 | 0001208222 | 0001311134 | 0001311135 | 0001311138 | 0001314022

EQUIVALENTE / Equivalent

Bosch: 1006209448

**0443****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

APLICAÇÃO / Application / Aplicación

Renault: R11 | R18 | R21 | R9 - Volkswagen: Gacel GL e GS Carat

EQUIVALENTE / Equivalent

Bosch: 1987BE0038 - Lucas Indiel: 221901 - Tria: ZAE911335

**0445****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

APLICAÇÃO / Application / Aplicación

Renault: Fuego com Motor 1.4, 2.0 e 2.2 | Nevada com Motor 1.4, 2.0 e 2.2 | Renault 12 com Motor 1.4, 1.8, 2.1 | Renault 4 com Motor 1.4, 1.8, 2.1 | Renault 6 com Motor 1.4, 1.8, 2.1 | Trafic com Motor 1.4, 2.0 e 2.2

EQUIVALENTE / Equivalent

Bosch: 1987BE0012 - Lucas: 27330 - Lucas Indiel: 227330 | 35257330

**0447****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 168

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Giulia Diesel - Lamborghini: 784DT | C352 | C362 | C453 | C503 | C533 | C653 | DT235 | DT653 | L503 | LL503 | R235 | R483 | R653 | S235 | S503 - Valmet: 20KVA | HR392A | HR488H | HR488HT | HR488HTA | HR492A | HR492HT | HT9

MOTOR

Bosch: 0001362035 | 0001362042 | 0001362059 | 0001362092 | 0001362095 | 0001363105 | 0001363117 | 0001363125 | 0001366011 | 0001366012 | 0001366024 | 0001366027

EQUIVALENTE / Equivalent

Bosch: 2006209475 - Italcacciai: SD016 - Lester: 17114 | 18120 - Lucas Indiel: 223657 - WAI: 549120

**0449****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Land Rover: 90, 110 Diesel

EQUIVALENTE / Equivalent

Lucas: TMB150 | 54267317

**0450****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Hyster: Empilhadeira com motor 60XM | Empilhadeira com motor H45 - Hyundai: Accent GLS | Excel | Pony | Sonata 2.4 e 3.0 | Stellar - Kia: Picanto FLEX 2010 | Sephia GTX 1.5 16V 1994... | Sephia SLX 1.6 8V 1994... | Sportage com motor OHC 16V a gasolina - Mazda: 323 1.3 e 1.5 | MX 5 (Miata) 1.6 e 1.8 - Mitsubishi: Celeste com motor GP 25/30 | Galant com motor GP 25/30 | Sapporo com motor GP 25/30 | Starion com motor GP 25/30 | Tredia com motor GP 25/30 - Suzuki: Samurai | Sidekick 1994 | SJ 410 | SJ 413 | Vitara 1.6 16V

**0450****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**MOTOR**

**Ford:** SAI761 | SAI772 | SAI773 | SAI780 | SAI783 | SAI788 | B65818400 | B35918400A | B63018400A | B67618400A | E9BZ11002A | E9JY11002A | F0BY11002B | F0BZ11002B | F0JY11002A | F1JY11002A | F7GZ11002A | F9JY11002A - **General Motors/Chevrolet:** 30001695 - **Mazda:** 478010400 | 478018400 | B30318400 | B35918400 | B50518400 | B59318400 | B61P18400 | B63018400 | B67618400 | D53018400 | E35618400 | E35718400 | F24018400 | F8B18400A | 478018400A | B30318400A | B31518400A | B31518400B | B61R18400A | B63018400A | B67618400A | B67618400B | B6S818400A | D50518400B | E35618400B | F24018400B | F85018400E | F8B118400A | F8B118400B | F8B118400C | FE0518400C | FE1J18400A | FE5018400E | FE5A18400A - **Mitsubishi:** M2T322 | M3T244 | 1368852 | MD81567 | M2T30581 | M2T30583 | M2T32281 | M2T40081 | M2T42881 | M2T44081 | M2T48081 | M2T49881 | M3M32722 | M3M32782 | M3Q38882 | M3T21281 | M3T21381 | M3T21781 | M3T21882 | M3T22581 | M3T24482 | M3T25885 | M3T27786 | M3T29482 | M3T30581 | M3T30583 | M3T30681 | M3T30881 | M3T30981 | M3T32588 | M3T32589 | M3T32591 | M3T32592 | M3T32593 | M3T33182 | M3T33281 | M3T33282 | M3T3586D | M3T38082 | M3T38181 | M3T38381 | M3T38481 | M3T38581 | M3T38682 | M3T38881 | M3T38882 | M3T38883 | M3T38884 | M3T38885 | M3T38981 | M3T38982 | M3T39385 | M3T39481 | M3T39523 | M3T39981 | M3T41081 | M3T41083 | M3T41088 | M3T41181 | M3T41185 | M3T41186 | M3T41282 | M3T41285 | M3T41681 | M3T42781 | M3T42881 | M3T43381 | M3T43481 | M3T43581 | M3T48181 | M3T49381 | M3T49581 | M3T49585 | M3T49781 | M3T70081 | M3V38881 | M3V38882 | M3Y24482 | MD016729 | MD016851 | MD016863 | MD066761 | MD081567 | MD081568 | MD100431 | MD101219 | MD107614 | MD107615 | MD161437 | MD162836 | MD162837 | MD162838 | MD164866 | MD180238 | MD180239 | MD189054 | MD192222 | MD192228 | 901286806 | M3MT30583 | M3T016851 | M3T016863 | M3T066761 | M3T14482J | M3T162838 | M3T164866 | M3T189054 | M3T21281D | M3T21381D | M3T21781D | M3T21882D | M3T24482H | M3T24482K | M3T24486H | M3T25252H | M3T25282H | M3T25285A | M3T25885A | M3T27686D | M3T29482D | M3T302589 | M3T32782D | M3T388682 | M3T38881A | M3T38881B | M3T38881C | M3T38882A | M3T38882B | M3T38882C | MD 100431 | M3T4010081 - **Nissan:** 2330000H10 | 2330000H11 | 2330005H11 | 2330041B70 | 2330042L11 | 2330042L13 | 2330042L14 | 2330060S10 | 23300D0214 | 23300L2912 | 23300P5113 | 23300P5114 | 23300T5070 | 23300T5072 | 23300W0413 | 23300W0417 | 23300Y0715 - **Suzuki:** 3110080091 | 3110083010 | 3110083021

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0013 - **Cargo:** 132005 - **Ford:** SDE332 | E7GZ11350A - **General Motors/Chevrolet:** 96063635 - **Lester:** 16514 | 16522 | 16708 | 16794 | 16795 | 16922 | 16938 | 16940 | 16941 | 16966 | 16971 | 17181 | 17212 | 17288 | 17662 - **Lucas Indiel:** 223252 - **Mazda:** B63018X45 | E35618X45 - **Mitsubishi:** MD607894 | MD611372 | M191T22071 | M191T22371 | M191T22771 | M191T22971 | M191T23071 | M191T23471 - **Nissan:** 2335442L10 | 2335442L11 - **Suzuki:** 3132079030 | 3132082130 | 3132082139 - **WAI:** 548306

**0451****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****Renault:** R4,R5,R6,F6 - **Seat:** 127 0.9 - **Talbot:** Especial/Special**MOTOR****Femsa:** MTV124 | MTV126 | MTV128 | MTA1219 | MTA1237 | MTA1238 | MTA1239 | MTA1243 | MTA12P19 - **Italacciai:** MTA01219**EQUIVALENTE / Equivalent****Bosch:** 9001336223 - **Femsa:** 1706115 - **Italacciai:** SD427**0453****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****Fiat:** 600**MOTOR****Italacciai:** MTA1201**EQUIVALENTE / Equivalent****Bosch:** 9001336203 - **Femsa:** 9328 - **Italacciai:** SD119 - **Lucas Indiel:** 223254**0454****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Silverado 1981**EQUIVALENTE / Equivalent****Lester:** 3601 | 3725 | 3741 | 3742 | 3764 | 6305 | 6343 | 6346 | 6541 - **Lucas Indiel:** 223659 - **Remy:** S5894 - **WAI:** 54106**0455****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación**

**Ford:** Escort GL L4 1.9 gasolina 1985 | Escort GL L4 1.9 gasolina 1987 | Escort GL L4 1.9 gasolina 1988 | Escort GT L4 1.9 gasolina 1986 | Escort GT L4 1.9 gasolina 1987 | Escort GT L4 1.9 gasolina 1988 | Escort GT L4 1.9 gasolina 1989 | Escort GT L4 1.9 gasolina 1990 | Escort L L4 1.9 gasolina 1985 | Escort L L4 1.9 gasolina 1986 | Escort LX L4 1.9 gasolina 1986 | Escort LX L4 1.9 gasolina 1988 | Escort LX L4 1.9 gasolina 1989 | Escort LX L4 1.9 gasolina 1990 | Escort Pony L4 1.9 gasolina 1987 | Escort Pony L4 1.9 gasolina 1988 | Escort Pony L4 1.9 gasolina 1989 | Escort Pony L4 1.9 gasolina 1990 - **Mercury:** Lynx XR3 L4 1.9 gasolina 1986 | Lynx XR3 L4 1.9 gasolina 1987

**MOTOR****Ford:** E3FZ11002A | E6FZ11002A | E6EF11001AA

**0455****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

EQUIVALENTE / Equivalent

Bosch: 1987BE0014 - Ford: E6FZ11350A | E6EF11350AA - Lester: 3196 - WAI: 54210

**0458****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Citrøen: C2 | C3

EQUIVALENTE / Equivalent

Lucas Indiel: 221192 - Paris Rhone: 54457

**0459****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Peugeot: Pick Up 504 Diesel 1.3 Ton

MOTOR

Nippondenso: 290996200

EQUIVALENTE / Equivalent

Bosch: 1987BE0015 - Lucas Indiel: 35257707

**0460****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Peugeot: 504 Diesel

MOTOR

Bosch: 0001359021 | 0001362081 | 0001362602 | 0001362603 | 0001362606 | 0001362607

EQUIVALENTE / Equivalent

Bosch: 2006209431 - Italacciai: SD350 | SD354 - Lester: 16752 - Lucas Indiel: 223256 - WAI: 549111

**0461****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Peugeot: 504 Diesel

MOTOR

Italacciai: D11E191 - Paris Rhone: D11E191

EQUIVALENTE / Equivalent

Italacciai: SD804 - Lucas Indiel: 221291 | 223664 | 227336 - Paris Rhone: 105325 - WAI: 549408

**0462****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Borgward: Especial/Special - Peugeot: Especial/Special

EQUIVALENTE / Equivalent

Lucas Indiel: 227336 | 35257336

**0463****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

APLICAÇÃO / Application / Aplicación

Dodge: Dodge 1500 - Peugeot: 404 | 404/8 | 504 | J7

MOTOR

Ducellier: 6020 | 6035 | 6081 | 6020E | 6020F | 6035F | 6081E | 6081F

EQUIVALENTE / Equivalent

Bendix: 281025 | 293422 - Ducellier: 73893 - Italacciai: SD040 - Lucas Indiel: 227344 - Paris Rhone: 97584 | 103790 - Valeo: NE563 | NE584



**0467****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****Ford:** Escort GL | Escort Guanaja | Ghia 1.6 e 1.8 - **Renault:** Clio - **Volkswagen:** Carat | Gacel GL, GS | Gol | Santana | Senda**MOTOR****Lucas Indiel:** 35257510 | 35257790 | 35257890 | 35258060 | 35258180 | 35258290 | 35258340**EQUIVALENTE / Equivalent****Bosch:** 1987BE0040 - **Lucas Indiel:** 227783 | 228133 | 35257521 | 35257783 | 35258133**0468****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****Renault:** 19 1.6 | 21 2000 | 21GTX | CL3 1.6 Argentino | Fuego com motor 2000 Argentino e Brasileiro | Linea 21 2.2 | R 11 | R 12 | R 18 | R 9 | R19 | RFS | Trafic 2.2**MOTOR****Lucas Indiel:** 35258380**EQUIVALENTE / Equivalent****Bosch:** 1987BE0016 - **Lucas Indiel:** 227785 | 228139 | 35257525 | 35258139**0469****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****Ford:** Sierra Ghia 1.6 | Sierra L 1.6 - **Volkswagen:** Apollo Classic**EQUIVALENTE / Equivalent****Lucas Indiel:** 228134 | 35257650 | 35258393**0474****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 169

**APLICAÇÃO / Application / Aplicación****Audi:** 4000 TD | 80 1.6 D | 80 1.6 TD - **Opel:** Astra 1.7 D | kadett D/E 1.7 D | Vectra - **Vauxhall:** Astra D | Cavalier D - **Volkswagen:** Passat | Quantum | Santana**EQUIVALENTE / Equivalent****Bosch:** 9001066239**0475****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Audi:** A3 1.6, 1.8 e 2.0 | A6 1.6, 1.8 e 2.0 - **BMW:** 316i | 318i | 320i | 325i | 518i | 520i | 523i | 525i | 528i | 728i - **Ford:** Laser | Meteor | Transit 1.6, 2.0 | VL com odore - **Jaguar:** Daimler | Sovereign 2.9 - 3.6 - **Lamborghini:** 9LD 625 - **Land Rover:** Defender 2.5 - **Mazda:** 323 1.3 - 1.5 626/EGi - **Nissan:** Skyline Australian - **Toyota:** Corolla**MOTOR****Bosch:** 0001107033 | 0001108042 | 0001108054 | 0001108063 | 0001108065 | 0001108100 | 0001108108 | 0001108115 | 0001108117 | 0001108129 | 0001108131 | 0001108145 | 0001109009 | 0001110011 | 0001110028 | 0001110041 | 0001110042 | 0001110111 | 0001115035**EQUIVALENTE / Equivalent****Bosch:** 1006209534 | 1006209547 | 1006209549 | 1006209554 | 1006209559 | 9001066242 | 9001066247 | 9001066248 | 9001066476 | 9001690111 - **Lester:** 17148 | 17149 | 17236 | 17237 - **Lucas:** TMB554 - **Lucas Indiel:** 223259 - **WAI:** 549161**0482****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** Alfa 164 2.0 | Alfa 164 3.0 | Alfa 33 1.3, 1.5, 1.6 | Alfa 75 2.0 | Alfa 90 2.0 - **Audi:** 100 | 100INJ | 200 | 80 1.6, 1.8 e 1.9 | 80D | 80INL | 80TD | 90 | 90D | Coupe 1.6 | Quattro - **BMW:** 325E | 325i | 525E | 90 | 900 | 900 Turbo | 900 Turbo 16 | 9000 | 900INJ - **Citroën:** AX 07/1993... | BX14 07/1993... | BX16 07/1993... | LNA 11 07/1993... | Visa 10 07/1993... | Visa 11 07/1993... | Visa 14 ZX 1.9i, 2.0i 07/1993... - **Fiat:** Marea ELX 1.9 JTD | Marea Weekend ELX 1.9 JTD | Palio EX/ ELX Turbo Diesel | Palio SX 1.7 Turbo Diesel | Palio Weekend ELX Turbo Diesel | Panda 1000 | Panda 750 | Siena EX/ ELX Turbo Diesel | Stilo 1.9 JTD | Strada 1.7 Turbo Diesel | Uno 45 - **Ford:** Capri 2.3 | Granada 2.0, 2.3, 2.4, 2.8, 2.9 | Scorpio 2.4, 2.8, 2.8 INJ, 2.9, 2.9 4X4 | Sierra 2.0, 2.3, 2.3 INJ, 2.8, 2.8 4X4, 2.9 - **General Motors/Chevrolet:** Corsa 1.0, 1.4 | Omega 3.0, 4.1 | Omega Suprema 2.2, 3.0 | Silverado 4.1 - **Lancia:** Thema 8.32 - **Mercedes Benz:** 190 | 190E | 200 | 230 - **Opel:** Ascona Diesel | Ascona C20 | Kadett Diesel | Omega 1.8, 2.0 - **Peugeot:** 205 | 305 | 309 | 405 | 505 - **Renault:** R11 | R18 | R18 turbo | R9 | Trafic | Twingo | 1.2 1239ccm C3G 1992...1997 - **Volkswagen:** Derby | Gol | Golf 1.1, 1.3 | Jetta 1.3 | Kombi | Passat 1.6, 1.8 | Polo Diesel 1.0, 1.3 | Santana | Satation Wagon Diesel (USA) 1.6 | Scirocco | Transporter 1.6 Diesel | Voyage - **Volvo:** 740 2.0 e 2.3

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## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

## MOTOR

**Bosch:** 000114004 | 0001108001 | 0001108002 | 0001108003 | 0001108007 | 0001108009 | 0001108010 | 0001108011 | 0001108012 | 0001108016 | 0001108017 | 0001108018 | 0001108019 | 0001108022 | 0001108023 | 0001108024 | 0001108026 | 0001108027 | 0001108028 | 0001108029 | 0001108030 | 0001108031 | 0001108035 | 0001108038 | 0001108043 | 0001108044 | 0001108047 | 0001108048 | 0001108051 | 0001108052 | 0001108053 | 0001108056 | 0001108061 | 0001108062 | 0001108064 | 0001108072 | 0001108073 | 0001108074 | 0001108078 | 0001108079 | 0001108080 | 0001108081 | 0001108085 | 0001108086 | 0001108088 | 0001108089 | 0001108090 | 0001108093 | 0001108098 | 0001108101 | 0001108102 | 0001108107 | 0001108112 | 0001108113 | 0001108120 | 0001108124 | 0001108125 | 0001108126 | 0001108130 | 0001108136 | 0001108143 | 0001108148 | 0001108149 | 0001108150 | 0001108153 | 0001110012 | 0001110022 | 0001110023 | 0001110027 | 0001110029 | 0001110030 | 0001110045 | 0001110046 | 0001110048 | 0001110049 | 0001110052 | 0001110100 | 0001110101 | 0001110106 | 0001110107 | 0001110122 | 0001110128 | 0001112005 | 0001112007 | 0001112008 | 0001112013 | 0001112015 | 0001112021 | 0001112025 | 0001112027 | 0001112028 | 0001112029 | 0001112044 | 0001113001 | 0001113004 | 0001113007 | 0001113013 | 0001114003 | 0001114015 | 0001114016 | 0001208501 | 0001208507 | 0001208510 | 0001208515 | 0001208516 | 0001208517 | 0001208518 | 0001208528 | 0001208705 | 0001208707 | 0001208709 | 0001208710 | 0001208711 | 0001208713 | 0001208714 | 0001208717 | 0001211500 | 0001211501 | 0001211502 | 0001211503 | 0001211504 | 0001211505 | 0001211510 | 0001211514 | 0001211525 | 0001211536 | 9000333104 | 9000333106 | 9000333109 | 9000333114 | 9000333117

## EQUIVALENTE / Equivalent

**Bosch:** 1006209503 | 1006209504 | 1006209506 | 1006209509 | 1006209513 | 1006209526 | 1006209528 | 1006209530 | 1006209531 | 1006209533 | 1006209536 | 1006209548 | 1006209563 | 1006209567 | 1006209570 | 1006209572 | 1006209573 | 1006209582 | 1006209597 | 1006209598 | 1006209619 | 1006209684 | 1006209685 | 1006209693 | 1006209700 | 1006209701 | 1006209705 | 1006209709 | 1006209939 | F000AL1516 | F000AL1534 | F000AL1698 | F000AL1700 - **Cargo:** 131104 - **Fiat:** 9941314 - **General Motors/Chevrolet:** 90273737 - **Italacciai:** SD437 - **Lester:** 16401 | 16408 | 16619 | 16952 | 16956 | 16980 | 17011 | 17013 | 17039 | 17124 | 17135 | 17140 | 17157 | 17163 | 17164 | 17165 | 17225 | 17406 | 17407 | 17408 | 17508 | 17576 | 17664 | 17699 - **Lucas:** TMB455 | TMB570 - **Lucas Indiel:** 223261

**Volkswagen:** 02A911023 | 049911335A - **WAI:** 549140

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## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

## APLICAÇÃO / Application / Aplicación

**Austin:** Morris 1100 - **Bedford:** Caminhão - **Chrysler:** Dodge Ranger DKCF, DVC, WC | Dodge Ranger KC, VC | Dodge Ranger KCF, DKC - **Dodge:** Caminhão

## MOTOR

**Lucas Indiel:** 27575 | 26335A | 270508 | 27436A | 27443A | 27556A | 26233K/M | 26286F/J | 26320D/J | 26348A/D | 27419A/D | 27449A/D | 27462A/B | 27508A/D | 27509A/B | 27533A/E | 27543A/D | 27545A/B | 27546A/B | 27551A/B | 27552A/B | 27558A/E

## EQUIVALENTE / Equivalent

**Lester:** 16669 | 16984 | 17648 | 17653 | 18262 - **Lucas:** TMB121 | TNB169 | 54247389 | 54268142 | 60600038 - **Lucas Indiel:** 223262 - **WAI:** 549214

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## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

## APLICAÇÃO / Application / Aplicación

**John Deere:** Trator 6300 - **Mercedes Benz:** 190E | 200 | 230

## MOTOR

**Lucas Indiel:** 35256424 | 35257655 | 35258670

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 227816 | 35257816

[illegible]

**Chrysler:** 4106093 | 4145978 - **Fiat:** 4091920 | 4106093 | 4145978 - **Lester:** 3257 | 3258 - **WAI:** 3339

**0498****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Spectrum L4 1.5L 1471cc 92cid 1985...1986 | Spectrum L4 1.5L 1471cc 92cid w/Turbo 1987...1988 | Spectrum L4 1.5L 1471cc 92cid w/Turbo 1989 | Spectrum L4 1.5L 1471cc 92cid wo/Turbo 1987...1988 - **Geo:** Spectrum L4 1.5L 1471cc 92cid wo/Turbo 1989 - **Isuzu:** I-Mark L4 1.5L 1471cc 1985...1986 | I-Mark L4 1.5L 1471cc w/Turbo 1987...1989 | I-Mark L4 1.5L 1471cc wo/Turbo 1987...1989 - **Pontiac:** Sunburst L4 1.5L 1471cc 92cid 1985...1986 | Sunburst L4 1.5L 1471cc 92cid wo/Turbo 1987...1988 - **TCM Equipment Lift Truck:** Various Models 4XC1 Engine - **Toyota:** Corolla | Starlet

**MOTOR****Nippondenso:** 1280001310 | 1280001311 | 1280002170 | 1280004670 | 1280004671**EQUIVALENTE / Equivalent****Isuzu:** 8941258890 - **Lester:** 16245 | 16880 | 16883 - **Nippondenso:** 0283003570 | 0283003571 | 0283004410 - **WAI:** 548220**0499****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Nissan:** Bluebird 1.6, 1.8, 1.8 Turbo | Laurel 2.0 | Prairie 1.8 | Stanza 1.6, 1.8 | Urvan | Z20 | Z22**MOTOR**

**Hitachi:** S114319 | S114320 | S114348 | S114376 | S114389 | S114390 | S114391 | S114413 | S114426 | S114603 | S114604 | S114607 | S114320A | S114348A | S114389A | S114390A | S114391A | S114413A | S114607A | S114607C | S1143766B - **Mando:** OK24118400A - **Nissan:** 2330000 | 2330018C00 | 2330018C01 | 2330018C03 | 2330057M00 | 2330057M05 | 2330080W00 | 23300D0100 | 23300D0200 | 23300D0220 | 23300D1700 | 23300V5202 | 23300W0402 | 23300W0403

**EQUIVALENTE / Equivalent****Hitachi:** 211445504 - **Lester:** 16774 | 16805 | 16992 - **Nissan:** 23312D0100 - **WAI:** 548101**0502****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Fiat:** Spazio Diesel | Uno Diesel**MOTOR****Italacciai:** 4469693**EQUIVALENTE / Equivalent****Fiat:** 9937298 | 9938952 - **Italacciai:** SD167 - **Lucas:** TNB159 | 54267004 | 54267478 - **Lucas Indiel:** 223266**0506****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Chrysler:** Dodge**MOTOR****Lucas Indiel:** 26233A/J | 26286A/E | 26320A/B**EQUIVALENTE / Equivalent****Lucas:** TMB103 | 54246663 | 54257675**0517****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Nissan:** Cherry 1.0, 1.3, 1.5 | Micra | Prairie | Pulsar | Sentra | Sunny 1.3, 1.5, 1.6 | Tsuru - **Subaru:** Justy**MOTOR**

**Hitachi:** S114315 | S114316 | S114362 | S114364 | S114418 | S114419 | S114424 | S114435 | S114556 | S114568 | S114617 | S114630 | S114769 | S114-424 | S114-617 | S114-769 | S114419A | S114435A | S114435B | S114435E | S114556A | S114617A | S114-617A - **Nissan:** 2330070Y00 | 2330070Y01 | 2330074Y00 | 2330085A01 | 23300KA010 | 23300KA160 | 23300KA270 | 23300KA440 | 23300KA510 | 23300M8000 | 23300M8001 | 23300M8200 | 23300M8201 - **Subaru:** 429916400 | 429916500 | 429916700 | 429916710 | 23300KA010 | 23300KA270 | 23300KA290

**EQUIVALENTE / Equivalent****Hitachi:** 211415504 - **Lester:** 16775 | 17057 | 17147 | 17295 - **Nissan:** 23312KA050 | 23312M8000 | 23312KA050 - **Subaru:** 492866401 | 23300KA270 - **WAI:** 548103**0519****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación**

**Asia Motors:** Towner - **Nissan:** 200SX L4 1.6L 1597cc 97cid 1995...1998 | Cherry | GA13, GA15, G16 | Pulsar | Sentra L4 1.6L 1597cc 97cid 1995...1999 | Sunny  
**Subaru:** Justy 1.2

**0519****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**MOTOR****Nissan:** 2330073C10 | 23300M8010 | 23300M8011 | 23300M8110 | 23300M8310 | 23300M215R - **Suzuki:** 3110071J00**EQUIVALENTE / Equivalent****Lester:** 16732 | 16775 | 17057 | 17147 | 17580 - **Mitsubishi:** M191T26171 - **WAI:** 548332**0520****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Ford:** Capri 1.6, 2.0 | Courier com motor Zetec | Escort 1.1, 1.3, 1.6, 1.6 D | Fiesta 1.0, 1.1, 1.3, 1.4, 1.6 D | Granada 2.0 | Mondeo 1.8i e 2.0i | Orion 1.6 D | Scorpio 1.8, 2.0 e 2.0 I | Sierra 1.3, 1.6, 1.8, 2.0, 2.0 I, 2.3 | XR2 | XR3 com motor Zetec 1.8**MOTOR****Bosch:** 0001107014 | 0001107016 | 0001107027 | 0001107028 | 0001107029 | 0001107041 | 0001108004 | 0001108020 | 0001108033 | 0001108037 | 0001108039 | 0001108040 | 0001108057 | 0001108071 | 0001108082 | 0001108083 | 0001108087 | 0001108106 | 0001108110 | 0001108111 | 0001108121 | 0001108122 | 0001108132 | 0001108139 | 0001108140 | 0001108152 | 0001108155 | 0001110013 | 0001110019 | 0001110069 | 0001110070 | 0001112009 | 0001112012 | 0001112016 | 0001112020 | 0001112033 | 0001113003 | 0001113005 | 0001113009 | 0001114008 | 0001114014 | 0001114017 | 0001114020 | 0001114021 | 0001114022 | 0001208513 | 0001208514 | 0001208521 | 0001208706 | 0001208715 | 0001208718 | 0001211512 | 0001211513 | 0001211515**EQUIVALENTE / Equivalent****Bosch:** 1006209510 | 1006209516 | 1006209537 | 1006209545 | 1006209566 | 1006209905 | F000AL1519 | F000AL1699 - **Cargo:** 131433 - **Italacciai:** SD439 - **Lester:** 16405 | 16530 - **Lucas:** TMB566 - **Lucas Indiel:** 223119 - **WAI:** 549189**0522****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Camaro | Caprice Modelo Antigo | Impala Modelo Antigo | Malibu 1976...1981 | Monte Carlo | Nova | Pick Up Modelo Antigo | Truck 350 | Truck Big 10 Modelo Antigo | Truck C60/C70**EQUIVALENTE / Equivalent****Bosch:** 1987BE0017 - **Remy:** 1865687**0528****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Ford:** FT100 | FT120 | FT130 | FT160 | FT190 | FT80 | Transit**MOTOR****Bosch:** 0001362307**EQUIVALENTE / Equivalent****Bosch:** 2006209466 - **Lucas Indiel:** 223709 - **WAI:** 5491132**0530****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Peugeot:** 504 D | 505 D TD | 605 D TD | J9 D - **Talbot:** Tagora D**EQUIVALENTE / Equivalent****Lester:** 16752 - **Paris Rhone:** 103624**0532****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 170

**APLICAÇÃO / Application / Aplicación****Chrysler:** Dodge 2.2, 2.5 lts | Shadow 2.5, 3.0 V6 | Spirit 2.5, 3.0 V6 | Voyager 2.5, 3.0 V6**MOTOR****Bosch:** 0001108013 | 0001108032 | 0001108045 | 0001108046 | 0001108066**EQUIVALENTE / Equivalent****Bosch:** 1006209527 - **Lester:** 16963 | 16976 - **Lucas Indiel:** 223329 - **WAI:** 549144**0533****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación****Fiat:** 1100D 217D | 125 Polonês | 1300 | 1500 | 1500L | 1600S | 1800 | 1800B | 2300

**0533****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**MOTOR**

Fiat: 4085959 | 4085977 - Iskra: 10130150 - Italacciai: 4085959 | MTD1201 - Magneti Marelli: 63222300 | 63222301 | 63222331

**EQUIVALENTE / Equivalent**

Bosch: 1987BE0041 - Femsal: 106122 - Fiat: 4141057 - Iskra: 18900179 - Italacciai: SD105 | SD106 - Lucas Indiel: 223270

**0537****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

Volvo: 244 L4 2.3L 2316cc 1985...1987 | 245 L4 2.3L 2316cc 1985...1987 | 740 L4 2.3L 2316cc 1985 | 760 L4 2.3L 2316cc 1985 | Europe Car 240 Séries 1800 1983...1993 | Europe Car 240 Séries 2000 1984...1993 | Europe Car 240 Séries 2000, Turbo 1983...1984 | Europe Car 240 Séries 2100, Turbo 1983...1986 | Europe Car 240 Séries 2300 1987...1993 | Europe Car 360 Séries 2000 1983...1990 | Europe Car 740 Séries 2000 1984...1991 | Europe Car 740 Séries 2000, Turbo 1984...1989 | Europe Car 740 Séries 2300 1984...1990 | Europe Car 740 Séries 2300, Turbo 1986...1990 | Europe Car 760 Séries 2000, Turbo 1984...1989 | Europe Car 760 Séries 2300, Turbo 1983...1990 | Europe Car 940 Séries 2000 1991...1994 | Europe Car 940 Séries 2000, Turbo 1992...1994 | Europe Car 940 Séries 2300 1990...1997 | Europe Car 940 Séries 2300, Turbo 1990...1997 | Europe Car 960 Séries 2300, Turbo 1990...1992

**MOTOR**

Hitachi: 5114232

**EQUIVALENTE / Equivalent**

Hitachi: 211495007 - Lester: 16954 - WAI: 548131

**0540****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

Lada: 2108 | Niva 4x4 | Samara

**EQUIVALENTE / Equivalent**

CBT: 210803708620 - Lada: 210803708620 - Lucas Indiel: 223271

**0545****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

Ford: Courier

**MOTOR**

Ford: SAE728 | 868218400 | D97Z11002A - Nippondenso: 280006090

**EQUIVALENTE / Equivalent**

Ford: SDE311 | D97Z11350A - Lester: 16245 - Nippondenso: 0283002100

**0554****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

Nissan: Cherry Automáticos | Micra Automáticos | Sunny Automáticos | Tsuru

**MOTOR**

Hitachi: S114317 | S114318 | S114345 | S114377 | S114378 | S114317A | S114318A | S114345A | S114345B | S114378A | S114378B - Nissan: 2330015A00 | 2330015A05 | 2330015A06 | 23300M8101 | 23300M8301 | 23300M8501 | 23300M8502

**EQUIVALENTE / Equivalent**

Hitachi: 211425504 | 211495505 - Lester: 16732 | 16991 - Nissan: 23312M8101

**0570****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

Peugeot: 205

**MOTOR**

Paris Rhone: D10E85 | D10E92 | D10E922

**EQUIVALENTE / Equivalent**

Italacciai: SD044 - Lucas: TMB266 - Lucas Indiel: 223745 - Paris Rhone: 103611 - Remy: 96051972 - WAI: 549427

**0571****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

APLICAÇÃO / Application / Aplicación

Renault: R18 Diesel

MOTOR

Italacciai: D11E172 - Paris Rhone: D11E172

EQUIVALENTE / Equivalent

Italacciai: SD335 - Lester: 17005 - Lucas Indiel: 223315 - Paris Rhone: 99738 - WAI: 549430

**0572****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

APLICAÇÃO / Application / Aplicación

Mercedes Benz: 190D 2.2, 2.5 | 200D DT | 208D | 210D | 250D DT | 300D DT | 308D | 310D | 408D - Ssangyong: Musso 2.3, 2.5

MOTOR

Bosch: 0001218006 | 0001218016 | 0001218021 | 0001218029 | 0001218108 | 0001218109 | 0001218110 | 0001219001 | 0001219007 | 0001219009

EQUIVALENTE / Equivalent

Bosch: 1006209523 | 9003336291 - Lester: 17040 - Lucas Indiel: 223746 - Vulko: 18244 - WAI: 549177

**0573****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

APLICAÇÃO / Application / Aplicación

BMW: 324D | 324TD | 524TD | 750i - Chrysler: Dodge | Dodge Dakota 2.5 Diesel | Jeep Cherokee Sport - Jeep: Cherokee | Grand Cherokee - Opel: Omega 2.3 D, 2.3 TD | Rekord 2.3 D, 2.3 TD | Senator 2.3 TD - Peugeot: Boxer

MOTOR

Bosch: 0001218009 | 0001218011 | 0001218026 | 0001218027 | 0001218028 | 0001218135 | 0001218136 | 0001218177

EQUIVALENTE / Equivalent

Bosch: 1006209524 | 6033AD0044 | 6033ADO044 | 9003336280 - Lester: 17016 | 17183 - Lucas Indiel: 223747 - WAI: 549176

**0574****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

APLICAÇÃO / Application / Aplicación

Citroën: Especial/Special - Peugeot: Especial/Special - Renault: Especial/Special

MOTOR

Ducellier: 534031 | 534032 | 534039 | 534043 | 534044 | 534047 | 534054 | 534055 | 534057 | 534023A | 534029A | 534042AB | 534043AB - Italacciai: 534029A

EQUIVALENTE / Equivalent

Bendix: 327585 | 331025 | 331032 - Ducellier: 583277 | 583289 | 583336 | 583347 | 683145 - Italacciai: SD047 | SD499 - Lester: 16756 | 16797 - Lucas: TMB265  
Paris Rhone: 106140 | 183917 - Valeo: NE307 | NE308 | NE603 | 583289 | 583336 - WAI: 549400**0575****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

APLICAÇÃO / Application / Aplicación

Chrysler: Daytona 3.0 1988...1994 | Saragata 3.0 1991...1993 | Voyager V6 3.0 1986...1993 - Fiat: Duna | Uno Diesel - Renault: R11 Diesel | R9 Diesel

MOTOR

Bosch: 0001110024

EQUIVALENTE / Equivalent

Bosch: 1006209546 | 9008047003 | F000AL2108 - Lester: 17047 - Lucas Indiel: 223120 - WAI: 549157

**0576****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

APLICAÇÃO / Application / Aplicación

Suzuki: Baleno | Swift 1.3

MOTOR

Nippondenso: 280009900 | 280009901 - Remy: 96051950 | 96062498 - Suzuki: 3110082010 | 3110082011

EQUIVALENTE / Equivalent

Bosch: 1987BE0042 - Lester: 16971 - Nippondenso: 0283004390 | 0283005850 - Remy: 96051972 - Suzuki: 3132082010 - WAI: 548221

**0579****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

**Seat:** Cordoba 1.9 Diesel | Cordoba 1.9 Diesel Turbo | Cordoba SXE 1996 - **Volkswagen:** Cabrio, GTD, GTI | Cabriolet Carat L4 1.8 1991 | Cabriolet Carat L4 1.8 gasolina 1992 | Cabriolet Classic L4 1.8 gasolina 1993 | Cabriolet Etienne Aigner L4 1.8 gasolina 1991 | Corrado SLC V6 2.8 gasolina 1992 | Corrado SLC V6 2.8 gasolina 1993 | Corrado SLC V6 2.8 gasolina 1994 | Corrado V6 V6 2.8 gasolina 1993 | Corrado V6 V6 2.8 gasolina 1994 | Eurovan Camper L5 2.5 gasolina 1995 | Eurovan CL L5 2.5 gasolina 1993 | Eurovan CV L5 2.5 gasolina 1993 | Eurovan GL L5 2.5 gasolina 1993 | Eurovan GLS L5 2.5 gasolina 1994 | Eurovan GLS L5 2.5 gasolina 1995 | Eurovan MV 1994 | Eurovan MV L5 2.5 gasolina 1993 | Gol GTI | Golf 1.6, 1.8, Diesel | Jetta 1.8, Diesel, INJ, TD | Sincro

**MOTOR**

**Bosch:** 0001108094 | 0001108095 | 0001108127 | 0001110001 | 0001110002 | 0001110014 | 0001110076 | 0001110077 | 0001110098 | 0001112003 | 0001112038 | 0001114005

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209543 | 1006209544 | 1006209576 | 1006209596 | 1006209703 | 1006209710 | 1006209918 | 1006209919 | 1006209921 | 1007010045 - **Cargo:** 132216  
**Fiat:** 9944373 - **Lester:** 17030 | 17134 | 17222 - **Lucas Indiel:** 223274 - **WAI:** 549168

**0595****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Tracker - **Hyster:** Empilhadeira - **Hyundai:** Elantra | i30 | Pony | Santa Fé 2008 | Sonata 2.4, 3.0 | Stellar | Tucson - **Jeep:** Eagle 1.6, 1.8, 2.0 T - **Mitsubishi:** 4G63 | 4G93 | Eclipse 2.0T | Expo | Galant 2.0, 2.4, 3.0 | Mirage | Montero | Pajero | Sigma | Tredia 2.0 - **Nissan:** GA 15 | GA 16 - **Suzuki:** Sidekick 1994 | Vitara

**MOTOR**

**General Motors/Chevrolet:** 30001696 - **Mazda:** AM1518400 - **Mitsubishi:** 79581 | MT36100 | MOT70281 | MOT70381 | MOT70481 | MOT70681 | MOT70781 | MOT70981 | MOT71181 | MOT71381 | MOT71581 | MOT71681 | MOT72581 | MOT73281 | MOT73381 | MOT77681 | MOT85681 | M1M70685 | M1M72086 | M1T70481 | M1T70482 | M1T70483 | M1T70485 | M1T70681 | M1T70685 | M1T70686 | M1T70687 | M1T71381 | M1T71382 | M1T71581 | M1T71681 | M1T72081 | M1T72085 | M1T72086 | M1T72088 | M1T72581 | M1T72583 | M1T73281 | M1T73283 | M1T73381 | M1T74881 | M2T53083 | MD099667 | MD112625 | MD136933 | MD162839 | MD162840 | MD162842 | MD162843 | MD163188 | MD170049 | MD172860 | MD172861 | MD172863 | MD172864 | MD174482 | MD174483 | MD180937 | MD182488 | MD188720 | MD188721 | M1T70685A | M1T72086A | M1T723281 | M000T85681 | M000T92581 | MOT85681ZC - **Nissan:** 2330008U10 | 2330020P10 | 2330020P11 | 2330022P70 | 2330022P71 | 2330041B76 | 2330042L70 | 2330050Y10 | 2330050Y11 | 2330050Y12 | 2330057M70 | 2330057M75 | 2330057M90 | 2330065Y10 | 2330077A11 | 2330084A17

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0043 - **General Motors/Chevrolet:** 96063636 - **Lester:** 16874 | 16939 | 17131 | 17146 | 17185 | 17214 | 17217 | 17221 | 17266 | 17478 | 17592  
**Lucas Indiel:** 223764 - **Mazda:** AM1518X25 - **Mitsubishi:** 12071 | 12471 | MD611211 | M001T73283 | M191T12070 | M191T12071 | M191T12471 - **Nissan:** 233542L70 | 2331242670 | 2335442L70 | 2335704E10 - **Suzuki:** 3132086030 - **WAI:** 548313

**0596****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

**Clark:** Empilhadeira Clark CGP25 - **Nissan:** Titan 5.6

**MOTOR**

**Ford:** SAE770 | SAE781 | FE1H18400 | E22E18400A | E92Z11002A | F02Z11002B | F12Z11002A | F22518400A - **Mazda:** E22E18400 | F21418400 | F2D418400 | FE1H18400 | F21418400A | F21418400B | F21418400C | F2D418400A - **Mitsubishi:** M1M70981 | M1M71281 | M1M71481 | M1M72181 | M1M72182 | M1Q71281 | M1T70981 | M1T70985 | M1T71081 | M1T71281 | M1T71481 | M1T71881 | M1T72181 | M1T72182 | MD318086 | M1T70981A | M1T71281A | M1T71281B | M1T71481A | M1T72181A | M1T72182A | MD 318086 - **Nissan:** 2330001Y10 | 2330020R11 | 2330020R91 | 2330030F10 | 2330030F11 | 2330044R10 | 2330044R11 | 23300D0511 | 23300D0513

**EQUIVALENTE / Equivalent**

**Ford:** SDE335 | SDE336 | SDE342 | E92Z11350A | E92Z11350B - **Lester:** 16900 | 16933 | 16998 | 17132 | 17176 | 17469 - **Mazda:** F21418X25 - **Mitsubishi:** M191T12171 | M191T13271 - **Nissan:** 2335420R10 - **WAI:** 548314

**0597****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 171

**APLICAÇÃO / Application / Aplicación**

**Jeep:** Grand Cherokee 1995 | Jeep Cherokee 01/1994... | Jeep Cherokee 4.0 01/1987...01/1992 | Jeep Wrangler 4.0, 4.2 01/1988... 01/1993

**MOTOR**

**Mitsubishi:** M1T74281 | M1T74481 | M1T74482 | 56041012AB | M001T84381ZC

**EQUIVALENTE / Equivalent**

**Lester:** 16514 | 17006 | 17046 | 17564 - **Lucas Indiel:** 223766 - **Mitsubishi:** M191T12271 | M191T12272 - **WAI:** 548315



**0600****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

Subaru: Coupe XT

MOTOR

Mitsubishi: M1T70381 - Subaru: 23300AA040

EQUIVALENTE / Equivalent

Lester: 16888 - Mitsubishi: 16171 | M191T16171 - Nissan: 23312AA000 - Subaru: 23312AA000

**0601****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 30AR8 | 32AR8 | 35AR8 | 40AR8 - Fiat: 131 2.0, 2.5 diesel | 132 2.0, 2.5 diesel | Argenta 2.5 diesel | Nuova Argenta Diesel - Fiat Allis: 4 Apripista FE14, FE16, FL4C | 4 Apripista FL4D, FR20, FR7, FR9 | 4 Apripista, 645, FE12, FE2R - Fiat Iveco: Caminhão 70.12 | Caminhão 80.13 | Caminhão 90.13 | Caminhão 100 | Caminhão 100.13 | Caminhão 110 | Caminhão 150.17 | Caminhão 150.20 | Caminhão 159.17 | Caminhão 159.20 | Caminhão 314.3 | Caminhão 315.23 | Caminhão 315.8 | Caminhão 50.10 | Caminhão 50.8 | Caminhão 50.9 | Caminhão 55.8 | Caminhão 55.9 | Caminhão 60.10 | Caminhão 60.8 | Caminhão 65.10 | Caminhão 70.10 | Caminhão 75.10 | Caminhão 79.10 | Caminhão 79.13 | Caminhão 80 | Caminhão 90 | Daily 28.8 | Daily 30.8 | Daily 32.8 | Daily 35.8 | Daily 40.8 | Ducato 2.0 e 2.5 Diesel - Seat: 131 2.5 Diesel

MOTOR

Magnet Marelli: 63216731 | 63216741 | 63216831 | 63216896 | 63217126 | 63217148 | 63217154 | 63217188 | 63217226 | 63217410

EQUIVALENTE / Equivalent

Fiat: 7984505 | 9961781 | 79081045 - Italcacciai: SD077 - Lester: 18092 | 18093 - WAI: 549307

**0605****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

Volkswagen: Furgão | Kombi | Pick Up

EQUIVALENTE / Equivalent

Lucas Indiel: 221911 - Tria: 3143 | ZAA911335

**0609****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

Dodge: 1500

EQUIVALENTE / Equivalent

Lucas Indiel: 221904 - Tria: 116

**0610****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Blazer V6 USA 1988... | GMC | Motor para Empilhadeira Hyster - Hyster: Empilhadeira Hyster

EQUIVALENTE / Equivalent

Bosch: 1987BE0044 - Lester: 6407 - Lucas Indiel: 223278 - Remy: D2047 | 1989214 - WAI: 54140

**0615****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

Land Rover: Land Rover 2.25 D

MOTOR

Lucas Indiel: M45G | 27410A | 27418A | 26270AJ | 26300AJ

EQUIVALENTE / Equivalent

Lucas: TMB106 | 54246727 - WAI: 549225

**0617****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

APLICAÇÃO / Application / Aplicación

Chrysler: PT Cruiser - Hyundai: Accent II 1500, 3 cil. 2002...2003 | Getz 1500, 3 cil. D3-EA 2004...2005 | Matrix 1500, 3 cil. 2001...2006 - Suzuki: Vitara

**0617****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

**MOTOR**

**General Motors/Chevrolet:** 96058456 | 96058457 | 96064782 | 96064783 - **Hyundai:** 3610027510 - **Lester:** 33186 - **Mitsubishi:** M1T72481 | M1T74581 - **Suzuki:** 3110050A10 | 3110060A11 | 3110060A20 | 3110060A21 | 3110060AC1 - **Valeo:** TM000A31201

**EQUIVALENTE / Equivalent**

**Cargo:** 236985 - **General Motors/Chevrolet:** 96058480 - **Lester:** 17166 | 17194 | 17206 - **Mitsubishi:** M191T12871 - **Suzuki:** 3132060A10 - **WAI:** 548321

**0619****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Golf Turbo diesel | Jetta Turbo diesel

**MOTOR**

**Bosch:** 0001110001

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209522 | F000AL1520 | F000AL1708 - **Lester:** 17030 - **Lucas Indiel:** 223782 - **WAI:** 549169

**0630****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

**APLICAÇÃO / Application / Aplicación**

**Fiat:** Duna 1.7 D | Selecta TD | Tipo 1.7 D | Uno - **Fiat Iveco:** Especial/Special - **Mercedes Benz:** E 420 | E 420 T- Modell | E 500 | E 500 Coupe | E 500 SEC / S500 | E 500 SEC Coupe | E 560 SEL | S 420 | S 500 | SL 500 - **Renault:** Express | R11 Diesel | R5 Diesel | R9 Diesel

**MOTOR**

**Bosch:** 0001110003 | 0001110005 | 0001110016 | 0001110025 | 0001110026 | 0001110039 | 0001110053 | 0001110054 | 0001110055 | 0001110075 | 0001110078 | 0001110079 | 0001110082 | 0001110089 | 0001110091 | 0001110092 | 0001110095 | 0001110102 | 0001110113 | 0001110115 | 0001110124 | 0001110125 - **Fiat:** 7580192

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209538 | 1006209539 | 1006209691 - **Cargo:** 132205 - **Fiat:** 9940740 - **Italacciai:** SD062 - **Lester:** 17038 | 17150 | 17227 | 17281 | 17410 | 17698

**Lucas Indiel:** 222525 - **WAI:** 549156

**0631****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

**APLICAÇÃO / Application / Aplicación**

**Audi:** 100D | 100TD - **Fiat:** Ducato | Marengo | Regata TD | Ritmo TD | Tipo TD - **Lancia:** Dedra TD | Delta TD | Prisma TD - **Volkswagen:** LT28 | LT31 | LT35 | LT40 | LT45 | LT50 D Turbo - **Volvo:** 240 2.4 D | 740 2.4 D | 760 2.4 TD

**MOTOR**

**Bosch:** 0001218001 | 0001218004 | 0001218005 | 0001218008 | 0001218010 | 0001218012 | 0001218013 | 0001218017 | 0001218018 | 0001218025 | 0001218107 | 0001218115 | 0001218120 | 0001219004 | 0001219008 - **Fiat:** 5984563 | 5985182

**EQUIVALENTE / Equivalent**

**Bosch:** 9001140317 | 9003336293 - **Fiat:** 9939194 - **Italacciai:** SD440 - **Lester:** 17009 - **Lucas Indiel:** 223285 - **WAI:** 549158

**0632****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

**APLICAÇÃO / Application / Aplicación**

**Ford:** Granada 2.5 D | Scorpio 2.5 D | Sierra 2.3 D - **Renault:** R18 Diesel

**MOTOR**

**Bosch:** 0001218002 | 0001218015 | 0001218022 | 0001218106 | 0001218129

**EQUIVALENTE / Equivalent**

**Bosch:** 9002336207 | 9003336201 | 9003336284 - **Lucas Indiel:** 223788

**0633****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

**APLICAÇÃO / Application / Aplicación**

**Ford:** Escort 1.6 D | Fiesta 1.6 D | Orion 1.6 D

**MOTOR**

**Bosch:** 0001317023

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209519 - **Lucas Indiel:** 223789

**0636****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

## APLICAÇÃO / Application / Aplicación

Ford: Festiva - Kia: Pride

## MOTOR

Ford: SAE763 | SAE782 | SAE761A | B8GY11002A | E8BZ11002A | F0BZ11002A - Mazda: B30118400 | B30118400C | B35918400A - Mitsubishi: M3T33081 | MC108027

## EQUIVALENTE / Equivalent

Ford: SDE334 | E8BZ11350A - Lester: 17010 - Lucas Indiel: 223792 - Mazda: B30118400 | B30118X45 - Mitsubishi: M191T26771 - WAI: 548330

**0639****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

## APLICAÇÃO / Application / Aplicación

Ford: Escort XR3 - Seat: Especial/Special - Volkswagen: Eurovan | Pointer | Polo

## MOTOR

Bosch: 0001110031 | 0001110032 | 0001110061 | 0001110062 | 0001110084 | 0001110085

## EQUIVALENTE / Equivalent

Bosch: 1006209552 | 1006209912 - Cargo: 134371 - Lester: 17231 - Lucas: TMB474 - Lucas Indiel: 223795 - WAI: 549173

**0641****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

## APLICAÇÃO / Application / Aplicación

Chrysler: Grand Caravan 3.0 i LE | Spirit | Voyager 2.5 e 3.0.

## MOTOR

Bosch: 0001108068 | 0001108069 | 0001108070 | 0001108103 | 0001108104 | 0001108105 | 0001108123 | 0001108134 | 0001108135 | 0001108160

## EQUIVALENTE / Equivalent

Bosch: 1006209561 - Lester: 16963 | 17210 - Lucas Indiel: 223332 - WAI: 549159

**0644****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 172

## APLICAÇÃO / Application / Aplicación

Bobcat: Especial/Special - Nissan: Fork Lifts - Yanmar: Especial/Special

## MOTOR

Hitachi: 5114219 | 5114230 | 5114235

## EQUIVALENTE / Equivalent

Hitachi: 211455003 - Lester: 18206 | 18207 | 18218 - WAI: 548120

**0645****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

Agco: Trator 9630 6-374 Deutz diesel 1993...1995 | Trator 9650 6-374 Deutz diesel 1993...1996 - Lincoln: Especial/Special - Teledyne: Especial/Special

## MOTOR

Remy: 10479619

## EQUIVALENTE / Equivalent

Remy: 10457178 - WAI: 548409

**0646****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

Citroën: Citroen BX 19 Diesel - Peugeot: 205 Diesel

## MOTOR

Italacciai: D9R084

## EQUIVALENTE / Equivalent

Italacciai: SD509 - Lucas Indiel: 223801 - Paris Rhone: 105540

**0647****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

**APLICAÇÃO / Application / Aplicación****Citroën:** Especial/Special 1983...1990 - **Peugeot:** Especial/Special 1987...1994**MOTOR****Valeo:** D9R90 | D9R99**EQUIVALENTE / Equivalent****Lucas:** TMB275 - **Paris Rhone:** 180826 - **Valeo:** NE211 | 182177**0649****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

**APLICAÇÃO / Application / Aplicación**

**Bobcat:** 2400 Perkins 4-236 Dsl 1989...1991 | 2410 Perkins 4-236 Dsl 1989...1993 | 3023 Kubota V1702 Dsl 1989...1992 | 641 Deutz F2L511 Dsl 1989...1990 | 741 Deutz F2L511D Dsl 1989...1990 | 843B Isuzu 4JB1PK-01 Dsl 1990...1992 | 843HC Isuzu 4JB1PK-01 Dsl 1989...1992 | 853 Isuzu 4JB1PK-03 Dsl 1990...1994 | 853H Isuzu 4JB1PK-03 Dsl 1991...1994 | 943 Perkins 4-236 Dsl 1990...1994 | 974 Perkins 4-236 Dsl 1989...1990 - **Clark:** 2000 Perkins 2.5L 1989 | 641 Deutz F2L511 1989...1990 | 741 Deutz F2L511 1989...1990 | 843 Perkins 2.5L 1989...1990 | 843B Isuzu Engines 1990...1992 | 853 / 853H Isuzu Engines 1991...1995 | 943 Perkins 4-236 1990...1994 | 974 Perkins 4-236 1989...1990 - **Hyster:** H-150-275H Perkins 6-354 1985...1986 | H350A Perkins 6-354 1985...1988 - **Lincoln:** Various Perkins - **Lister Petter Tractor:** TX2 / TX3 - **Macdon:** Macdon 7000 Perkins Diesel 1993...1997 - **Mack:** CS Séries (Midliner) Mack Engines 1990...1999 | CS Séries (Midliner) Renault 5.8L 1986...1991 | CS Séries (Midliner) Renault 6.2L 1990...2001 | CS Séries (Midliner) Renault 8.8L 1986...1990 | MS Séries (Midliner) Mack E3 1990...1999 | MS Séries (Midliner) Mack E5 / EC5 1986...1990 | MS Séries (Midliner) Renault 5.8L 1986...1991 | MS Séries (Midliner) Renault 6.2L 1990...1999 - **Massey Ferguson:** MF-60E Perkins Diesel Engines 1989...1992

**Miller Electric Welder:** 27 Séries 2.0L Teledyne Eng 1989...1993 | 27 Séries Teledyne 2.0L, 2.7L 1989...1993 | Big 40 Cont. Eng 1992 - **New Holland:** 1426 Caterpillar Engines 1986...1989 | 1426 Perkins Engines 1982...1985 | 1495 Perkins Engines 1982...1985 | L783 Perkins 4-203 Diesel 1989...1995 | L785 Perkins 4-203 Diesel 1989...1994

**Perkins:** 4-236 4 cil Diesel 1989...2004 | Various Models Diesel - **Prairie Sprayer:** 4800 Sprayer Perkins Diesel 1993...1997 | 4900 Sprayer Perkins Diesel 1993...1997

**Westerbeke:** 108B Six 6 cil Diesel 1991...1994 | 108C Six 6 cil, 247ci 4.1L Diesel 1994...2007 | 16.0 BED 4 cil Diesel 1990...1995 | 64A Four 4 cil, 182ci 3.0L Diesel 2003...2007 | 71C Four 4 cil, 154ci 2.5L Diesel 1994...2007 | 82B Four 4 cil, 182ci 3.0L Diesel 1991...2007 | 90A Four 4 cil, 211ci 3.5L Diesel 1999...2007 | GCX40 Perkins Diesel Engines 1990...1997 | GCX50 Perkins Diesel Engines 1990...1997 | GPX35D Perkins Diesel Engines 1990...1995 | GPX40D Perkins Diesel Engines 1990...1995 | GPX50D Perkins Diesel Engines 1990...1995 - **Westward:** 7000 Perkins Diesel 1993...1997

**MOTOR****Remy:** 1113274 | 1113275 | 1113278 | 1113281 | 1113282 | 1113284 | 1113285 | 1113288 | 1113289 | 1113290 | 1113297 | 10479607**EQUIVALENTE / Equivalent****Lester:** 6572 | 6576 | 6578 | 6581 | 6584 | 6587 | 6588 | 6593 | 6600 | 6602 - **Remy:** 10457057**0653****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

**APLICAÇÃO / Application / Aplicación****Ford:** Cougar | Fairmont - **General Motors/Chevrolet:** Celebrity 1982...1988 | Chevrolet V6 Citation**EQUIVALENTE / Equivalent****Bosch:** 9001041103 | 9001043103**0656****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

**APLICAÇÃO / Application / Aplicación****Renault:** Espace | Fuego | Master | R18 | R20 | R21 | R25 | R30 Turbo diesel | Trafic Diesel**MOTOR****Italacciai:** D9R073 - **Valeo:** D9R73 | D9R134**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0047 - **Italacciai:** SD508 - **Lester:** 17085 - **Lucas Indiel:** 221292 - **Paris Rhone:** 105538 | 185182 - **Valeo:** NE209 | NE883 | 182047 | 185182 | 594245

**WAI:** 549424

**0657****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

**APLICAÇÃO / Application / Aplicación****Ford:** F1000 Maxion HSD - **General Motors/Chevrolet:** S10 2.5 Diesel Maxion - **Land Rover:** Discovery OMO14A - **Mercedes Benz:** Sprinter 310 Diesel**MOTOR****Italacciai:** D9R091 - **Valeo:** D9R91**EQUIVALENTE / Equivalent****Italacciai:** SD483 - **Lucas:** TMB276 - **Lucas Indiel:** 223808 - **Paris Rhone:** 181068 - **Valeo:** 182178 | NE 212 - **WAI:** 549444

**0661****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Chrysler:** Dodge Série S - **Ford:** D0707 | D0810 | D0910 | D1010 | D1111 | D1211 | D1314 | N0708 | N0710 | N0808 | N0810 | N0812 | N0814 | N0910 | N0914 | N1114 | N1414 | NA1814 | NA2214 - **Massey Ferguson:** MF155 | MF158 | MF168 | MF186 | MF187 | MF188 | MF487 | MF507 | MF510 | MF520 | MF525 | MF87 - **Perkins:** Tratores, Industriais, Estacionários.

## MOTOR

**Bosch:** 0001359067 | 0001359069 | 0001359081 | 0001359082 | 0001359104 | 0001359109 | 0001359110 | 0001360055

## EQUIVALENTE / Equivalent

**Bosch:** 2006209413 | 2006209443 - **WAI:** 549184**0663****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Isuzu:** Especial/Special

## EQUIVALENTE / Equivalent

**Fiat:** 70449580 - **Hitachi:** 22505550 | 212095001 - **Isuzu:** 5811230040**0671****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Magneti Marelli:** Viejo - **Mazda:** 626

## EQUIVALENTE / Equivalent

**Bosch:** 1987BE0020**0672****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Ford:** Topaz

## EQUIVALENTE / Equivalent

**Bosch:** 9001043259**0673****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Nissan:** Pick Up | Sentra | Vanette

## EQUIVALENTE / Equivalent

**Bosch:** 9001042060 - **WAI:** 548321**0674****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Ford:** Especial/Special - **Willys:** Especial/Special

## EQUIVALENTE / Equivalent

**Bosch:** 9001043179**0675****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**Chrysler:** Dodge 6cil e 8cil - Motor B 1979...1981

## EQUIVALENTE / Equivalent

**Bosch:** 9001043152**0676****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Chevrolet 8 cilindros

## EQUIVALENTE / Equivalent

**Bosch:** 9001043180

**0677****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 173

APLICAÇÃO / Application / Aplicación

Ford: 3600 Tractor - Inter: Especial/Special

MOTOR

Bosch: 0001362048 | 0001362049 | 0001362084 | 0001362100

EQUIVALENTE / Equivalent

Bosch: 2006209463 | 2006209474 | F002G20278 - WAI: 5491140

**0679****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

APLICAÇÃO / Application / Aplicación

Nissan: 240SX L4 2.4L 2389cc 1989...1990/1991...1998 | Axxess L4 2.4L 2389cc 1990...1995 | KA24E | Stanza L4 2.4L 2389cc 1990...1992

MOTOR

Mitsubishi: M1M72281 | M1T72281 | M1T72281A - Nissan: 2330030R12 | 2330030R13

EQUIVALENTE / Equivalent

Lester: 17161 - Mitsubishi: M191T12671 - Nissan: 2335430R10 - WAI: 548324

**0681****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

APLICAÇÃO / Application / Aplicación

Ford: Escort L4 2.0L 1989cc 122cid Diesel 1984...1987 | Tempo L4 2.0L 1989cc 122cid Diesel 1984...1986 - Lincoln: Continental L6 2.4L 146cid Diesel 1984...1985 | Mark VII L6 2.4L 146cid Diesel 1984...1985 - Mercury: Lynx L4 2.0L 1989cc 122cid Diesel 1984...1987 | Topaz L4 2.0L 1989cc 122cid Diesel 1984...1986

EQUIVALENTE / Equivalent

Ford: SD323 | SD324 | E4FZ11350A | E4LY11350A | E4EF11350AA | E4LF11350AA - Lester: 3193 | 3194 - WAI: 54211

**0684****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

APLICAÇÃO / Application / Aplicación

Ford: 1000 2-77 Shibaura Diesel 1973...1978 | 1500 2cyl Shibaura Diesel 1979...1982 | 1600 2-77 Shibaura Diesel 1976...1979 | 1700 2-78 Shibaura Diesel 1979...1982  
Isuzu: C190M 1976...1991 | Misc. Industrial Equipment 2AB1 | Misc. Industrial Equipment 3AB1 | Misc. Industrial Equipment C-190 - New Holland: 1000 2-77 Shibaura Diesel 1973...1978 | 1500 2cyl Shibaura Diesel 1979...1982 | 1600 2-77 Shibaura Diesel 1976...1979 | 1700 2-78 Shibaura Diesel 1979...1982

MOTOR

Ishikawajima: 185086050 | 185086051 | 185086052 | 185086140 | 185086141 | 185086350 - Isuzu: 5811000571 | 5811000740 - New Holland: SBA185086050 | SBA185086051 | SBA185086052 | SBA185086141 | SBA185086350 - Nissan: 2330079601

EQUIVALENTE / Equivalent

Hitachi: 21309500 | 212015501 - Lester: 17087 | 17090 | 17299 | 17331 | 18064 | 18298 - WAI: 548117

**0686****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

APLICAÇÃO / Application / Aplicación

Bedford: MIDI | Rascal - Effa Motors: Hafei | Towner Junior 2011... - Mitsubishi: Especial/Special

MOTOR

Nippondenso: 280008040 | 280009430 | 1280001290 | 1280001291 | 1280001761 | 1280001860 | 1280003640

EQUIVALENTE / Equivalent

Bedford: 91118533 - Nippondenso: 0283003880 - Suzuki: 3132078310

**0687****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

APLICAÇÃO / Application / Aplicación

Nissan: Pathfinder 3.0 V6 gasolina | Terrano

MOTOR

Hitachi: S114516 | S114528 | S114503A | S114516A | S114528A

EQUIVALENTE / Equivalent

Hitachi: 211435551 - Lester: 16817 | 17196 - WAI: 548135

**0691****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Yanmar:** Engine Marine 1GM10L 1 cil, 19.41ci, 0.318L Diesel | Engine Marine 1GM10VE 1 cil, 19.41ci, 0.318L Diesel | Engine Marine 1GMY 1 cil, 19.41ci, 0.318L Diesel | Engine Marine 2GMFL 2 cil Diesel | Engine Marine 2GMFY(E)-E 2 cil Diesel | Engine Marine 2GML 2 cil Diesel | Engine Marine 2GMYE-EC 2 cil Diesel | Engine Marine 3GMFY 3 cil Diesel | Engine Marine 3GML 3 cil Diesel | Tractor Engine YM1700 2TR17 1975...1990 | Tractor Engine YM2000 2TR20 1975...1990

## MOTOR

**Hitachi:** 5114146 | 5114244 | 5114417

## EQUIVALENTE / Equivalent

**Hitachi:** 211445002 - **Lester:** 16710 | 18216 - **WAI:** 548118**0701****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Nissan:** Sentra | Sunny | Tsuru

## EQUIVALENTE / Equivalent

**Bosch:** 9001042189 - **WAI:** 5491163**0702****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** Golf A2 1987...1992 | Jetta A2 Standard 1987...1992

## EQUIVALENTE / Equivalent

**Bosch:** 9001042299**0703****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** Combi Enfriada por Água 1987...2002

## EQUIVALENTE / Equivalent

**Bosch:** 9001042263**0706****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** Alfa 164TD | Alfa 33TD | Alfa 75TD | Alfa 90TD | Alfetta TD. | Giulietta TD. - **Chrysler:** Voyager 2.5 TD - **Peugeot:** 307 XND, XRD, XRDT | 405D 1.9 Diesel

## MOTOR

**Bosch:** 0001218007 | 0001218023 | 0001218125 | 0001218126

## EQUIVALENTE / Equivalent

**Bosch:** 9003336206 - **Lucas Indiel:** 223854**0709****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** 170 SD y 180 SD Arr. Bosch Caz. Grande - **Yanmar Engine Marine:** Rastrojero com Motor D4M

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 221491**0711****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Nissan:** 100NX 2.0GTI | Almera 2.0 Gti | Primera 2.0 | Sunny 2.0 - **Subaru:** Especial/Special

## MOTOR

**Mitsubishi:** M1T72981 | M1T72985 | M1T74781 | M1T74785 | M1T78881

## EQUIVALENTE / Equivalent

**Hitachi:** 2335453J11 - **Lester:** 17180 | 17246 - **Mitsubishi:** M191T12571 - **Nissan:** 2335453J11 - **WAI:** 548323

**0712****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Ford:** Maverick 2400 1993...1996 - **Infiniti:** QX4 V6 3.3L 3275cc 1997...2000 - **Nissan:** Frontier L4 2.4L 2389cc 1998...2001 | Frontier L4 2.4L 2389cc 146cid 2001 | Pathfinder V6 3.3L 3275cc 1996...2000 | Pick Up D21 2400 1992...1998 | Pick Up L4 2.4L 2389cc 1996...1997 | Terrano II 2.4L 1993...1996 | XTerra L4 2.4L 2389cc 2000...2001

## MOTOR

**Mitsubishi:** M1T60281 | M000T60181 - **Nissan:** 233000W010 | 233000W011 | 233001S770 | 233001S771 | 233001S772 | 233004S100 | 233004S102 | 2330080G10 | 2330086G10 | 2330086G11 | 233001S772R | 233004S102R | 23300F4U010

## EQUIVALENTE / Equivalent

**Lester:** 17425 | 17683 | 17685 - **Mitsubishi:** M191T13471 - **WAI:** 548325

**0713****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Fiat:** 1100T | 125 | 1300 | 1500 | 1800 | 2300 | Coupe | Familiar | Multicarga - **Seat:** 1500

## MOTOR

**Femsa:** MTD121 | MTD12H5 - **Fiat:** 4064058

## EQUIVALENTE / Equivalent

**Bosch:** 9001336205 - **Femsa:** 1066122 - **Fiat:** 4063663 - **Lucas Indiel:** 221832

**0714****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Dodge:** Dodge 1500 1.8 | Pick Up Durango 4x4 - **Volkswagen:** 1500 1.8

## EQUIVALENTE / Equivalent

**Bosch:** 1987BE0048 - **Garef:** 6624100 - **Lucas Indiel:** 221905

**0720****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 174

## APLICAÇÃO / Application / Aplicación

**Rastrojero:** IME reforma AN 115

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 223290

**0723****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

## APLICAÇÃO / Application / Aplicación

**Lister:** Petter

## MOTOR

**Remy:** 10479600

## EQUIVALENTE / Equivalent

**Lester:** 6591 - **Remy:** 10457141 - **WAI:** 548410

**0729****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

## APLICAÇÃO / Application / Aplicación

**Ford:** Escort 1.6 e 2.0 | Escort Hobby | Escort XR3 | Verona - **Volkswagen:** Beetle 2.0 | Golf G3 2.0 Syncro | Golf G4 1.8 | Logus 1993... | Passat Alemão | Polo Classic

## MOTOR

**Bosch:** 0001107003 | 0001107004 | 0001107022 | 0001107023 | 9000081001 | 9000081002

## EQUIVALENTE / Equivalent

**Bosch:** 1006209579 | 1006209917 | 1006210141 | 9001081010 | F000AL1704 - **Cargo:** 135086 | 333235 - **Lester:** 17223 | 17416 - **Lucas:** TNB010 - **Lucas Indiel:** 223121 - **WAI:** 549171

**0731****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

## APLICAÇÃO / Application / Aplicación

**Renault:** R12 | R4 | R6



**0731****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

EQUIVALENTE / Equivalent

Lucas Indiel: 221902 - Tria: 3902

**0737****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Chevy Diesel - Isuzu: Especial/Special Diesel - Massey Ferguson: Especial/Special - Nissan: Frontier 4x4 2000 | Terrano - ZEN: Utiliza Pinhão ZEN 9488

MOTOR

Hitachi: S1362 | S1363 | S1370 | S1382 | S1383 | S13100 | S13115 | S13121 | S1362A | S1362B | S1362C | S1370A | S1382A | S114253 | S114254 | S114255 | S114258 | S114264 | S114265 | S114268 | S114290 | S114296 | S114344 | S114374 | S114429 | S114446 | S114449 | S114453 | S114454 | S114457 | S114458 | S114480 | S114253A | S114253B | S114254A | S114254C | S114254D | S114255A | S114258A | S114258B | S114258C | S114264A | S114268A | S1142900 | S114290A | S114290B | S114296A | S114374B | S114401B | S114403B | S114429A | S114481A | S114374B | S1142584C - Isuzu: 891171630 | 891364001 | 891364480 | 892363470 | 8941155650 | 8941155670 | 8941156670 | 8941171630 | 8941333380 | 8941364480 | 8942168781 | 8942168783 | 8942363470 | 8942363471 | 8942387580 | 8942387581

Nissan: 233005301 | 2330006W61 | 2330017C60 | 2330018C60 | 2330021P00 | 2330022P00 | 23300H5902 | 23300H9100 | 23300H9101 | 23300N5900 | 23300N5902 | 23300N5903 | 23300R2000 | 23300U7500 | 23300U7501 | 23300U7502 | 23300V5300 | 23300V5301 | 23300V5302 | 23300W1000 | 23300W1002 | 23300W7000 | 23300W7001 | 23300Y7000 | 23300Y7001

EQUIVALENTE / Equivalent

Hitachi: 211435006 | 211455506 | 211475008 | 211485008 | 211495008 - Isuzu: 8941155680 | 8942363471 - Lester: 16584 | 16611 | 16811 | 16986 | 16997 | 18312

Nissan: 23312H9100 | 23312M4901 | 23312N5900 | 23312N5903 | 23312V5301 | 23312V5302 - WAI: 548104

**0740****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

Fiat: Duna SD | Regatta 2000 | Spazio D | Uno D

EQUIVALENTE / Equivalent

Lucas Indiel: 227796 | 228135 | 35257798 | 35258135

**0741****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

Ford: Escort - Peugeot: 504 e 505 Motor 2000

EQUIVALENTE / Equivalent

Bosch: 1987BE0049 - Lucas Indiel: 227951 | 228137 | 35257952 | 35258137

**0742****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

Ford: Sierra 1.6 - Volkswagen: Gol Argentino

EQUIVALENTE / Equivalent

Lucas Indiel: 227799 | 228136 | 35257802 | 35258136

**0743****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

Fiat: 128 Super Europa | 147 | 147 Brío, SPR, SPT | Duna 1.3 e 1.5. | Fiorino 1.4 e 1.6. | Regatta 85SC | Spazio | Tipo 1.4 e 1.6 | Uno 1.4 e 1.6 | Vivace

EQUIVALENTE / Equivalent

Lucas Indiel: 227965 | 228138 | 35257963 | 35258138

**0744****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

Fiat: 600

MOTOR

Fiat: 870374

EQUIVALENTE / Equivalent

Bosch: 1987BE0050 - Fiat: 4044451 - Lucas Indiel: 221831

**0745****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

**APLICAÇÃO / Application / Aplicación**

**Audi:** A4 1.6i, 1.8i - **General Motors/Chevrolet:** Astra 1.8i | Astra 2.0i 16v | Astra 2.0 MPFI | Astra Sedan 1.8i | Astra Sedan 2.0i | Astra Sedan 2.0i 16v | Blazer 2.2 EFI | Ipanema 2.0 MPFI | Kadett 2.0 MPFI | Omega 2.0i | Omega 2.2i | Omega 3.0i | S10 2.2 Gasolina | Suprema 2.0, 2.0i, 3.0i. | Vectra 2.0 16v | Vectra GLS 2.0 | Vectra GSI 2.0i 16v | Zafira 2.0 MPFI | Zafira 2.0 SFI 16v - **Peugeot:** 306 1.8i, 1.8i 16V 09/1995... | 405 1.8i 09/1995... - **Renault:** Espace 2.0 16V 10/1998... | Megane 2.0 16V 03/1999... | Scenic RX4 2.0 06/1999... - **Seat:** Cordoba 1.0 | Cordoba 1.4 | Cordoba 1.4 16V | Cordoba 1.6 | Ibiza 16V - **Volkswagen:** Gol GTI 16V

**MOTOR**

**Bosch:** 0001106012 | 0001106017 | 0001106022 | 0001106023 | 0001106024 | 0001107009 | 0001107012 | 0001107013 | 0001107015 | 0001107017 | 0001107018 | 0001107019 | 0001107025 | 0001107026 | 0001107034 | 0001107044 | 0001107045 | 0001107056 | 0001107070 | 9000081004 | F000AL0103 | F005M00024

**EQUIVALENTE / Equivalent**

**Bosch:** 900118103 | 1006209584 | 1006209600 | 1006209686 | 1006209993 | 9001081033 | 9001084038 | F000AL1691 | F000AL1878 - **General Motors/Chevrolet:** 90421771 - **Lucas:** TMB584 - **Lucas Indiel:** 223122 - **WAI:** 5491129

**0747****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Corsa 1.0 e 1.4 - **Renault:** Clio 1.2 e 1.4 | Laguna 1.8 e 2.0 | Megane | R19

**MOTOR**

**Valeo:** D6RA6 | D6RA32 | D6RA33 | D6RA39 | D6RA48 | D6RA59 | D6RA61

**EQUIVALENTE / Equivalent**

**Lucas:** TDB441 - **Lucas Indiel:** 221294 - **Paris Rhone:** 186020 - **Valeo:** NE830 | 185441 | 594108 - **WAI:** 549436

**0750****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

**APLICAÇÃO / Application / Aplicación**

**Chrysler:** Daytona 3.0 | Saragata 3.0 3.0 | Voyager 3.3 V6 1990...1993 - **ZEN:** Utiliza Pinhão ZEN 9307

**MOTOR**

**Nippondenso:** 1280007500 | 1280009380

**EQUIVALENTE / Equivalent**

**Cargo:** 137950 - **Isuzu:** 8943677720 - **Lester:** 17020 | 17197 | 17216 - **Nippondenso:** 283006860 - **WAI:** 548224

**0752****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

**APLICAÇÃO / Application / Aplicación**

**Daewoo:** Lanos 1.3 - 1.5 | Le Mans 1.5 - 1.6 | Nexia 1.5 - 1.6 | Racer - **General Motors/Chevrolet:** Saturno 91 - **Opel:** Astra 1.6 | Corsa 1.6 | Vectra 1.6

**MOTOR**

**Remy:** 9000751 | 9000756 | 9000758 | 21020892 | 21020893 | 21021366 | 21021648

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0051 - **Cargo:** 136342 | 233950 - **Lester:** 6401 | 6432 | 6433 - **Lucas Indiel:** 223333 - **Remy:** 10472809 | 10497257 - **WAI:** 54152

**0753****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

**APLICAÇÃO / Application / Aplicación**

**Ford:** Escort Audi - **Volkswagen:** Apollo | Logus

**EQUIVALENTE / Equivalent**

**Lucas Indiel:** 228229 | 35258229

**0756****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 159 2.2 JTS | Brera 2.2 JTS | Spider 2.2 JTS - **Cadillac:** Escalade 5.7 - **Fiat:** Croma 2.2 16V - **General Motors/Chevrolet:** Blazer 4.3 V6 1996 | Cavalier 2.4 | Malibu 2.4 | S10 4.3 V6 | Safari XT 4.3 V6 | Silverado 6.0 - 8.1 | Suburban 5.7 - 7.4 - 8.1 - **Hyster:** H80XM - **Opel:** Astra G 2.2 16V | Signum 2.0 Turbo - 2.2 | Speedster 2.2 | Vectra 2.2 16V | Vectra C 2.2 16V - 2.2 16V GTS | Zafira A 2.2 16V | Zafira A 2.2 16V - **Pontiac:** Grand AM 2.4 | Grand AM 2.4 | Sunfire 2.4 | Sunfire 2.4 Audi - **Saab:** 42803 1.8 - 2.0 Turbo | 9-3 1.8 Turbo - 2.0 Turbo

**MOTOR**

**Fiat:** 55350543 | 55352105 - **Remy:** 8000321 | 9000786 | 9000796 | 9000798 | 9000804 | 9000806 | 9000819 | 9000820 | 9000821 | 9000822 | 9000834 | 9000835 | 9000850 | 9000851 | 9000853 | 9000860 | 9000965 | 10465167 | 10465293 | 10465309 | 10465386 | 10465554

**0756****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

EQUIVALENTE / Equivalent

**Bosch:** 1987BE0052 - **Cargo:** 138216 - **Lester:** 6449 | 6470 | 6472 | 6480 | 6482 | 6560 | 6561 | 6562 | 6563 - **Remy:** 10465293 | 10475616 | 10475616L - **WAI:** 54155**0762****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 175

APLICAÇÃO / Application / Aplicación

**Ford:** Escort Audi 827 c/ MQ | Verona

EQUIVALENTE / Equivalent

**Lucas Indiel:** 228368 | 228384 | 35258384**0765****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

APLICAÇÃO / Application / Aplicación

**Bedford:** MIDI - **Innocenti:** MINI 3 Cil

EQUIVALENTE / Equivalent

**Lester:** 17152 | 17565 - **Nippondenso:** 283004320 - **WAI:** 548231**0767****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

APLICAÇÃO / Application / Aplicación

**Hummer:** H1

EQUIVALENTE / Equivalent

**Lester:** 6609 - **Prestolite:** DRA3002D - **WAI:** 54501**0768****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

APLICAÇÃO / Application / Aplicación

**Fiat:** 500DT | 500F | 500I | 500R

MOTOR

**Fiat:** 4117351 | 4117464 - **Magneti Marelli:** 63220107 | 63220108 | 63220137

EQUIVALENTE / Equivalent

**Fiat:** 4120550**0769****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

APLICAÇÃO / Application / Aplicación

**Fiat:** 133 | 133L | 600

MOTOR

**Fiat:** 7533231

EQUIVALENTE / Equivalent

**Fiat:** 9939837 - **Lucas Indiel:** 222501**0770****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

APLICAÇÃO / Application / Aplicación

**Daewoo:** Cielo | Espero GM 2000 | Espero CD 2000 | Racer - **General Motors/Chevrolet:** Astra 1.8 | Blazer V6 | Lanos | Nubira | S10 | Vectra CD | Zafira - **Opel:** Vectra CD 2000

MOTOR

**Remy:** 9000794 | 9000846

EQUIVALENTE / Equivalent

**Bosch:** 1987BE0021 - **Lester:** 6445 | 6481 - **Lucas:** TDB974 - **Lucas Indiel:** 223294 - **Remy:** 10451980 | 10475974 - **WAI:** 54157**0771****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

APLICAÇÃO / Application / Aplicación

**Peugeot:** 504 XD2 Diesel 1995... - **Renault:** Pick Up Rodeo 4 cil 2.1 Diesel | R18 4 cil 2.1 Diesel | Trafic 352 4 cil 2.1 Diesel | Trafic T312 4 cil 2.1 Diesel | Trafic TA12 4 cil 2.1 Diesel | Trafic TA52 4 cil 2.1 Diesel

**0771****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**MOTOR****Lucas Indiel:** 35257880**EQUIVALENTE / Equivalent****Lucas Indiel:** 227911 | 35257911**0774****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación**

**Cadillac:** DeVille V8 4.6L 281cid Gasolina 1995...2000 | Eldorado V8 4.6L 281cid Gasolina 1995...2000 | Seville V8 4.6L 281cid Gasolina 1995...2000 - **General Motors/Chevrolet:** 6500 Kodiak GM 7.0L(427) V8 Gasolina 1996 | B7 V8 7.0L 7011cc 427cid 1995...1998 | C4500 Kodiak V8 8.1L 496cid 2003...2006 | C5500 Kodiak V8 8.1L 496cid 2003...2006 | C5500 Kodiak GM 6.0L(366) V8 Gasolina 1996...1998 | C5500 Kodiak GM 7.0L(427) V8 Gasolina 1996...1998 | C5500 Kodiak GM 7.4L(454) V8 Gasolina 1999...2000 | C5500 Kodiak GM 8.1L(496) V8 Gasolina 2001...2002 | C60 GM 6.0L(366) V8 Gasolina 1996...1998 | C60 GM 7.0L(427) V8 Gasolina 1996...1998 | C60 GM 7.4L(454) V8 Gasolina 1999...2000 | C60 GM 8.1L(496) V8 Gasolina 2001...2002 | C60 Kodiak V8 6.0L 366cid 1996 | C60 Kodiak V8 7.0L 7011cc 427cid 1996 | C6500 Kodiak V8 6.0L 366cid 1997...1998 | C6500 Kodiak V8 7.0L 7011cc 427cid 1997...1998 | C6500 Kodiak V8 7.4L 454cid 1999...2000 | C6500 Kodiak V8 8.1L 496cid 2001...2006 | C70 GM 6.0L(366) V8 Gasolina 1996...1998 | C70 GM 7.0L(427) V8 Gasolina 1996...1998 | C70 GM 7.4L(454) V8 Gasolina 1999...2000 | C70 GM 8.1L(496) V8 Gasolina 2001...2002 | C70 Kodiak V8 6.0L 366cid 1996 | C70 Kodiak V8 7.0L 7011cc 427cid 1996 | C7500 Kodiak 8 Cil 7.0L 7011cc 427cid 1996 | C7500 Kodiak V8 6.0L 366cid GM 6.0L(366) V8 Gasolina 1997...1998 | C7500 Kodiak V8 7.0L 7011cc 427cid 1997...1998 | C7500 Kodiak V8 7.4L 454cid 1999...2000 | C7500 Kodiak V8 8.1L 496cid 2001...2006 | C7500 Kodiak GM 6.0L(366) V8 Gasolina 1996 | C7C7500 Kodiak V8 6.0L 366cid 1997...1998 | C80 GM 6.0L(366) V8 Gasolina 1996...1998 | C80 GM 7.0L(427) V8 Gasolina 1996...1998 | C80 GM 7.4L(454) V8 Gasolina 1999...2000 | C80 GM 8.1L(496) V8 Gasolina 2001...2002 | Kodiak C8500 GM 6.0L(366) V8 Gasolina 1996...1998 | Kodiak C8500 GM 7.0L(427) V8 Gasolina 1996...1998 | Kodiak C8500 GM 7.4L(454) V8 Gasolina 1999...2000 | Kodiak C8500 GM 8.1L(496) V8 Gasolina 2001...2006 | T5500 GM 6.0L(366) V8 Gasolina 1996...1998 | T6500 V8 6.0L 366cid 1997...1998 | T7500 V8 6.0L 366cid 1997...1998 - **GMC:** B7 V8 6.0L 366cid 1995...1998 | B7 V8 7.0L 7011cc 427cid 1995...1998 | C4500 Topkick V8 8.1L 496cid 2003...2006 | C5500 Topkick 8 Cil 8.1L 496cid GM 8.1L(496) V8 Gasolina 2002 | C5500 Topkick V8 8.1L 496cid 2003...2006 | C5500 Topkick GM 7.0L(427) V8 Gasolina 1996...1998 | C5500 Topkick GM 7.4L(454) V8 Gasolina 1999...2000 | C5500 Topkick GM 8.1L(496) V8 Gasolina 2001 | C5C5500 Topkick GM 6.0L(366) V8 Gasolina 1996...1998 | C6000 GM 6.0L(366) V8 Gasolina 1996...1998 | C6000 GM 7.0L(427) V8 Gasolina 1996...1998 | C6000 GM 7.4L(454) V8 Gasolina 1999...2000 | C6000 GM 8.1L(496) V8 Gasolina 2001...2002 | C6000 Topkick V8 7.0L 7011cc 427cid 1996 | C6500 Topkick V8 7.0L 7011cc 427cid 1997...1998 | C6500 Topkick V8 8.1L 496cid 2001...2006 | C6500 Topkick GM 7.0L(427) V8 Gasolina 1996 | C7000 GM 7.0L(427) V8 Gasolina 1996...1998 | C7000 GM 8.1L(496) V8 Gasolina 2001...2002 | C7000 Topkick V8 7.0L 7011cc 427cid 1996 | C7500 Topkick V8 6.0L 366cid 1997...1998 | C7500 Topkick V8 7.0L 7011cc 427cid 1997...1998 | C7500 Topkick V8 7.4L 454cid 1999...2000 | C7500 Topkick V8 8.1L 496cid 2001...2006 | C7500 Topkick GM 6.0L(366) V8 Gasolina 1996 | C80 GM 6.0L(366) V8 Gasolina 1996...1998 | C80 GM 7.0L(427) V8 Gasolina 1996...1998 | C80 GM 7.4L(454) V8 Gasolina 1999...2000 | C80 GM 8.1L(496) V8 Gasolina 2001...2002 | T5500 GM 6.0L(366) V8 Gasolina 1996...1998 | T6500 V8 6.0L 366cid 1997...1998 | T7500 V8 6.0L 366cid 1997...1998 | Topkick C8500 GM 6.0L(366) V8 Gasolina 1996...1998 | Topkick C8500 GM 7.0L(427) V8 Gasolina 1996...1998 | Topkick C8500 GM 7.4L(454) V8 Gasolina 1999...2000 | Topkick C8500 GM 8.1L(496) V8 Gasolina 2001...2006 - **Oldsmobile:** Aurora V8 4.0L 244cid 1995...1999

**MOTOR****Remy:** 323489 | CM9805 | 9000805 | 9000812 | 10465294**EQUIVALENTE / Equivalent****Lester:** 6452 | 6471 - **Remy:** 10476642 - **WAI:** 54156**0775****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación****Citroën:** Ax | AX 1.4 diesel | AX Sport | BX14 | BX16 | MOT | XM 2.0i | XU10 - **Peugeot:** 205 | 205GTI | 305 | 307 | 405 | 605 | Rallye - **Renault:** Ônibus**MOTOR****Valeo:** D6RA5 | D6RA6 | D6RA12 | D6RA16 | D6RA18 | D6RA20 | D6RA23 | D6RA26 | D6RA37 | D6RA38 | D6RA41 | D6RA45 | D6RA51 | D6RA57 | D6RA66 | D6RA72**EQUIVALENTE / Equivalent****Citroën:** 96017849 - **Lucas:** TMB281 - **Lucas Indiel:** 223900 - **Paris Rhone:** 182412 | 184448 | 594029 | 594031 - **Valeo:** NE778 | NE784 | 184448 | 594029 | 594031**0779****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación****Fiat:** Fiorino | Palio 1.0 | Palio Weekend 1.5 | Siena | Strada | Tipo 1.6 | Uno**MOTOR**

**Fiat:** 7772459 | 7772462 | 7785949 | 7796598 | 46417006 | 46429594 | 46465475 - **Magneti Marelli:** 7733966 | 7772459 | 7772462 | 7785949 | 46414994 | 46415504 | 46417006 | 46429594 | 46465475 | 63101000 | 63101002 | 63102003 | 63102004 | 63102007 | 63102008 | 63103002 | 63103003 | 63201008 | 63222889 | 63222900 | 63222901 | 63222905 | 63222908 | 63222909 | 63222936 | 63223035 | 63223085 | 63223101 | 63223108 | 63223109 | 63223200 | 63223303 | 631101002

**EQUIVALENTE / Equivalent****Bosch:** 1987BE0124 - **Fiat:** 9945556 - **Lucas:** TMB009 - **Lucas Indiel:** 223307 - **WAI:** 549310

**0783****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación**

**Buick:** Century 4 cil 2.2L | Regal V6 3.1 - **General Motors/Chevrolet:** Cavalier 4 cil 1996 | Lumina V6 3.1 lts e 4.0 lts | Minivan 3.4 lts | Monte Carlo V6 3.1 lts | MPV V6 3.4 lts - **Hyster:** Empilhadeira H55XM GM 2.2 - **Jeep:** Cherokee

**MOTOR**

**Remy:** 2058 | 1358859 | 10455069 | 10455081

**EQUIVALENTE / Equivalent**

**Lester:** 6473 | 6474 | 6483 - **Remy:** 10487536 - **WAI:** 54166 | 54167

**0785****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación**

**Isuzu:** Engines Industrial Misc. Equipment 3AE1 - **Yanmar:** Engine Marine 3HM 3 cil Diesel 1980...1984 | Engine Marine 3HM35 3 cil Diesel 1982...1992 | Engine Marine 3HMF 3 cil Diesel 1980...1984 | Engine Marine 4JH 4 cil Diesel 1982...1990 | Engine Marine 4JH-DTE 4 cil Diesel 1982...1990 | Engine Marine 4JH-HT 4 cil Diesel 1982...1990 | Engine Marine 4JH-HT-Z 4 cil Diesel 1982...1990 | Engine Marine 4JH-T 4 cil Diesel 1982...1990 | Engine Marine 4JH-TE 4 cil Diesel 1982...1990 | Engine Marine 4JH-TZ 4 cil Diesel 1982...1990 | Engine Marine 4JHE 4 cil Diesel 1982...1990 | Engine Marine 4JHZ 4 cil Diesel 1982...1990 | Engine Marine KBW-20 0000 | Engine Marine KBW-21 0000 | Engines Industrial 3D84-1C 1983...2004 | Engines Industrial 3T90L 1976...1982 | Tractor YM2210 2T90 Engine 1982...1990 | Tractor YM2610 3T80D Engine 1982...1990 | Tractor YM3000 3T84 Engine 1982...1990

**MOTOR**

**Hitachi:** 51279 | 51337 | 51341 | 51277A | 51341A

**EQUIVALENTE / Equivalent**

**Hitachi:** 213065002 - **Lester:** 18204 | 18208 | 18295 - **WAI:** 548127 | 548146

**0786****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación**

**Fiat:** 500 (Cinquecento) 704, 903 | Palio 1.5 | Panda Fire 750 1.0 | Strada | Tempra | Tipo 1.1, 1.4, 1.6, 2.0 | Uno Fire 45 - **Kia:** Besta 1000cc - **Lancia:** Dedra I.E 1.6  
**Renault:** R12 | Trafic Gasolina 1995 - **Seat:** Ibiza | Malaga | Ronda

**MOTOR**

**Magneti Marelli:** 63221800 | 63221830 | 63221832 | 63221834 | 63221890 | 63221892 | 63222831 | 63222832 | 63222833 | 63222836 | 63222837 | 63222838 | 63222897 | 63223001 | 63223031 | 63223032 | 63223033 | 63223034

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0053 - **Fiat:** 9939915 | 9940577 | 9941300 | 9941306 - **Lucas:** TMM901 - **Lucas Indiel:** 223124 - **WAI:** 549311

**0787****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Saxo 1.0 / 1.4 | Xantia 1.6 / 1.8i / 2.0i 16V | XM 2.0i | Xsara 1.8 / 2.0 16V | ZX 1.0 / 1.4 / 1.6 / 1.8 / 2.0 16V - **JPX:** Jeep XUD9A - **Peugeot:** 106 1.0 | 205 | 206 | 306 1.6 / 1.8 / 2.0 / 2.0 16V | 405 1.6 / 1.8 / 1.9 / 2.0 | 406 1.6 / 1.8 / 2.0 16V - **Renault:** Espace | Laguna 16V | Master | Safrane V6 | Trafic Gasolina - **Volvo:** S40

**MOTOR**

**Valeo:** D6RA53 | D6RA63 | D6RA141 | D6RA511 | D6RA571 | D6RA572 | D6RA661 | D6RA721

**EQUIVALENTE / Equivalent**

**Lester:** 17667 - **Lucas Indiel:** 221293 - **Valeo:** NE875 | 186867 | 186938 | 187960 | 188887 | 594214 - **WAI:** 549434

**0790****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

**APLICAÇÃO / Application / Aplicación**

**Nissan:** CD 17 | CD 20 | Cherry | Forklift | Patrol 3.3 D | Stanza | Sunny 1.7 D | Vanette D - **ZEN:** Utiliza Pinhão ZEN 9527

**MOTOR**

**Hitachi:** S1347 | S1350 | S1356 | S1365 | S1369 | S1381 | S13102 | S13104 | S1347A | S1350A | S1356A | S1366A | S114357 | S13105A | S13666A | S114357A | S114357B | S114357C | S114395A | S114935A | S1143557A - **Nissan:** 23300 | 233000 | 2330000 | 233000500 | 233000703 | 23300V700 | 2330006W61 | 2330010G02 | 2330011M00 | 2330011M02 | 2330011MOO | 2330011N00 | 2330038W00 | 2330054A01 | 2330083W00 | 23300V0700 | 23300V0702 | 23300V0703 | 23300V0705 | 23300V0706 | 23300V7260 | 23300V0703 | 23300W2500 | 23300W2804 | 23300054A01 | 23300100G02 | 23300V07702 - **Porsche:** S1350 | S1369 | S1347A | 2330000 | 23300W2804

**EQUIVALENTE / Equivalent**

**Cargo:** 135091 - **Hitachi:** 21301502 | 211415507 | 211485501 | 213065001 | 213075004 - **Lester:** 16733 | 16809 | 18053 | 18054 | 18061 - **Nissan:** 2354V0700 | 2331210G00 | 2331211M00 | 23354V0700 - **Porsche:** 21301502 | 213065001 | 213075004 | 2331211M00 | 23354V0700 - **WAI:** 548133

**0791****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

## APLICAÇÃO / Application / Aplicación

Nissan: 200SX L4 | 310 | Stanza - ZEN: Utiliza Pinhão ZEN 9528

## MOTOR

Hitachi: S114252 | S114322 | S114393 | S114252A | S114252C | S114252E | S114252F | S114322A | S114403B - Nissan: 23300000 | 233000000 | 2330005P01 | 23300D0300 | 23300D0301 | 23300M4900 | 23300M4901 | 23300M4903 | 23300M4904

## EQUIVALENTE / Equivalent

Hitachi: 211435507 - Lester: 16694 | 16803 | 16982 - Nissan: 23312M4902 - WAI: 548132

**0793****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 176

## APLICAÇÃO / Application / Aplicación

Nissan: E16 | NX 1600 | NX 2000 | Pulsar 1.6 | Sentra 1.6

## MOTOR

Hitachi: 51389 | 51384B | 5114440 | 5114486 | 5114475A - Nissan: 2330036A00

## EQUIVALENTE / Equivalent

Lester: 16816 | 17178 - Nissan: 2331236A00 - WAI: 548138

**0794****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Ford: F1000 4.9l. Gasolina

## MOTOR

Bosch: 0001110033

## EQUIVALENTE / Equivalent

Bosch: 1006209551 - WAI: 549180

**0797****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Seat: Especial/Special - Volkswagen: Polo

## MOTOR

Bosch: 0001109001 | 0001109002 | 0001109006

## EQUIVALENTE / Equivalent

Bosch: 1006209580 - Lucas Indiel: 223918

**0798****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Ford: Escort Audi - Porsche: 924 | 944

## MOTOR

Bosch: 0001108021 | 0001108147

## EQUIVALENTE / Equivalent

Bosch: 1006209535 - Cargo: 136723 - Lester: 17023 - Lucas Indiel: 223919 - WAI: 549163

**0799****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Fiat: Tipo 1.8 i.e. | Tipo 2.0 i.e. | Tipo 2.0 i.e. 16V - Seat: Cordoba 1.6 | Cordoba 1.8 | Cordoba 1.8 16V | Cordoba 2.0 - Volkswagen: Golf 1.8 | Golf G2 1.8 | Golf G3 1.8 | Golf GTI 2.0 | Passat Alemão

## MOTOR

Bosch: 0001107007 | 0001107008 | 0001107020 | 0001107021 | 0001107052 | 6004AA0021

## EQUIVALENTE / Equivalent

Bosch: 1006209585 | 1006209679 | 1006209916 | F000AL2012 - Lester: 17222 | 17415 - Lucas: TMB585 - Lucas Indiel: 223125 - WAI: 549167

**0800****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Citröen: BX17 Diesel | BX19 Diesel | Visa 17 Diesel - Peugeot: 205 | 305 1.9D 09/1997... | 306 1.9D 09/1997... | 309 1.9D 09/1997... | 405 Diesel

## MOTOR

Bosch: 0001110017 | 0001110999 | F010AL0101

## EQUIVALENTE / Equivalent

Bosch: 1006209541 - Lucas Indiel: 223920

**0801****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Chrysler: Jeep Cherokee

## MOTOR

Chrysler: 56004934 - Mitsubishi: M1T76081

## EQUIVALENTE / Equivalent

Lester: 17467 - Lucas Indiel: 220401 - Mitsubishi: M191T14271 | M191T76081 - WAI: 548336

**0803****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Saab: 1108075 | 42803 L4 2.0L 1985cc 1999 | 42803 L4 2.3L 2290cc 140cid 1999 | 900 L4 2.1L 2119cc 1991...1994 | 900 L4 2.3L 2290cc 140cid 1994...1998 | 900 L4 2.0L 1985cc 1985...1993/1994...1998 | 9000 L4 2.0L 1985cc 1986...1990 | 9000 L4 2.3L 2290cc 1991...1993/1994...1998 | 9000 L4 2.3L 2290cc 140cid 1990...1993 | 9000 L4 2.3L 2290cc 140cid 1990...1993/1994

## MOTOR

Bosch: 0001108075 | 0001108091 | 0001108092 | 0001108151 | 0001108154

## EQUIVALENTE / Equivalent

Bosch: 1006209564 - Lester: 17013 | 17276 | 17670 - WAI: 549165

**0805****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Lada: Samara

## MOTOR

Bosch: 0001108099

## EQUIVALENTE / Equivalent

Bosch: 1006209578 | 1006209923 - Lucas Indiel: 223296

**0806****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Buick: Enclave V6 3.6L 217cid 2008...2011 | Enclave V6 3.6L 3564cc 217cid 2011 | LaCrosse V6 3.0L 182cid 2010 | LaCrosse V6 3.6L 217cid 2010...2011 | LaCrosse V6 3.6L 3564cc 217cid 2010...2011 - Cadillac: SRX V6 3.0L 182cid 2010...2011 | STS V6 3.6L 217cid 2007 - Citroën: C4 Pallas - Fiat: 500 - General Motors/Chevrolet: Acadia V6 3.6L 217cid 2007...2011 | Acadia V6 3.6L 3564cc 217cid 2011 | Captiva 3.6 | Equinox V6 3.0L 182cid 2010...2011 | Equinox V6 3.6L 217cid 2008...2009 | Malibu V6 3.6L 217cid 2008...2011 | Malibu V6 3.6L 3564cc 217cid 2011 | Terrain V6 3.0L 182cid 2010...2011 | Traverse V6 3.6L 217cid 2009...2011 - JPX: Jeep - Peugeot: 405D - Pontiac: G6 V6 3.6L 217cid 2007...2009 | Torrent V6 3.6L 217cid 2008...2009 - Saturn: Saturn CarAura V6 3.6L 217cid 2007...2009 | Saturn TruckOutlook V6 3.6L 217cid 2007...2010 | Vue V6 3.6L 217cid 2008...2010 - Suzuki: XL7 V6 3.6L 3564cc 2007...2009 - Willys: Pick Up 1994...

## MOTOR

Fiat: 53100008 | 68073160AA - Mitsubishi: MOT36571 | MOT82081 | MOT86181 | MOT93391 | M1T80081 | M1T85781 | M1T90281 | M08T87881 | M000T36571 | M000T33871ZC | M000T33871ZT | M000T82081ZE

## EQUIVALENTE / Equivalent

Lucas Indiel: 223297 - Mitsubishi: M191T13671 | M191T14671 | M191T18271 - WAI: 548351 | 548352

**0808****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

## APLICAÇÃO / Application / Aplicación

Daihatsu: Terios - Suzuki: Jimmy | Swift 1.3

**0808****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

EQUIVALENTE / Equivalent

Denso: 283006710 - Lester: 17142 - Lucas Indiel: 223926 - Nippondenso: 283006680 - WAI: 548234

**0809****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

APLICAÇÃO / Application / Aplicación

Daihatsu: Charmant 1300 - Honda: Civic - Toyota: 4A - 5A - 4E - 5E | Carina II 1.6 | Celica 1.6 GT 16V | Corolla 1.3 | Corolla 1.6 | Corolla 1.6 Gti 16V | Coupe 1.6 GT16V | Etios 2011... | Lite-Ace 1.5 | MR-2 1.6 GT | Paseo | Starlet 1.0 / 1.2 / 1.3 | Tercel | Twin Cam 1.6 GT16V | Yares

MOTOR

Denso: 4380000590 - Honda: 31200PLRA52 - Lucas Indiel: LRS2163 - Nippondenso: 1280005210 | 1280005211 | 1280005680 | 1280006340 | 1280006720 | 1280008530 | 1280008531 | 1280008890 | 1280008891 | 1280009290 | 1280009291 | 2280009652 | 4280000320 | 4280000321 | 4280001590 - Toyota: 281000Y070

EQUIVALENTE / Equivalent

Lester: 17203 | 17252 | 17253 - Lucas Indiel: 223927 - Nippondenso: 0283006070 | 0283006960 - Toyota: 6070 | 2801170020 - WAI: 548232

**0815****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

APLICAÇÃO / Application / Aplicación

Honda: Accord 1.8 - 2.0 | Aerodeck | Prelude 2.0

EQUIVALENTE / Equivalent

Cargo: 134284 - Lester: 16845 | 16901 | 16902 | 16914 | 16960 | 16975 | 17160 | 17201 | 17205 | 17474 | 17491 | 17527 - Mitsuba: 31204PD1003 - WAI: 548500

**0817****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

APLICAÇÃO / Application / Aplicación

Chrysler: Caravan 1992...1997 | Concorde 1993...1997 | Dodge Eagle Vision Intrepid 1993...1997 | Dodge Fifth Avenue 1993 | Dynanty 1990...1993 | Imperial | New Yorker | Town 1992...1997 - ZEN: Utiliza Pinhão ZEN 9492

EQUIVALENTE / Equivalent

Lester: 17460 | 17465 - Nippondenso: 283007720 - WAI: 548226

**0818****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

APLICAÇÃO / Application / Aplicación

Especial/Special: Motocicletas - Ford: Ranger 2.5 D - Honda: Accord | Civic - Jaguar: HJ 12 6.0 | XJS 5.3 V12 | XJS 6.0 - Land Rover: Freelander 2.0 TD4 - Lexus: LS 400 - Toyota: Corolla | Land Cruiser 4.7 | Tacoma - Yale: Empilhadeira - ZEN: Utiliza Pinhão ZEN 9186

MOTOR

Nippon: 2280000990 | 2280000991 | 2280001060 | 2280001530 | 2280001531 | 2280004570 | 2280006482 | 2280007800 | 2280007801 - Nippondenso: 1280008210 | 1280009190 | 1280009191 | 1280009300 | 1280009310 | 1280009380 | 1280009520 | 1280009700 | 2280000340 | 2280001160 | 2280007390 | 2280007391 | 2280007392

Toyota: 2810016270 | 2810046100 | 2810046120 | 2810046140 | 2810049090 | 2810075050 | 2810076060 | 2810076070

EQUIVALENTE / Equivalent

Cargo: 137753 - Nippon: 0283007940 - Nippondenso: 0283006990 | 0283007170 | 0283007990 - Toyota: 2801176070 - WAI: 548235

**0820****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

APLICAÇÃO / Application / Aplicación

Ford: Escort Diesel

MOTOR

Lucas Indiel: 26921 | 26925 | 26903A | 26913A | 26935B | 26929A/B | 26931A/B

EQUIVALENTE / Equivalent

Lucas: TMB182 | 54291735

**0821****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

APLICAÇÃO / Application / Aplicación

Ford: Mondeo - Rover: 216

MOTOR

Lucas Indiel: 26708 | 26816 | 26823 | 26824 | 26716B | 26809A | 26810A | 26707A/L | 26713A/D | 26804A/E



**0821****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 177

EQUIVALENTE / Equivalent

Lucas: TMB171 | 54290840

**0822****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Austin: Maestro 2.0 - Rover: 111, 114, 214, 820 | Maestro 1.3, 1.6, 2.0, 2.0 Turbo | Metro 1.0, 1.1, 1.3 | Mini Cooper 1.3 | Montego 2.0 Turbo | TNB176

MOTOR

Lucas Indiel: M79 | 26702 | 26717A | 26811A | 26702E/K | 26812A/D

EQUIVALENTE / Equivalent

Lucas: TMB174 | 54292929

**0823****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Ford: Mondeo 95 CLX 16 V

MOTOR

Lucas Indiel: M79 | 26628 | 26689 | 26695 | 26605A | 26620A | 26628A | 26678B | 26679B | 26680B | 26681B | 26600E/F | 26601E/F | 26609F/J | 26613E/H | 26616A/B | 26619A/D | 26621A/B | 26624A/D | 26626A/B | 26654B/D - Magneti Marelli: 63227004 | 63227005 | 63227006 | 63227007 | 63227008 | 63227009 | 63227010 | 63227014 | 63227016 | 63227017 | 63227028 | 63227038

EQUIVALENTE / Equivalent

Lucas: TMB167 | 54291911 - Lucas Indiel: 221167

**0825****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Chrysler: Jeep Cherokee

MOTOR

Chrysler: 56041014 - Mitsubishi: M001T79482 | M001T74281ZC | M001T74287ZC

EQUIVALENTE / Equivalent

Lester: 17461 | 17559 | 17561 - Lucas Indiel: 220402 - Mitsubishi: M191T14371 - WAI: 548335

**0828****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Nissan: NX 4 cil. 2.0L 1998cc 1991...1993 | Sentra 4 cil. 2.0L 1998cc 1991...1994

EQUIVALENTE / Equivalent

Cargo: 137413 - Hitachi: 211475014 - Lester: 17246 - WAI: 548142

**0830****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Daihatsu: Feroza 4x4 - Toyota: Yares

EQUIVALENTE / Equivalent

Lester: 16879 - Nippondenso: 283005820 - WAI: 548233

**0831****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Datsun: Especial/Special - Nissan: Especial/Special - Skoda: Especial/Special

EQUIVALENTE / Equivalent

Pal: 443937150171 - Skoda: 115904030

**0832****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

## APLICAÇÃO / Application / Aplicación

**Honda:** Civic 1300 L4 1.3 Gas. 1987 | Civic 1300 STD L4 1.3 Gas. 1984...1986 | Civic DX L4 1.3 Gas. 1984 | Civic DX L4 1.3 Gas. 1985 | Civic DX L4 1.3 Gas. 1986 | Civic DX L4 1.3 Gas. 1987 | CRX 1300 L4 1.3 Gas. 1984 | CRX 1500 HF L4 1.5 Gas. 1985...1989 | CRX 1500 L4 1.5 Gas. 1984...1987 | CRX 1500 SI L4 1.5 Gas. 1985...1987 | CRX DX L4 1.5 Gas. 1988...1990 | CRX HF L4 1.5 Gas. 1991 - **Rover:** 213

## MOTOR

**Hitachi:** S114385 | S114387 | S114396 | S114412 | S114396D | 5811001921 | 5811002150 - **Honda:** 31200PE0015 - **Isuzu:** 5811001920 | 5811002150

## EQUIVALENTE / Equivalent

**Hitachi:** 211415508 - **Honda:** 31207PE0005 - **Isuzu:** 5811230360 - **Lester:** 16843 | 18056 | 18322 - **WAI:** 548140

**0836****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

## APLICAÇÃO / Application / Aplicación

**Peugeot:** 106 | 206 - **Renault:** Clio

## MOTOR

**Mitsubishi:** M2T48381 | M3T32985

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 229988 - **Mitsubishi:** M191T22471

**0837****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

## APLICAÇÃO / Application / Aplicación

**Fiat:** Doblo | Palio 1.0 8V e 16V | Palio 1.3 MPI 16V | Palio Fire | Palio Weekend 1.0 8V e 16V | Palio Weekend 1.3 MPI 16V | Siena 1.0 MPI 16V | Siena 1.3 MPI 16V | Strada 1.0 8V | Strada 1.3 16V | Uno Mille Fire - **General Motors/Chevrolet:** Celta 2001...2009 | Corsa 1.0, 1.4, 1.6 EFI. | Prisma 2007...2009 | Tigra 1998...2000 - **Renault:** Clio 1.6i 07/1996... | R19 1.6i 07/1996...

## MOTOR

**Bosch:** 9000081003 | F000AL0304 | F000AL0309 | F000AL0310 | F000AL0314

## EQUIVALENTE / Equivalent

**Bosch:** 9001081022 | F000AL1040 | F000AL1238 | F000AL1679 | F000AL1680 | F000AL1692 - **General Motors/Chevrolet:** 93240221 - **Lucas:** TMB022 - **Lucas Indiel:** 223126

**0841****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

## APLICAÇÃO / Application / Aplicación

**Toyota:** 4K - 5K | Corolla 1.3 | Hiace | Liteace 1.5

## MOTOR

**Nippondenso:** 185086440 | 1280007740

## EQUIVALENTE / Equivalent

**Nippondenso:** 0283005400 | 2801113060 - **WAI:** 548245

**0843****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Celta 1.0 | Corsa - **Renault:** Clio | Clio 1.6 | Kangoo 1.6 | Laguna 1.8 e 2.0 | Laguna Nevada 1.6 | Megane 1.6 | R11 1.6 | R12 1.6 | R19 1.6 | R9 1.6 e 1.7 | Scenic 1.6

## MOTOR

**Valeo:** D7E4 | D7E6 | D7E8 | BD7R1 | D7E15 | D7E17 | D7E18 | BD7E17 | 93264950

## EQUIVALENTE / Equivalent

**Valeo:** NE971 | 180205 | 182848 | 187788 | 190205 | 230205 | 300305 | 494829 | 594345 - **WAI:** 549437

**0844****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** LT TD - **Volvo:** 240 D | 740 TD | 940 TD - **ZEN:** Utiliza Pinhão ZEN 9566

## MOTOR

**Hitachi:** S1391

**0844****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

EQUIVALENTE / Equivalent

Cargos: 133437 - Hitachi: 213035004 - Lester: 17138 - WAI: 548141

**0846****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Citröen: Berlingo | Congo | Xantia - Fiat: Palio 1.0 MPI 8V | Palio Argentino 1.6 | Palio Weekend 1.0 | Palio Weekend 1.5 | Siena 1.0 | Siena 1.5 | Stilo JTD 1.9 | Strada 1.5 | Uno Mille Eletronic | Uno SX 1996 - Peugeot: 205 | 306 | 405 | 406

MOTOR

Bosch: 9000081009 | F000AL0300 | F000AL0305 | F010AL0301

EQUIVALENTE / Equivalent

Bosch: 9001081066 | F000AL1023 - Lucas: TMB066 - Lucas Indiel: 223127

**0851****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Volkswagen: TL 2.4 diesel

MOTOR

Bosch: 0001218116

EQUIVALENTE / Equivalent

Bosch: 9002336204 - Cargo: 135116 - Lucas: TMB475

**0852****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Chrysler: Neon | Stratus

MOTOR

Bosch: 0001107031 | 0001107032 | 0001107049 | 6004AA0018 | 9007045018 | 9007045020

EQUIVALENTE / Equivalent

Bosch: 1006209613 - Lester: 17560 | 17563 - Lucas Indiel: 223960 - WAI: 549160

**0853****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 178

APLICAÇÃO / Application / Aplicación

Nissan: 310 L4 1.4L 1393cc 85cid 1979...1980 | 310 L4 1.5L 1488cc 1981 | A12, A15 | F10 L4 1.4L 1393cc 85cid 1976...1978 | Fork Lifts

MOTOR

Mitsubishi: M2T20181 | M2T20181D - Nissan: 23300H5014

EQUIVALENTE / Equivalent

Lester: 16579 - Mitsubishi: M191T22571 - Nissan: 23354T5000 - WAI: 548329

**0854****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Asia Motors: Towner Daewoo - Renault: Twingo

MOTOR

Remy: 10455505

EQUIVALENTE / Equivalent

Lucas: TMB008 - Remy: 10475958

**0855****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Fiat: Palio 1.6 16 V | Palio Weekend 1.6 16V | Siena | Tempra 2.0 8V | Tempra 2.0 MPI 16V | Tempra 2.0 SPI 8V | Tempra 2.0 Turbo MPI 8V | Uno - ZEN: Planetária ZEN 12689

MOTOR

Bosch: 9000081005 | 9000081008 | 9000084005 | F000AL0100

**0855****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

EQUIVALENTE / Equivalent

**Bosch:** 9001081042 | F000AL1693 - **Lucas:** TMB042 - **Lucas Indiel:** 223305**0857****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

**Fiat:** Regata 1.7 diesel | Ritmo Diesel - **Mercedes Benz:** 190 | 190E | 200 | 230 | 250 | 280 | L410 | O309 - **Peugeot:** 305 Diesel - **Volkswagen:** LT28 | LT31 | LT35 | LT40 | LT45 | LT50

MOTOR

**Bosch:** 0001211146 | 0001314026 | 0001314027 | 0001314028 | 0001314029 | 0001314030 | 0001314033 | 0001314034 | 0001314035 | 0001314036 | 0001314037 | 0001314038 | 0001316004 - **Fiat:** 4392461 | 5997307 | 5997309

EQUIVALENTE / Equivalent

**Bosch:** 1006209469 | 1006209470 | 1006209473 - **Fiat:** 9936671 - **Lester:** 16543 | 16954 | 17043 - **WAI:** 549147**0860****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

**Volkswagen:** Parati | Pointer Audi 827 - 1.8 e 2.0 | Polo Classic 2.0

MOTOR

**Lucas Indiel:** 35258270 | 35258640 | 35259060

EQUIVALENTE / Equivalent

**Lucas Indiel:** 228396 | 35258396**0861****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

**Ford:** F100 | F1000 Maxion TN1 HSD Diesel 1997 | F150 | Ranger | Transit - **General Motors/Chevrolet:** Blazer 2.5 Diesel | S10 Diesel - **Land Rover:** Land Rover Defender 2.5 Diesel Gemini TCI D.I. 23L | Land Rover Defender 2.5 Turbo 1990...2001 | Land Rover Diesel Maxion H54TCC 1998... | Land Rover Discovery 2.5 TDi 12L, 21L 1989...1994 | Land Rover Discovery 2.5 Tdi 16L 1993...1998 | Range Rover I 2.5 TDi Classic 14L 1992...1994 | Range Rover I 2.5 TDi Classic 300 Tdi 1994...1996**Mercedes Benz:** Sprinter - **Perkins:** Maxion - HSD (Maxion High Speed)

MOTOR

**Bosch:** 0001218168 | 9000331432 | 9000331433

EQUIVALENTE / Equivalent

**Bosch:** 9002336226 | 9003336227 | F000AL1872 - **Lucas Indiel:** 223965 - **WAI:** 5491151**0863****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

**Nissan:** Primera 1.6

MOTOR

**Lucas Indiel:** 26667 | 27022 | 27047 - **Magneti Marelli:** 63227022 | 63227043 | 63227046 | 63227047 | 63227051 | 63227577 - **Nissan:** 2330070J00

EQUIVALENTE / Equivalent

**Lucas:** TMB196 | 54292464 - **Nissan:** 2331290J00**0866****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

**Volkswagen:** Gol 1.6 D | Gol G2 1.8 Mi | Gol G2 2.0 Mi | Gol G2 2.0i | Gol G3 | Parati | Quantum Mi 1.8, 2.0 | Santana Mi 1996 | Saveiro | Senda - **ZEN:** Utiliza Planetária 12681

MOTOR

**Bosch:** 9000081006 | 9000081007 | F010AL0103

EQUIVALENTE / Equivalent

**Bosch:** 9001081052 | F000AL1705 - **Lucas:** TMB052 - **Lucas Indiel:** 223128 - **WAI:** 5491109

**0868****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Peugeot: 504 XT2 Diesel | 505 XT2 Diesel

MOTOR

Lucas Indiel: 35257700

EQUIVALENTE / Equivalent

Bosch: 1987BE0054 - Lucas Indiel: 35257824

**0871****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Mazda: 323 1.3 e 1.5 8T - Suzuki: Vitara 1.6 - Toyota: 1300

MOTOR

Bosch: 0001112032 | 9000333121

EQUIVALENTE / Equivalent

Bosch: 9001336240 | 9001690057 | 9001690067 | F000AL1440 | F000AL1697 - Cargo: 135985

**0874****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Mazda: 323 | B1600 | B2200 - Toyota: Corolla 1.3 e 1.6 8T

EQUIVALENTE / Equivalent

Bosch: 9001692097

**0875****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Alfa Romeo 14AR 6 Turbo - Fiat: Argenta 2.5 | Croma 2.5 Turbo - Fiat Iveco: Daily Turbo 09.09 Diesel | Daily Turbo 35.10 Diesel | Daily Turbo 49.10 Diesel | Ducato 14 | Ducato 14 4X4 | Ducato 18 | Ducato 18 Maxi - Lancia: Thema Turbo Diesel - Land Rover: Defender 2.5D - TD | Discovery 2.5 TDI | Range Rover 2.5 TDI

Renault: Master, P35, T35 Diesel | Trafic diesel

MOTOR

Bosch: 0001217174 | 0001218014 | 0001218019 | 0001218024 | 0001218101 | 0001218102 | 0001218103 | 0001218152 | 0001218159 | 0001218174 | 0001218774

Iveco: 99451753

EQUIVALENTE / Equivalent

Bosch: 9002336218 | 9002336283 | 9003336283 | 9009996289 | F000AL1881 - Cargo: 137171 - Fiat: 9939710 - Iveco: 42531397 - Lucas Indiel: 223976 - WAI: 5491133

**0878****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Fiat: Tempra SW | Tipo 2.0

MOTOR

Magnetit Marelli: 63223430 | 63223431 | 63223432 | 63223436 | 63223530 | 63223531 | 63223532

EQUIVALENTE / Equivalent

Fiat: 9941846 - WAI: 549317

**0890****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Ford: Courier | Fiesta | Ka

EQUIVALENTE / Equivalent

Facet: 10671 - Ford: F8BU11350AA - Lucas: TMM990 - Lucas Indiel: 222514 - Ww: 10671

**0892****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Lada: 2110 - Skoda: Felicia

**0892****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

EQUIVALENTE / Equivalent

Magnetron: 443937150860 - Skoda: 1722

**0895****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Komatsu: PC75U Motor 4D95 1991...1994 | PC80 Motor 4D95 1988...1997 | PC90 Motor 4D95 1991...1994

MOTOR

Isuzu: 8942554392 | 8943634280 | 8944467700 - Komatsu: 6008133111 | 6008133121 | 6008133122 | 6008133130 | 6008133170 | 6008133171 | 6008134000 | 6008134190 | 6008134380 | 6008134410 | 6008134411 | 6008314411 - Nikko: 230000031 | 230000032 | 230000042 | 230000060 | 230000063 | 230000240 | 230000332 | 230000450

EQUIVALENTE / Equivalent

Nikko: 0235000350 | 0235000353 - WAI: 548414

**0900****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 179

APLICAÇÃO / Application / Aplicación

Ford: Galaxy 2.8 - Volkswagen: Corrado 2.9 | Golf 1.8 | Golf III 2.9 Syncro | Passat 1.6, 2.0 | Passat 2.9 Syncro | Sharan 2.8 | Variant 2.9 Syncro | Vento 2.8

MOTOR

Bosch: 0001107005 | 0001107006 | 0001108059 | 0001108060 | 0001108076 | 0001108077 | 0001108096 | 0001108097 | 0001110069 | 0001110070 | 0001110086 | 0001110087 | 0001110118 | 0001110119 | 0001112010 | 0001112011 | 0001114009 | 0001114010

EQUIVALENTE / Equivalent

Bosch: 1006209295 | 1006209553 | 1006209558 | 1006209565 | 1006209583 | 1006209591 | 1006209594 | 1006209910 | 1006209911 | 1006209922 | 2006209594  
Lester: 17223 | 17417 - Lucas Indiel: 224000 - Volkswagen: 0219113355 - WAI: 549172**0901****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Nissan: Cabstar 3.3 Diesel | Forklift Diesel

MOTOR

Hitachi: S25156 | S25160 | S25162 | S25110G | S25110L | S25125A | S25125B | S25158A | S25158B - Nissan: 2330006J02 | 2330006J04 | 23300C8601 | 23300Z5505 | 23300Z5509 | 23300Z5512

EQUIVALENTE / Equivalent

Bosch: 1987BE0055 - Hitachi: 22708500 | 225025003 | 225025004 | 225045004 | 225085005 - Nissan: 23312T9000 | 23312T9003 | 23314Z9002 - WAI: 548130

**0905****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Jeep: Cherokee

EQUIVALENTE / Equivalent

Bosch: 1987BE0022

**0908****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Ford: Courier - Mazda: 323 | 626SL | SLX

EQUIVALENTE / Equivalent

Lucas: 66241583

**0915****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Grand Blazer 4.1 | Silverado 6 cil a gasolina 12V - Peugeot: 205 XU7 4 cil 1.6 | 205 XUD9 4 cil 1.9 Diesel | 306 XU7 4 cil 1.6 | 306 XUD9 4 cil 1.9 Diesel | 405 XU7 4 cil 1.6 | 405 XUD9 4 cil 1.9 Diesel | 405 FRI | Boxer XUD9 4 cil 1.9 Diesel | Partner XU7 4 cil 1.6

MOTOR

Lucas Indiel: 35258370 | 35258430 | 35258730

**0915****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

EQUIVALENTE / Equivalent

Lucas Indiel: 220198 | 35260198 | 35260202

**0916****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Ford: F1000 Maxion HSD 1997 | Ranger International 3.0 Diesel | Ranger International Maxion HS 4 cil. 2.5 e 2.8 Diesel - General Motors/Chevrolet: Blazer | S10 Maxion HSD - Mercedes Benz: Sprinter Maxion HS - Perkins: Especial/Special Maxion HSD

MOTOR

Lucas Indiel: 35259170 - Prestolite: 35261860

EQUIVALENTE / Equivalent

Lucas Indiel: 35260280 | 35262227

**0917****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Isuzu: Especial/Special - Nissan: Especial/Special

EQUIVALENTE / Equivalent

Lucas: 66241474

**0918****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Toyota: Conquest | Corolla

EQUIVALENTE / Equivalent

Lucas: 66241709

**0919****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Omega Australiano 3.8 V6

MOTOR

Bosch: F005M00012 | F005M00014

EQUIVALENTE / Equivalent

Bosch: 9000061009 | 9001066255 | F000AL1684 - WAI: 5491125

**0921****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Toyota: Hilux 2.8 Diesel | L -2L | Land Cruiser 2.8 Diesel

MOTOR

Nippondenso: 280007370 | 280007373 | 280008760 | 280008761 | 280008762 | 1280000360 | 1280000362 | 1280001880 | 1280007353 | 1280008140 | 1280008142 | 1280008150 | 1280008152 | 1280009591 | 1280009592 | 2280000400 | 2280000640 | 2280001300 - Toyota: 2810054100 | 2810054170

EQUIVALENTE / Equivalent

Cargo: 137293 - Nippondenso: 0280992700 | 2810054310 - Toyota: 2801154070 - WAI: 548251

**0925****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

APLICAÇÃO / Application / Aplicación

Audi: A4 | A6 - Fiat: Palio | Siena Diesel | Strada 1.7 TDS - Mahindra: Pick Up - Mercedes Benz: E 190 2.3 - Renault: Especial/Special - Volkswagen: Gol G2 2.0 Mi | Gol G3 1.6 Mi | Gol G3 1.8 Mi | Gol G3 2.0 Mi | Gol GTI 16V | Passat Alemão

MOTOR

Bosch: 0001107037 | 0001107048 | 0001107054 | 0001107067 | 0001107068 | 0001107069 | 0001107070 | 0001107072 | 0001107073 | 0001107074 | 0001107076 | 0001108162 | 0001108166 | 0001108167 | 0001108172 | 0001108173 | 0001108174 | 0001108175 | 0001109018 | 0001115002 | 0001115007 | F002G20524

EQUIVALENTE / Equivalent

Bosch: 1006209618 | 1006209638 | 1006209672 | 1006209677 | 1006209690 | F002G20644 - Fiat: 9947831 - Lucas Indiel: 222503 - WAI: 549195

**0926****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

## APLICAÇÃO / Application / Aplicación

Citröen: BX16 - Peugeot: 205 1.6 | 305 1.6 | 306 | 405 1.4 - 1.6 - 1.9 | - Renault: R 4F6 | R 5 Alpine e Turbo | R 5 TL, GTL, LS | R11 | R9 | Trafic 1.4 b

## MOTOR

Iskra: AZF3509 | AZF3513 | AZF3515 | AZF3517 | AZF3524 | AZF3528 | AZF3531 | AZF3545 | AZF3547 | AZF3549 | AZF3559 | 11130193 | 11130224 | 11130244 | 11130291 | 11130338 | 11130346 | 11130378 | 11130392 | 11130395 | 11130418

## EQUIVALENTE / Equivalent

Iskra: 922H6 | 16900392 | 16900408 | 16900541 | 16900902 | 16901392 | 16901408

**0932****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

## APLICAÇÃO / Application / Aplicación

Audi: A3 1.6i, 1.6T - Seat: Cordoba - Volkswagen: Caddy | Golf 2001 | New Beatle | Polo

## MOTOR

Bosch: 0001124003 | 0001124013 | 0001125005 | 0001125006

## EQUIVALENTE / Equivalent

Bosch: 1006209628 | 1006209649 | 1006209758 - Cargo: 137480 - Lucas Indiel: 229979 - WAI: 5491110

**0933****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

## APLICAÇÃO / Application / Aplicación

Volkswagen: Gol 1000 Mi AP/AT | Gol G2 1.0 MI | Gol G2 1.0 MI 16V | Gol G3 1.0 MI | Gol G3 1.0 MI 16V | Golf | Parati 1997

## EQUIVALENTE / Equivalent

Bosch: 9001081074 - WAI: 5491141

**0935****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

## APLICAÇÃO / Application / Aplicación

JPX: Jeep - Peugeot: 306 1.9 Diesel | Boxer | Partner 1.9 Diesel - Renault: Clio Express Diesel | R19

## EQUIVALENTE / Equivalent

Lucas Indiel: 224035

**0936****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

## APLICAÇÃO / Application / Aplicación

Peugeot: 405 Diesel | 504 Diesel | 505 Diesel | 604 Diesel

## MOTOR

Paris Rhone: D9R84 | D9R121

## EQUIVALENTE / Equivalent

Lucas Indiel: 224036 - Valeo: NE210 | 182052

**0937****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 180

## APLICAÇÃO / Application / Aplicación

Audi: A3 1.9 TDI - Ford: Galaxy 2.0 - Seat: Alhambra 1.9 TDI | Ibiza 1.9 D/TD | Vento Tdi 1.9 - Skoda: Octavia 1.9 TDI - Volkswagen: Beetle 1.9 TDI | Bora 1.9 TDI | Bus/Eurovan 1.9 L | Caravelle 1.9 | Eurovan | Golf 2.0 2001 | Golf G3 1.9 TDI | Multivan | Passat | Polo 1.9 TDI | Sharan 1.9 TDI | Vento TDI 1.9

## MOTOR

Bosch: 0001124001 | 0001124005 | 0001124006 | 0001125001 | 0001125002 | 0001125007 | 0001125008 | 0001125011 | 0001125012 | 0001125013 | 0001125031

Volkswagen: 02A911023L

## EQUIVALENTE / Equivalent

Bosch: 1006209621 | 1006209648 | 1006209699 | 1006209880 - Cargo: 136854 - Lucas Indiel: 224037 - WAI: 5491127

**0938****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

## APLICAÇÃO / Application / Aplicación

Ford: Courier 1.4i 16v | Courier Zetec (nacional) 1.6 16V | Fiesta Zetec (nacional) 1.4 16V



**0938****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**MOTOR****Bosch:** 0001107043 | 0001107087 | 0001113010 | 0001113017 - **Ford:** 96FB11000 | 96FB11000KB | 96FB11000KC | 96FB11000LB | 96FB11000LC**EQUIVALENTE / Equivalent****Bosch:** 1006209629 | 1006209929 - **Lucas Indiel:** 224038 - **WAI:** 5491178**0942****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Gol AP 1.6 Mi, 1.8 Mi e 2.0 Mi - 8V e 16V 1999 | Gol G2 1.6 Mi | Parati AP 1.6 Mi, 1.8 Mi e 2.0 Mi - 8V e 16V 1999 | Saveiro AP 1.6 Mi, 1.8 Mi e 2.0 Mi - 8V e 16V 1999**MOTOR****Bosch:** F000AL0301**EQUIVALENTE / Equivalent****Bosch:** F000AL1032 | F000AL1037 | F000AL1882 - **Lucas Indiel:** 229985**0945****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Corsa - **Renault:** Clio 1.6 | R11 1.4 | R19 1.6 | R9 1.4**MOTOR****Lucas Indiel:** 35258600 | 35258790 - **Renault:** 7702227059**EQUIVALENTE / Equivalent****Lucas Indiel:** 35260290 - **Prestolite:** 35261035**0946****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Isuzu:** KBD 27, 41, 47 | Trooper Diesel 2.2 - **Jeep:** Renegade - **Kia:** Sportage**MOTOR****Isuzu:** 451229 | 455657 | 455674 | TY6615 | 2912559140 | 5811000860 | 5811001660 | 5811001830 | 8941233870 | 8941337583 | 8941492490 | 8941702050 | 8944489590**Nippondenso:** 280000960 | 280004390 | 280005060 | 280006440 | 280007000 | 280007001 | 280007351 | 280007790 | 280007791 | 280009300 | 1280000020 | 1280000830 | 1280000831 | 1280000832 | 1280000960 | 1280001100 | 1280001110 | 1280002880 | 1280002881 | 1280004660 | 1280004661 | 1280008700 | 2280001890**Remy:** 94123387**EQUIVALENTE / Equivalent****Cargo:** 132863 - **Isuzu:** 5811240030 - **Lester:** 16739 | 17303 | 17381 - **Nippondenso:** 0283001840 | 0283001841 | 0283001842 - **WAI:** 548209**0947****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Daihatsu:** Rocky F80 - **Especial/Special:** Motocicletas - **JCB:** Escavadeira - **Mazda:** B2200 - **Toyota:** 2S | 2Y | 2Y 2.2 | 3Y | Camry | Carina | Celica | Corolla | Dyna | Hilux | JR 7 | MR 2 | Tercel - **ZEN:** Utiliza Pinhão ZEN 9186**MOTOR****Daihatsu:** 2810072010 - **Ishikawajima:** 185086240 | 185086340 - **Kubota:** 1550463011 | 1574163011 - **Nippondenso:** 280004343 | 280004450 | 280005900 | 280005912 | 280006001 | 280006120 | 280006332 | 280006362 | 280006450 | 280006930 | 280007321 | 280007392 | 280007560 | 280007620 | 280008050 | 280008060 | 280008220 | 280008261 | 280008290 | 280008320 | 280008850 | 280009070 | 280009260 | 280009380 | 280009711 | 280009720 | 280009860 | 1280000101 | 1280000220 | 1280000230 | 1280000500 | 1280000510 | 1280001370 | 1280001440 | 1280001441 | 1280001520 | 1280001630 | 1280002060 | 1280003340 | 1280003350 | 1280003590 | 1280003670 | 1280003990 | 1280004420 | 1280005261 | 1280005410 | 1280005700 | 1280005780 | 1280005781 | 1280005840 | 1280005850 | 1280007090 | 1280007100 | 1280007330 | 1280007680 | 1280007690 | 1280007912 | 1280008070 | 1280008080 | 1280008240 | 1280008560 | 2280000311 | 2280000580 | 2280000960 | 2280001100 | 2280001110 | 2280001710 | 2280002020 | 2280002121 | 2280002300 | 2280002610 | 2280002620 | 2280002682 | 2280002691 | 2280002701 | 2280002760 | 2280002770 | 2280002851 | 2280002880 | 2280003200 | 2280003290 | 2280004320 | 2280004330 - **Toyota:** 2810010040 | 2810010060 | 2810013010 | 2810015020 | 2810015040 | 2810015070 | 2810015130 | 2810015180 | 2810016020 | 2810016080 | 2810016110 | 2810027010 | 2810027030 | 2810027050 | 2810027060 | 2810031010 | 2810034060 | 2810034080 | 2810034100 | 2810041060 | 2810042040 | 2810042050 | 2810044030 | 2810044050 | 2810045033 | 2810045050 | 2810051031 | 2810060070 | 2810063020 | 2810063050 | 2810072010 | 2810072020 | 2810072030 | 2810072040 | 2810072050 | 2810072060 | 2810072070 | 2810072090 | 2810072100 | 2810072110 | 2810073010

**0947****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**EQUIVALENTE / Equivalent**

**Cargo:** 132004 - **Honda:** 31204657617 - **Ishikawajima:** 185866150 - **Isuzu:** 8941291870 - **Kubota:** 1550463041 - **Lester:** 16248 | 16251 | 16578 | 16586 | 16600 | 16612 | 16674 | 16735 | 16736 | 16737 | 16759 | 16760 | 16761 | 16786 | 16790 | 16802 | 16821 | 16823 | 16825 | 16826 | 16827 | 16828 | 16829 | 16831 | 16833 | 16834 | 16837 | 16878 | 16892 | 16895 | 16906 | 16911 | 16913 | 17002 | 17003 | 17027 | 17125 | 17143 | 17171 | 17240 | 17251 | 17256 | 17345 | 17420 | 17422 | 17481 | 17487 | 17521 | 17530 | 17537 | 18181 | 18182 - **Nippondenso:** 0283001600 | 0283001601 | 0283001602 | 0283001603 | 0283001790 | 0283001791 | 0283001800 | 0283002000 | 0283002110 | 0283002111 | 0283002270 | 0283003630 | 0283003631 | 0283004160 | 0283006940 - **Toyota:** 2801120540 | 2801126041 | 2801126042 | 2801135030 | 2810110710 - **WAI:** 548202

**0951****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Suzuki:** Corry | Maruti**EQUIVALENTE / Equivalent****Nippondenso:** 0283005800 - **Suzuki:** 3132051A10 - **WAI:** 548256**0953****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Fiat:** 1100TN | 217N | 332 | 352 | 615N e 615N1 | 616 | Campagnolo Diesel**MOTOR****Fiat:** 852962 | 4104783 - **Magneti Marelli:** 63223897 | E1154/24**EQUIVALENTE / Equivalent****Fiat:** 879898**0954****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Toyota:** Hilux 2.8**MOTOR****Denso:** 2280002124 - **Nippondenso:** 2280002120 - **Toyota:** 2810054380**EQUIVALENTE / Equivalent****Toyota:** 2801154380 - **WAI:** 548257**0957****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Mazda:** Especial/Special - **Mitsubishi:** Canter - **Nissan:** Especial/Special - **Yale:** Especial/Special - **ZEN:** Utiliza Pinhão ZEN 12658 | Utiliza Pinhão ZEN 12659**MOTOR**

**Mazda:** S21118400 | V10118400B - **Mitsubishi:** M2T54372 | M2T54571 | M2T54572 | M2T56071 | M2T57871 | M2T57881 | M2T60072 | M2T61771 | M2T64372 | M2T64373 | M2T66371 | M2T66872 | M2T66873 | M2T67871 | M2T67872 | M2T67873 | M2T67881 | M2T67882 | M2T67883 | M2T78271 | M3T56471 | M3T57371 | M3T66071 | M3T66072 | M3T66073 | M3T66074 | ME007517 | ME008815 | ME017034 | ME017035 | ME017056 | ME017061 | MG120413 | M002T54372 | M002T54571 | M002T54572 | M002T56071 | M002T57871 | M002T57881 | M002T60072 | M002T61771 | M002T64372 | M002T64373 | M002T66371 | M002T66872 | M002T66873 | M002T67871 | M002T67872 | M002T67873 | M002T67881 | M002T67882 | M002T67883 | M002T78271 | M003T56471 | M003T57371 | M003T66071 | M003T66072 | M003T66073 | M003T66074

**EQUIVALENTE / Equivalent****Mazda:** 859924740 - **Mitsubishi:** ME700121 | 23314T9000 | M357T73171 | M357T76171 | M357T77371 | M605X31971 - **WAI:** 5483401**0958****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Blazer 4.3 V6 - **Hyster:** Empilhadeira H80XM**MOTOR****Remy:** 9000836 | 9000841 | 9000854 | 9000857 | 9000858 | 9000871 | 9000872 | 9000873 | 9000879 | 9000880 | 9000882 | 9000884 | 9000885 | 24506694**EQUIVALENTE / Equivalent****Remy:** 10492409 | 10492409L - **WAI:** 54168 | 54174

**0959****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Ford:** Expedition 4.6, 5.4 V8 1999 | Lincoln Navigator 5.4 V8 1999 | Pick Up série F 4.2 (V6), 4.6 e 5.4 (V8), 6.8 (V10) 1999**MOTOR****Ford:** F81U11000AC**EQUIVALENTE / Equivalent****Visteon:** STRC019 - **WAI:** 542400**0960****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Lotus:** Elise - **Rover:** 216 | 620 | 820 | 850**MOTOR****Lucas Indiel:** 26692 | 26696 | 26607EJ**EQUIVALENTE / Equivalent****Cargo:** 133295 | 133979 - **Lucas:** TNB176 | 54292179**0961****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Citroën:** BX | Xantia | XM | ZX - **Ford:** Granada | Sierra | Spropio - **Mercedes Benz:** E 200 | E 300 - **Peugeot:** 404 | 405 | 504 2.1, 2.3 diesel | 505 1.6, 1.8, 2.0, 2.3, 2.5 Diesel | 604 | J9**MOTOR****Paris Rhone:** D9R89 | D9R99 | D9R112 | D9R118 | D9R122 | D9R135 - **Valeo:** D9R89 | D9R99 | D9R112 | D9R118 | D9R119 | D9R135 | D9R149**EQUIVALENTE / Equivalent****Paris Rhone:** 180827 | 184530 - **Valeo:** NE776 | NE832 | 182176 | 185675 | 186456 | 594042**0962****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Ford:** Courier 1.8 diesel | Escort 1.6 diesel | Fiesta 1.6 diesel | Mondeo 1.8 Turbo Diesel | Orion 1.6 diesel**MOTOR****Bosch:** 0001110013 | 0001110019 | 0001110043 | 0001110044 | 0001110051 | 0001110064 | 0001110065 | 0001110088 | 0001110104 | 0001110105**EQUIVALENTE / Equivalent****Bosch:** 1006209560 | 1006209569 | 1006209908 - **Lucas Indiel:** 224062**0965****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****Citroën:** C3 - **Fiat:** 147 1.1 e 1.3 1973...1986 | Duna 60, 70 e Weekend 1986...1990 | Elba 1.0, 1.3, 1.5 SOHC 1985 | Fiorino 1.0, 1.3, 1.5 1985 | Oggi 1.1, 1.3 1973...1986 | Palio 1.0 8V e 16V, 1.3 16V, 1.5 EL Mpi e ELX Mpi, 1.8 - **Ford:** Courier 1.0L / 1.6L Zetec Rocam | EcoSport 1.0L / 1.6L Zetec Rocam | EcoSport 1.0L Supercharger | Escort 1.6L Zetec Rocam | Fiesta 1.0L / 1.6L / Zetec Rocam 1999 | Ka 1.0L / 1.6L Zetec Rocam | Novo Fiesta 1.0L / 1.6L Zetec Rocam | Novo Fiesta 1.0L Supercharger - **Nissan:** March 1.0 16V - **Peugeot:** 106 | 206 1.0 16V / 1.4 / 1.6 / 1.6 16V | 207 - **Renault:** Clio | Clio 1.0 / 1.0 16V / 1.6 16V | Kangoo 1.0 / 1.0 16V / 1.2 / 1.6 16V | Logan 1.0 16v | Twingo 1.0 / 1.2**MOTOR****Ford:** 3S6511000AA | 3S6511000CA - **Renault:** 8200471963 - **Valeo:** D7E1 | D7E5 | D7E16 | D7E23 | D7E24 | D7E35 | D7E37 | D7E39 | D7E52**EQUIVALENTE / Equivalent****Lucas Indiel:** 229989 - **Valeo:** 060527 | 080327 | NE949 | 100327 | 187336 | 187863 | 187996 | 188251 | 220527 | 250527 | 260412 | 290212 | 290327 | 492828 | 494828 | 494832 | 594287 - **WAI:** 549438**0969****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

**APLICAÇÃO / Application / Aplicación****BMW:** 318i | 324D | 524D**MOTOR****Magneti Marelli:** 63111000 | 63223435 | 63223639

**0969****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 181

EQUIVALENTE / Equivalent

WAI: 549316

**0972****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Seat: Especial/Special - Volkswagen: Golf | Passat 1.9 Diesel | Polo

MOTOR

Bosch: 0001124011 | 0001125003 | 0001125039

EQUIVALENTE / Equivalent

Bosch: 1006209643 | 1006209759 - Lucas Indiel: 224072 - WAI: 5491152

**0975****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Ford: Escort 1.8 EFI ...08/1995 | Fiesta 0.9 e 1.0 1996

MOTOR

Ford: 95FB11000BC | 95FB11000BD | 95FB11000BG - Magneti Marelli: 63223538 | 63293538

EQUIVALENTE / Equivalent

Ford: F5BU11350AA - Lucas: 54294813 - Lucas Indiel: 224075

**0976****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Citroën: Ax | Berlingo | C3 1.1i, 1.4i, 1.6 16V | Saxo 1.0, 1.4 | Xsara 1.4i 07/1997...08/2000 | Xsara Picasso 2.0 16V. | ZX 1.0, 1.4 - Fiat: Doblo 1.6 16V | Palio Fire 2001 | Palio Weekend 1.6 16V Fire 2001 | Palio Weekend Adventur 1.6 16V Fire 2001 | Siena 1.6 MPI 16V | Strada 2003 - Mercedes Benz: C 240 | C 280 | C 280 T - Modell | CLK 320 Coupe - Peugeot: 106 | 205 | 206 | 306 | 405 1.6 | Boxer | Partner Furgonato 1.1, 1.4 | Partner Van, Limousine - Renault: Megane 2.0 16V

MOTOR

Bosch: 0001106011 | 0001106014 | 0001106015 | 0001107047 | 0001107063 | 0001107077 | 0001107091 | 0001107098 | 0001108171 | 0001108176 | 0001108184 | 0001112007 | 0001112019 | 0001112041 | 0001115006 | 0001116003

EQUIVALENTE / Equivalent

Bosch: 1006209624 | 1006209633 | 1006209692 | 1006209696 | 1006209706 | 1006209715 | 1006209944 | 9008045049 | F000AL1324 | F000AL1683 - Lucas Indiel: 224076 - WAI: 5491103

**0978****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: D20 03/1992... | D6000 03/1992... | GMC 6100 Maxion 4 Cil. 2001 | Silverado Maxion S4 Diesel - Massey Ferguson: 265 04/1976... - Perkins: Maxion

MOTOR

Lucas Indiel: 35258540 | 35258710

EQUIVALENTE / Equivalent

Lucas Indiel: 220310 | 224078 | 229027 | 35259027 | 35260310 | 35260810

**0983****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Peugeot: 504 | 505 diesel XD2

MOTOR

Lucas Indiel: 35258690

EQUIVALENTE / Equivalent

Lucas Indiel: 35259037 | 35260590

**0989****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Volkswagen: Kombi Refrigerada a água

MOTOR

Bosch: F000AL0306

EQUIVALENTE / Equivalent

Bosch: F000AL1152 | F000AL1707 - WAI: 5491113

**0990****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Fiat: Duna - Ford: Escort L Zetec | Focus | Mondeo 1.8 e 2.0

MOTOR

Lucas Indiel: 35258760 | 35258850 | 35261250

EQUIVALENTE / Equivalent

Lucas Indiel: 220625 | 224090 | 35260625

**0997****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

BMW: 316, 318, 325 série E36 | 728 série E38 | BMW série 5 e série E34 - E36 Todos os tipos exceto diesel

MOTOR

Bosch: 0001107062 | 0001108157 | 0001108169

EQUIVALENTE / Equivalent

Bosch: 1006209634 | 1006209660 | 1006209779 | 1006209792 | 1006209968 - Lucas Indiel: 224097 - WAI: 5491101

**0998****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Fiat: Brava 1.8 HGT | Marea 1.8 MPI 16V | Marea 2.0 20v | Marea 2.0 MPI 20v Turbo | Marea 2.4 20v | Marea Turbo | Marea Weekend 1.8 MPI 16V | Marea Weekend 2.0 MPI 20v Turbo - Toyota: Corolla 2000 | Fielder 2010... | Hilux 2.7 2010...

MOTOR

Bosch: 0001107030 | 0001107066 | 0001107078 | 0001107079 | 0001108181 | F000AL0102 | F000AL0110 | F00MAL0110 - Fiat: 46468696 - Toyota: 281000C060

EQUIVALENTE / Equivalent

Bosch: 1006209607 | 1006209675 | F000AL1200 | F000AL1250 | F000AL1695 - Fiat: 9947838 - Lucas Indiel: 224098 - WAI: 5491113

**0999****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Fiat: Palio 1.6 | Palio Weekend | Siena 16V 1.6 | Strada

MOTOR

Magnet Marelli: 63103007 | 63103008

EQUIVALENTE / Equivalent

Lucas Indiel: 224099 - WAI: 549308

**1004****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Lamborghini: Diablo 5.7

MOTOR

Bosch: 0001362104

EQUIVALENTE / Equivalent

Bosch: 2006209429 | 2006209490

**1005****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Agraria: 4900 - Carraro: Super Tigre 625

MOTOR

Bosch: 0001362094 | 0001366005 | 0001366006 | 0001366013 | 9000143204

EQUIVALENTE / Equivalent

Bosch: 2006209488

**1011****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Nissan: Micra

EQUIVALENTE / Equivalent

Bosch: 1006209932 - WAI: 541011

**1016****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Hitachi: Maxima | Tsuru Altima

EQUIVALENTE / Equivalent

Hitachi: 211445016 - Nissan: 2331231U00 - WAI: 548151

**1017****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Audi: A3 2002 - Infiniti: I30 3.0 - Nissan: Maxima II 2.0 - 3.0 V6 24V | Maxima III QX 2.0 - 3.0 - Volkswagen: Bora 1.8 T | Bora 2.3 V5 4 Motion | Golf IV 1.8 GTI Turbo | Golf IV 2.8 V6 | Sharan 1.8 T 20V

MOTOR

Hitachi: S114875 | S114801B | S114801C - Nissan: 2330031U02

EQUIVALENTE / Equivalent

Hitachi: 211445100 - Nissan: 2331231U01 - WAI: 548152

**1018****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 182

APLICAÇÃO / Application / Aplicación

Nissan: Almera e Sunny - Subaru: Forester 2.0 | Impreza 1.6, 1.8, 2.0 2WD e 4WD | Justy 1.0 | Legacy 2.0, 2.2 e 2.5

MOTOR

Mitsubishi: MOT80285 | M1T77181

EQUIVALENTE / Equivalent

Mitsubishi: M191T16771 | M191T16971 | M191X16771 | M191X16971 - Nissan: 23312AA050 - WAI: 548338

**1019****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Mercury: Van Villager 6 cil. 3.0L 182cid 1993...1998 - Nissan: Van Quest 6 cil. 3.0L 2960cc 181cid 1993...1998

EQUIVALENTE / Equivalent

Ford: F4XY11350B - Motorcraft: SDE354 - Nissan: 233540B710 - WAI: 5483417

**1020****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Nissan: 200 SX | Sentra

MOTOR

Hitachi: S114750 | S114800 | S114816 | S114766A | S114775A

EQUIVALENTE / Equivalent

Hitachi: 211415016 - Nissan: 2331250Y01 - WAI: 548153

**1021****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Nissan: Altima L4 2.4L 2389cc 1993...1997

MOTOR

Hitachi: S114754 | S114754A - Nissan: 233001E400 | 233001E400R

EQUIVALENTE / Equivalent

Nissan: 233121E400 - WAI: 548150

**1022****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Agrale: Micro Ônibus Volare (Marcopolo) MWM 407 TCA 10/1998... - Fiat: Ducato - Ford: F250 MWM | F350 - General Motors/Chevrolet: Silverado MWM - MWM: F250 Motor 6.07TCA 03/1999... - Peugeot: Boxer 2.8 HDI

MOTOR

Bosch: 0001223010 | 0001223013

EQUIVALENTE / Equivalent

Bosch: 6033AD0270 | 6033AD0414 - WAI: 5491153

**1023****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Citroën: Berlingo 1.8 D, 1.9 D e 2.0 HDi - Fiat: Scudo TD - JPX: Jeep - Mercedes Benz: Sprinter - Peugeot: 405 Diesel | Partner - Renault: Clio D | Express D | Megane D | R 19 D | R 21 D - Volvo: Volvo 400 TD | Volvo 460 TD

MOTOR

Mercedes Benz: 0051511301 - Valeo: D7R5 | D7R8 | D7R9 | D7R12 | D7R13 | D7R16 | D7R18 | D7R20 | D7R25 | D7R26 | D7R27 | D7R40 | D7R43 | D7R46 | D7R49 | D8R27 | D8R49 | D7RE46

EQUIVALENTE / Equivalent

Lucas Indiel: 220407 - Valeo: NE834 | 185915 | 584135 | 584185 | 594185 - WAI: 549441

**1024****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Citroën: XM 2.5 TD - Fiat: 127 | Panda 30 - 45 | Ritmo 60 | Uno 45 - Ford: Ranger 2.5 TD - Hyundai: HR - Mazda: B2500D - Mitsubishi: 4D56 | L200 2.5 D 4WD | L300 2.5 D e TD 4X4 | Pajero 2.5 td | Space Gear 2.5 d

MOTOR

Mitsubishi: M2T80582 | M2T84071 | M2T84171 | M2T84571 | M2T87071 | M2T87171 | M2T87271 | M2T87471 | M2T87871 | MD315548 | M002T87071 | M002T87171ZT

EQUIVALENTE / Equivalent

Cargo: 139541 - Lucas Indiel: 220408 - Mitsubishi: MD312858 | MD618963 | M191T15071 | M191T68071 | M191X68071 - WAI: 548343

**1027****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Ford: F250 Cummins | F4000 Cummins

MOTOR

Bosch: 0001223505 | 0001223555

EQUIVALENTE / Equivalent

Bosch: 6033AD0284 | 6033ADO284 | 9033ADO284 - Lucas Indiel: 229984

**1030****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

APLICAÇÃO / Application / Aplicación

Citroën: XM 2.1 diesel | XM 2.1 turbo diesel - Suzuki: Vitara - Yanmar: Micro trator

MOTOR

Bosch: 0001109026

EQUIVALENTE / Equivalent

Bosch: 1006209646 - WAI: 5491154

**1031****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.8, 1.8 d | Evasion 1.8, 2.0, 2.0 turbo | Jumper 2.0 | Picasso 1.8 16V | Xantia 1.6, 1.8 8V /16V, 2.0 8V/16V, 2.0 CT turbo, 2.0 HDI | XM 2.0 CT Turbo, 2.0.i | Xsara 1.8, 1.8 16V, 2.0 16V, 2.0 16V VTS | ZX 1.6, 1.8 16V, 1.9, 2.0i - **Fiat:** Ulysse 1.8/2.0 - **Lancia:** Z (Zeta) 2.0 16V, 2.0ie, Turbo - **Mercedes Benz:** 280E | 320E | C280 | Classe A 160 CDI e 170 CDI | E 250D Turbo (210) BG, GR, H, I, IS, HR, P, SLO, TR | E 250DT (210) i | E 259D Turbo (210) | E280 | E300 | E320 | S280 | S321 | Sprinter 208D | Sprinter 210D | Sprinter 212D | Sprinter 308 D | Sprinter 312 D | Sprinter 408D | Sprinter 410 D | Sprinter 412D | Vario 812 D | Vito 108 D | Vito 110 D

**Peugeot:** 306 1.8/2.0 | 405 1.6 GL, 1.8i, 1.9 GR,SRi, 2.0i | 406 1.6/1.8 16V/2.0 16V/2.0 Turbo | 605 2.0 | 806 2.0 | 806 2.0 turbo | Boxer 2.0 | Expert 1.8 | Partner 1.8

**Renault:** Clio 1.9 Diesel | Megane 1.9 d | R 19 1.9 d | Safrane 2.2i

**MOTOR****Bosch:** 0001108183 | 0001108217 | 0001108218 | 0001109014 | 0001109036 | 0001109250 | 0001110112 | 0001115001 | 0001115008**EQUIVALENTE / Equivalent****Bosch:** 1006209635 | 1006209678 - **Lucas Indiel:** 220409 - **WAI:** 5491134**1033****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** Alfa 145 1998... | Alfa 146 1.9 JTD 1998... | Alfa 147 1.9 JTD 2000... | Alfa 156 1.9 JTD 1997...2000 - **BMW:** 324 1996... | 325 1996... | 525 1996... | 725 TDS 12V 1996... - **Fiat:** Brava 1.9 JTD 1997...1998 | Doblo 1.9 2000... | Marea 1.9 1996... | Multipla | Punto 2001... | Stilo 2001... - **Lancia:** Lybra - **Opel:** Frontera 2.5 1996... | Omega 2.5 TD, 2.5 XTD

**MOTOR****Bosch:** 0001109025 | 0001109030 | 0001109033 | 0001109035 - **Fiat:** 46473784**EQUIVALENTE / Equivalent****Bosch:** 1006209645 - **WAI:** 5491135**1037****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.8, 1.8 d | Evasion 1.8, 2.0, 2.0 turbo | Jumper 2.0 | Picasso 1.8 16V, ZX 1.6, 1.8 16V, 1.9, 2.0i | Xantia 1.6, 1.8 8V /16V, 2.0 8V/16V, 2.0 CT turbo, 2.0 HDI | XM 2.0 CT Turbo, 2.0.i | Xsara 1.8, 1.8 16V, 2.0 16V, 2.0 16V VTS - **Mercedes Benz:** 406 1.6/1.8 16V/2.0 16V/2.0 Turbo | Classe A 160 CDI e 170 CDI | E 250D Turbo (210) BG, GR, H, I, IS, HR, P, SLO, TR | E 250DT (210) i | E 259D Turbo (210) | Sprinter 208D | Sprinter 210D | Sprinter 212D | Sprinter 308 D | Sprinter 312 D | Sprinter 408D | Sprinter 410 D | Sprinter 412D - **Peugeot:** 306 1.8/2.0 | 405 1.6 GL, 1.8i, 1.9 GR,SRi, 2.0i | 605 2.0 | 806 2.0, 2.0 turbo | Boxer 2.0 | Expert 1.8 | Partner 1.8 - **Renault:** Clio 1.9 Diesel | Megane 1.9 d | R 19 1.9 d | Safrane 2.2i - **Ssangyong:** Especial/Special

**MOTOR****Bosch:** 0001108183 | 0001108217 | 0001108218 | 0001109014 | 0001109036 | 0001110112 | 0001115001 | 0001115008**EQUIVALENTE / Equivalent****Bosch:** 1006209631 | F005M10053 - **WAI:** 5491179**1038****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** 1215 C | 712 C | 817-1517 1996... | 914 2000 | 915 | Atego 1998... | Axor 1998... | Citaro 1998... | Econic 1998... | L1218 | L1418 | L1618 M | L1622 | L2423 - **New Holland:** Trator

**MOTOR****Bosch:** 0001230001 | 0001230006 | 0001230012 | 0001230013 | 0001231002 | 0001231003 | 0001231005 | 0001231018 | 0001231033**EQUIVALENTE / Equivalent****Bosch:** 6033AD0442 | 6033AD0462 | 6033AD3006 | 6033AD3108 | 6033AD3244 | 6033AD3850 | 6033AD4034 | 6033AD4118 | 6033AD4148 | 6033ADO462 | 9002336236**Cargo:** 139056 - **KHD:** 01319755 | 01319806 - **Mercedes Benz:** 0011511813 | 0011513213 - **WAI:** 5491130**1046****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación**

**Mitsubishi:** E2500 Diesel XA | E3000 | Fuso Canter 20, 30, 35, 4d31T 1987 | Fuso Canter 3600, 33, 4D30, 31, 32 1998 | Fuso Canter 4DRS 1984 ...1988 | Light Bus HÁ | Wheel Loader S4E - **Nissan:** Fork Lifts - **ZEN:** Utiliza pino ZEN 12812

**MOTOR**

**Mitsubishi:** 232415 | M2T55271 | M2T56471 | M2T56472 | M2T57881 | M2T61771 | M2T65271 | M2T65272 | M2T67881 | M2T67882 | M2T67883 | M2T69081 | M2T72871 | M2T74371 | M2T78381 | M2T78481 | M2T78482

**EQUIVALENTE / Equivalent****Mitsubishi:** ME700972 | M357T72671 | M357T72672 | M357X72672 | M357X85273 - **WAI:** 5483413



**1047****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación****Mitsubishi:** L200 1997 | Pajero 2.3TD e 2.5 TD - **ZEN:** Utiliza pinhão ZEN 12812**MOTOR****Mitsubishi:** M2T56181 | M2T56182 | M2T56185 | M2T56271 | M2T57771 | M2T74171 | MD069166 | MD070934 | MD084414 | MD164975 | MD164976**EQUIVALENTE / Equivalent****Mitsubishi:** 75571 | MD607791 | M357T75571**1048****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación****Daewoo:** Tico - **General Motors/Chevrolet:** Spark - **Kia:** Rio fev/05 | Spectra 1.6**MOTOR****Daewoo:** 31100A78B00 - **Hyundai:** 96275481 | 3610026850 | 361002X000 - **Remy:** 10455503**EQUIVALENTE / Equivalent****Cargo:** 231789 - **Daewoo:** 93740802 | 93740993 | 93740994 | 93742471 | 93742959 | 3120A78B00 - **Hyundai:** 3613926850 | 361392Y100 - **Kia:** 361392X000 - **WAI:** 549901**1054****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 183

**APLICAÇÃO / Application / Aplicación****Kia:** Pride**MOTOR****Mitsubishi:** MB30118X45**1056****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

**APLICAÇÃO / Application / Aplicación****Autobianchi:** Especial/Special - **Citroën:** Especial/Special - **Fiat:** Especial/Special - **Lancia:** Especial/Special - **Opel:** Especial/Special - **Peugeot:** Especial/Special**Renault:** Especial/Special - **Seat:** Especial/Special - **Talbot:** Especial/Special - **Vauxhall:** Especial/Special - **Volvo:** Especial/Special - **Zastava:** Especial/Special**MOTOR****Iskra:** 11130029 | 11130102 | 11130162 | 11130166 | 11130217 | 11130218 | 11130219 | 11130234 | 11130266**EQUIVALENTE / Equivalent****Iskra:** 16900089**1057****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** C 200 2.0, 55KW - Diesel 03/1993...08/1995 | C 200 2.0, 65KW - Diesel 09/1996... | C 200 T 2.2, 70KW - Diesel 05/1996... | C 220 2.2, 70KW - Diesel 08/1993... | C 250 turbo 2.5, 110KW - Diesel 09/1995... | E 200 2.0, 65KW - Diesel 03/1997... | E 220 2.2, 70KW - Diesel 06/1995... | E 250 2.5, 83KW - Diesel 06/1995... | E 250 T 2.5, 83KW - Diesel 05/1996... | E 290 turbo 2.9, 95KW - Diesel 05/1996... | E 290 turbo 2.9, 95KW - Diesel 01/1996... | Sprinter 208 2.3, 58/60KW - Diesel 02/1995... | Sprinter 210 2.9, 75KW - Diesel 01/1997... | Sprinter 212 2.9, 90KW - Diesel 02/1995... | Sprinter 308 2.3, 58KW - Diesel 02/1995... | Sprinter 310 2.9, 75KW - Diesel 01/1997... | Sprinter 312 2.9, 90KW - Diesel 02/1995... | Sprinter 408 2.3, 58KW - Diesel 02/1995... | Sprinter 410 2.9, 75KW - Diesel 01/1997... | Sprinter 412 2.9, 90KW - Diesel 02/1995... | V 230 TD 2.3, 72KW - Diesel 04/1996... | Vario 512 2.9, 90KW - Diesel 09/1996... | Vario 612 2.9, 90KW - Diesel 09/1996... | Vario O 812 2.9, 90KW - Diesel 09/1996...**MOTOR****Bosch:** 0001109014**EQUIVALENTE / Equivalent****Bosch:** 1006209642 - **WAI:** 5491155**1058****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

**APLICAÇÃO / Application / Aplicación****Renault:** Clio 1.0 8v | Clio 1.6i | Clio II 1.9 Diesel | Kangoo 1.9 Diesel - 48KW 10/1997... | Megane 1.9 Diesel | R19 1.9 Diesel | Trafic 1.9 Diesel - 47/48KW 11/1997...**MOTOR****Bosch:** 0001108180 | 0001108182 | 0001108186

**1058****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

EQUIVALENTE / Equivalent

Bosch: 1006209671 - WAI: 5491146

**1062****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Nissan: Primera Berlina 2.0 P10

MOTOR

Lucas Indiel: 26813 | 26834 | 26841 - Magneti Marelli: 63226834 | 63226845 | 63226846 - Nissan: 2330070J10 | 2330070J11 | 2330070J12

EQUIVALENTE / Equivalent

Nissan: 2331293J00

**1063****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Agrale: Micro Onibus Volare - General Motors/Chevrolet: S10 MWM Diesel - Renault: Master - Troller: T4 MWM 2000...

MOTOR

Mitsubishi: M002T87671 | M002T87771 | M002T87771ZA | M002T88771ZA

EQUIVALENTE / Equivalent

Mitsubishi: 68971 | 93971 | M191T93971 - WAI: 548362

**1064****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Dacia: Logan 1.4 - 1.6 - 16V - General Motors/Chevrolet: Celta 1.0 | Novo Corsa - Renault: Clio 1.6 16v | Megane 1.4i - 1.6i - 16V | Scenic 2.0 16V 2003

MOTOR

General Motors/Chevrolet: 93260358 - Renault: 8200049826 - Valeo: D7E10 | D7E11 | D7E19 | D7E22 | D7E27 | D7E47 | D7E48 | BD7E10

EQUIVALENTE / Equivalent

General Motors/Chevrolet: 93297293 - Valeo: 090800 | 188440 | 494830 | SS260300 - WAI: 549449

**1067****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Audi: 80 D 1.6L | 80 TD 1.9 | 90 1.9 D | A4 - Avant - Quattro 1.9TDI | A6 - Avant 1.9 TDI - Volkswagen: Passat 1.9 TDI | Variant 1.9 TDI

MOTOR

Bosch: 0001110066 | 0001110067

EQUIVALENTE / Equivalent

Bosch: 1006209581 - Cargo: 135715 - Volkswagen: 068911335F

**1068****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Lada: Especial/Special

**1069****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Audi: A3 1.6, 1.8 e 1.8 Turbo - Seat: Alhambra 2.0 | Cordoba 1.6 | Ibiza Cupra / Sport 1.8 20V turbo | Vario 1.6 - Volkswagen: Beetle 2.0 | Fox 2003 | Golf 1.8 | Golf 2.0 | Golf 4 Motion 1.8 | Golf G4 GTI Turbo 1.8 | Golf G4 Variant 2.0 | Polo 1.0 16V | Polo 1.6 | Polo 2.0

MOTOR

Bosch: 0001121008 | 0001121009 | 0001121016 | 0001121018 - Volkswagen: 02T911023E

EQUIVALENTE / Equivalent

Bosch: 1006209680 | F000AL1100 - Lucas Indiel: 220414 - WAI: 549197

**1070****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Fiat: Ducato - Ford: Maverick 2.7 D 1993...1998 - Nissan: Especial/Special

MOTOR

Bosch: 0001218118 | 0001218176 | 0001218776 | 9000331201 | 9000331203 | 9000331415 - Chrysler: 045532026F - Mercedes Benz: A0011510913

EQUIVALENTE / Equivalent

Bosch: 9002336219 | 9003336289 - Lucas Indiel: 220415

**1071****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Mercedes Benz: 124 - Still: Especial/Special - Styer Puch: Especial/Special

MOTOR

Bosch: 0001218162 | 0001218165

EQUIVALENTE / Equivalent

Bosch: 9002336223

**1072****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Citroën: Jumper 2.5 D-TD - Fiat: Ducato 2.5 TD - Peugeot: 605TD | Boxer 2.5 - TD

MOTOR

Bosch: 0001218157 | 9000331414

EQUIVALENTE / Equivalent

Bosch: 9002336224 | 9002336287 - Lucas Indiel: 220416 - WAI: 5491143

**1073****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Agrale: 5000D | 6150 | 7000D | 7500 TD | BX100 | BX130 | BX4.100 | BX4.130 | BX4.150 | BX4.90 - Case: 80 CR / 80 P - CBT: 8440 - Claas: Consul 3.8 | Dominator 5.7 | Mercator 5.7 - Fiat Allis: FB 80 - Lamborghini: Especial/Special - Mercedes Benz: 10 T 1013 | 1000 | 1013A | 1013S | 1017 | 11 T L1113B | 1100 | 12 T 1213 | 1217 | 1250 | 1300 Turbo | 1350 | 13T 1313 | 14 T 1413 | 1400 Turbo | 1417 | 1450 | 1500 | 1550 | 15T 1513 | 16 T 1613 | 1600 Turbo | 1617 | 1650 | 1700 | 1750 | 18 T 1819 | 2100 | 2150 | 54403 | 6 T 608 | 66403 | 7 T 709 | 72403 | 8 T 808 | 80406 | 809 | 813 | 9 T 911 | 90416 | 913 | 95424 | L508D | L608D | LKO1113B | LP1013 | LP1113 | LPK1113 | LPS1113B | O 309 | OF1113 - Puma: 914 4.0 - Same: Especial/Special - SLC: 7700 Turbo

Valmet: 110 225-6 5.7 | 118 D229-6 5.9 | 118 PID A 229-6 TV Alc. 5.9 | 128 4X4 D 229-6 VS | 128 4X4 PID A 229-6 Alcool | 128 D229-6 VS 5.9 | Valtra 785

Volkswagen: 11130 | 13130 | 6.90 | 7.90 | 7110

MOTOR

Iskra: AZJ3118 | AZJ3449 | AZJ3548 | 11130229 | 11130254 | 11130407 | 11130409 | 11130412 | 11130484 | 11130491 | 11130823 | 11130824 | 11131651

EQUIVALENTE / Equivalent

Iskra: 16901658

**1074****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Citroën: Xsara Zx D - Peugeot: 106D - Rover: Especial/Special

MOTOR

Valeo: D7R1 | D7R2 | D7R3 | D7R4 | D7R11 | D7R15 | D7R24 | D7R33

EQUIVALENTE / Equivalent

Valeo: NE831 | 185290 | 188256 | 594136

**1088****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

APLICAÇÃO / Application / Aplicación

Lada: Samara 1.1-1.3 e 1.5

EQUIVALENTE / Equivalent

Iskra: 16900035

**1090****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 184

## APLICAÇÃO / Application / Aplicación

Ford: F250 Cummins ISBe4 | F350 Cummins B Aftercooler 3.9 | F4000 Cummins B Aftercooler 3.9 - John Deere: 5600 - Volkswagen: 17210 | Caminhão 13180 MWM

## MOTOR

Lucas Indiel: 35259580 | 35259620 | 35259630 | 35259640 | 35259660 | 35259870 | 35262634

## EQUIVALENTE / Equivalent

Lucas Indiel: 229873 | 35259873

**1097****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

## APLICAÇÃO / Application / Aplicación

Toyota: Camry 2.0 D TURBO | Corolla 1.8 D, 2.0 D | Hilux SW 4 3.0 | Landcruiser 3.0 TD - D-4D | Lite- Ace 2.0 D

## MOTOR

Nippondenso: 280008451 | 1280000930 | 1280005350 | 1280008980 | 1280009550 | 2280000200 | 2280000460 | 2280000880 | 2280001850 | 2280003640 | 2280003680 | 2280004980 | 2280005020 | 2280005021 | 2280005022 | 2280005023 | 2810067050

## EQUIVALENTE / Equivalent

Nippondenso: 0283004011 | 0283004081 | 0283004082 - Thermoking: 2801167030 - Toyota: 2801164010 | 2801164030 | 2801167030 - WAI: 548258

**1104****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

## APLICAÇÃO / Application / Aplicación

Fiat: Croma D e TD - Lancia: Thema D e TD

## MOTOR

Magnetit Marelli: 63222001 | 63222031 | 63222039 | 63222136

**1107****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

## APLICAÇÃO / Application / Aplicación

Toyota: Avenis 2.0 TD

## MOTOR

Bosch: 0001109034 - Toyota: 281000B020

## EQUIVALENTE / Equivalent

Bosch: 1006209669

**1108****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

## APLICAÇÃO / Application / Aplicación

Audi: A3 1.6 - 1.8 T | TT - Seat: Alhambra 1.8T - 2.0 | Córdoba 1.6, 1.8, 2.0 | Ibiza 1.6 | Leon 1.4, 1.6, 1.8, 1.8T | Toledo 1.4, 1.6, 1.8 - Skoda: Octavia 1.6, 1.8, 1.8T, 2.0  
Volkswagen: Bora 1.6, 2.0 | Golf G4 1.4, 1.6, 1.8, 2.0 | Golf G4 1.4, 1.6, 1.8, 2.0 Variant | Golf G4 1.8 GTI | Golf G4 1.8 GTI Turbo | New Beetle 1.8, 2.0 | Polo 1.6, 1.8 | Sharan 1.8T, 2.0 | Transporter 2.0

## MOTOR

Bosch: 0001121006 | 0001121007 | 0001121010 | 0001121011

## EQUIVALENTE / Equivalent

Bosch: 1006209657 | 1006209757 | 1007010105 | F000AL1086 - WAI: 5491104

**1109****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

## APLICAÇÃO / Application / Aplicación

Opel: Astra | Astra G 2.0 DI - DTI - 16V - 2.2 DTI | Frontera | Frontera B 2.0 - 2.2 DTI | Omega B 2.0 - 2.2 DTI - DTH | Saab 9.3 | Signum 2.0 - 2.2 DTI | Sintra 2.2 DTI | Vauxhall | Vectra | Vectra 2.0 - 2.2 DI - DTI - DTH 16V - DTL 16V | Zafira 2.0 - 2.2 DI - DTI - Saab: 9 3 2.2 16V TD - Vauxhall: Omega 2.0 - 2.2 DTH | Vectra 2.0 - 2.2 DTH - DTL | Zafira 2.0 - 2.2 DI - DTI 1.6

## MOTOR

Bosch: 0001109015 | 0001109052 | 0001109062 | 0001109068

## EQUIVALENTE / Equivalent

Bosch: 1006209637 - Lucas Indiel: 220418 - WAI: 5491164

**1113****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

APLICAÇÃO / Application / Aplicación

Fiat: Marea 2.4 20v | Stilo

MOTOR

Magnetit Marelli: 63111005 | 63111006 | 63111007 | 63111010 | 63223537 | 63223730 | 63293537

EQUIVALENTE / Equivalent

WAI: 549309

**1117****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Especial/Special - Fiat: Ducato D - Lancia: Especial/Special

MOTOR

Magnetit Marelli: 63222000 | 63222004 | 63222030 | 63222034 | 63222038 | 63222130 | 63222134 | 63222135 | 63222138

EQUIVALENTE / Equivalent

Fiat: 9941371 - Lucas Indiel: 220419

**1133****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

APLICAÇÃO / Application / Aplicación

Volkswagen: Caddy Diesel | Gol | Senda Saveiro

MOTOR

Lucas Indiel: 35258740

EQUIVALENTE / Equivalent

Lucas Indiel: 220270

**1134****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

APLICAÇÃO / Application / Aplicación

Fiat: Duna | Fiorino 1.7 Diesel | Palio 1.7 Turbo Diesel | Uno 1.7 Diesel - Ford: Pick Up (USA) 4.9 / 5.8 | Tiger Tug (USA) - Cummins - Renault: 19 1.7, 1.8 | Clio 1.4 | Clio F8Q 1.9 Diesel | Express F8Q 1.9 Diesel | Megane 2.0 | R19 F8Q 1.9 Diesel

MOTOR

Lucas Indiel: 35258400 | 35258420 | 35258460 | 35258560 | 35258720 | 35258840

EQUIVALENTE / Equivalent

Lucas Indiel: 220210

**1152****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

APLICAÇÃO / Application / Aplicación

Citroën: Ax | BX - Peugeot: 106 | 205 | 309 | 405 - Renault: Clio II

MOTOR

Valeo: D7E2

EQUIVALENTE / Equivalent

Valeo: 187428

**1153****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

APLICAÇÃO / Application / Aplicación

Renault: Clio I e II | Kangoo | Twingo 1.2L

MOTOR

Bosch: 0001116001

EQUIVALENTE / Equivalent

Bosch: 1006209704 - Lucas Indiel: 220421 - WAI: 5491156

**1155****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

**APLICAÇÃO / Application / Aplicación****Toyota:** Corolla 2.0 Diesel**MOTOR****Bosch:** 0001109031 | F000AL0108**EQUIVALENTE / Equivalent****Bosch:** 1006209656 - **WAI:** 5491131**1156****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

**APLICAÇÃO / Application / Aplicación****Ford:** Ka 1.3 | Ka II 1.3 | Ka III 1.3**MOTOR****Bosch:** 0001107059 | 0001107082 - **Ford:** 97KB11000AA | 97KB11000AB | 97KB11000AC**EQUIVALENTE / Equivalent****Bosch:** 1006209652 - **WAI:** 5491171**1162****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

**APLICAÇÃO / Application / Aplicación****Renault:** Laguna D, RN, RT, RXE**MOTOR****Valeo:** ND161 | D9R142**EQUIVALENTE / Equivalent****Valeo:** NE885 | 186321 | 594251**1168****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Blazer Diesel - **Nissan:** Frontier MWM**MOTOR****Bosch:** F000AL0105 | F000AL0107 | F000AL0112**EQUIVALENTE / Equivalent****Bosch:** 1006209778 | F000AL1709 - **Cargo:** 333355 - **Lucas Indiel:** 220423**1169****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 185

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** 145 1.4 16V | 146 1.4 16V - **Fiat:** Brava 1.6 | Bravo 1.6 | Marea 1.6 | Multipla | Palio | Siena | Strada - **Lancia:** Nuova Delta**MOTOR****Fiat:** 46451529 | 46740241 - **Magneti Marelli:** 63111008 | 63111009 | 63111027 | 63112003 | 63113003**EQUIVALENTE / Equivalent****Cargo:** 139901 - **Fiat:** 9947754 - **Lucas Indiel:** 220424 - **WAI:** 549318**1170****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Toyota:** Camry 1991...1996 | Carina 1992...1996 | Corolla Diesel 1993...1995 | Corona**MOTOR****Bosch:** 0001218166**EQUIVALENTE / Equivalent****Bosch:** 9002336225 - **Lucas Indiel:** 220425

**1171****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Ford:** Escort SEE: 120-330 1.8L Diesel 1989...1996 | Fiesta SEE: 120-330 1.8L Diesel 1989...1996 | Orion SEE: 120-330 1.8L Diesel 1989...1996**MOTOR****Bosch:** 0001218105 | 0001218128**EQUIVALENTE / Equivalent****Bosch:** 9002336200 | 9002336205**1172****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Renault:** Express 1.6L Diesel 1986...1997 | Extra 1.6L Diesel 1986...1997 | Rapid 1.6L Diesel 1986...1997**MOTOR****Bosch:** 9000331411**EQUIVALENTE / Equivalent****Bosch:** 9003336286**1174****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Nissan:** Ebro | Nissan Trucks 1985...2000 | Van**MOTOR****Bosch:** 9000331406**EQUIVALENTE / Equivalent****Bosch:** 9003331430 | 9003336274**1177****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Gol G3 1.6 | Parati G3 1.6 | Saveiro G3 1.6**MOTOR****Bosch:** F000AL0400**EQUIVALENTE / Equivalent****Bosch:** F000AL1306 | F000AL1694**1184****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** 400 - **Willys:** Jeep 1969...1971**EQUIVALENTE / Equivalent****Remy:** 1954842 - **WAI:** 54101 | 54180**1187****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Citroën:** BX 16 | C25 | CX 2.0 - **Peugeot:** 309 | 405 | 504 | 505 | J5 | J7 - **Renault:** Fuego | Master | R 11 | R 18 | R 20 | R 21 | R 25 | R 4 | R 5 | R 9 | Trafic - **Volvo:** 345**EQUIVALENTE / Equivalent****Paris Rhone:** 99931**1188****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Bedford:** CF 1.8 e 2.3 - **Vauxhall:** Magnum 1800 | Magnum 2300 | Victor FD 2000 | Victor FE 1800 | VX 1800-2300 M35**MOTOR****Lucas Indiel:** 25329AM35 | 25165ADM35 | 25274ADM35 | 25348A5M90 | 25264AF5M90

**1188****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**EQUIVALENTE / Equivalent****Lester:** 16109 | 16283 - **Lucas:** TNB137 | 54244686 | 54245201 | 54245341 | 54246005 | 54247077 | 54247181**1189****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** C10 V8 5.0L 305cid 1984...1985 | C10 Suburban V8 5.0L 305cid 1984...1985 | C20 V8 5.0L 305cid 1984...1985 | C20 Suburban V8 5.0L 305cid 1984...1985 | C2500 V6 4.3L 262cid 1988...1989 | Camaro V6 2.8L 173cid 1984...1989 | Camaro V6 3.1L 189cid 1990 | K10 V8 5.0L 305cid 1984...1985 | K10 Suburban V8 5.0L 305cid 1984...1985 | K1500 V6 4.3L 262cid 1988...1989 | K20 V8 5.0L 305cid 1985 | K20 Suburban V8 5.0L 305cid 1985 | K2500 V6 4.3L 262cid 1988...1989 | K5 Blazer V8 5.0L 305cid 1984...1985 | S10 Blazer V6 2.8L 173cid 1984...1989 | S10 Blazer V6 4.3L 262cid 1988...1990 | S10 Pick Up V6 2.8L 173cid 1984...1993 - **GMC:** C1500 V6 4.3L 262cid 1988...1989 | C1500 V8 5.0L 305cid 1984...1985 | C1500 Suburban V8 5.0L 305cid 1984...1985 | C2500 V6 4.3L 262cid 1988...1989 | C2500 V8 5.0L 305cid 1984...1985 | C2500 Suburban V8 5.0L 305cid 1984...1985 | Jimmy V8 5.0L 305cid 1984...1985 | K1500 V6 4.3L 262cid 1988...1989 | K1500 V8 5.0L 305cid 1984...1985 | K1500 Suburban V8 5.0L 305cid 1984...1985 | K2500 V6 4.3L 262cid 1988...1989 | S15 Jimmy V6 2.8L 173cid 1984...1989 | S15 Jimmy V6 4.3L 262cid 1988...1990 | S15 Pick Up 6 Cil 2.8L 173cid 1984...1990 | S15 Pick Up 6 Cil 4.3L 262cid 1988...1990 | Sonoma V6 2.8L 173cid 1991...1993 - **Isuzu:** Rodeo V6 3.1L 3137cc 1991...1992 - **Jeep:** Cherokee V6 2.8L 173cid 1984...1986 | Comanche V6 2.8L 173cid 1986 | Wagoneer V6 2.8L 173cid 1984...1986 - **Pontiac:** Firebird V6 2.8L 173cid 1984...1989 | Firebird V6 3.1L 189cid 1990

**MOTOR****American:** 89530020124 - **Isuzu:** 8104550190 - **Jeep:** 8982775013**EQUIVALENTE / Equivalent****Bosch:** 1987BE0036 - **Lester:** 6317 | 6339 | 6413 - **Remy:** D2032 | 1984511 - **WAI:** 54100 | 54135**1192****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación**

**Ford:** Bronco 4.9 lts 1992 | Bronco 5.0 lts 1992...1996 | Bronco 5.8 lts 1992...1996 | Escape 6 cil 2001...2009 | F Séries Pick Up 5.0 lts 1992...1998 | F Séries Pick Up 5.8 lts 1992...1996 | F1000 4.9L 6 cil a gasolina | F150 | F250 V6 a gasolina | Ranger

**MOTOR**

**Ford:** SA769 | SA771 | SA774 | SA775 | SA776 | SA777 | SA784 | SA790 | SA800 | SA807 | SA769A | SA771A | F0O11002A | E90Y11002A | E90Y11002B | E9SZ11002A | E9SZ11002B | F0Z211002A | F0OY11002A | F0TZ11002A | F13Z11002A | F23Z11002A | F23Z11002B | F2DZ11002A | F2TZ11002A | F3DZ11002A | FOFZ11002A | FOTZ11002A | FOTZ11002B | E90F11000BA | E9SF11000AA | E9SF11000BA | F02U11000AA | F0OU11000AA | F13U11000AA | F23U11000AA | F23U11000BC | F2DU11000AA | F2DU11000BA | F2TU11000AA | F3DU11000AA | F02F11000AA | F07U11000AA | F07U11000BA | FOCF11000BA | FOCU11000BA - **Mazda:** ZZL118400 | ZZLO18400 - **Porsche:** E90V11002A | E9SF11002A | E90SZ11000AA

**EQUIVALENTE / Equivalent****Bosch:** 1987BE0018 - **Ford:** SD337 | E90Z11350A | F0TZ11002A | F5DZ11350A | F07U11000AA | F2TU11000AA - **Lucas:** TMB350 - **WAI:** 54212**1193****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación****Ford:** Escort 1.8 1991...1996 - **Mercury:** Tracer 1.8 1991...1996**MOTOR****Ford:** SA779 | FOCF11000AA | FOCU11000AA | FOCF-11000AA | FOCU-11000AA**EQUIVALENTE / Equivalent****Ford:** SD340 | FOFZ11350A - **Lester:** 3214 - **WAI:** 54214**1194****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

**APLICAÇÃO / Application / Aplicación**

**Bobcat:** Especial/Special - **Cummins:** Especial/Special - **Ford:** F12000 | F14000 1999 | F700 | Ford Truck Cummins - **General Motors/Chevrolet:** Pick Up Silverado Sierra Importado DIE - **John Deere:** John Deere

**MOTOR**

**Remy:** 1113269 | 1113270 | 1113292 | 1113295 | 1113296 | 10465151 | 10465314 | 10479604 | 10479614 | 10479615 | 10479617 | 10479618 | 10479625 | 10479634 | 10479638 | 10479641

**EQUIVALENTE / Equivalent****Lester:** 6583 - **Lucas Indiel:** 220427 - **Remy:** 10456455 | 10457056 | 10457579 | 10457056L - **WAI:** 548406



**1198****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** C Séries C1500 6.5 | C Séries C1500 6.5 Turbo | C Séries C1500 6.5 Turbo Suburban | C Séries C2500 6.2 | C Séries C2500 6.5 | C Séries C2500 6.5 Turbo | C Séries C2500 6.5 Turbo Suburban | C Séries C3500 6.5 Turbo

## EQUIVALENTE / Equivalent

Remy: 10457060 - WAI: 548405

**1199****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

## APLICAÇÃO / Application / Aplicación

**Ford:** Crown Victoria LX V8 4.6 Gas. 1992...1995 | Crown Victoria Police Interceptor V8 4.6 Gas. 1993...1995 | Crown Victoria Touring Sedan V8 4.6 Gas. 1992 | Crown Victoria S V8 4.6 Gas. 1992...1995 | Mustang | Mustang Cobra V8 4.6 Gas. 1996...1997 | Mustang GT V8 4.6 Gas. 1996...1997 | Thunderbird LX V8 4.6 Gas. 1994...1996  
**Lincoln:** Mark VIII LSC V8 4.6 Gas. 1995...1996 | Town Car Cartier V8 4.6 Gas. 1992...1995 | Town Car Executive V8 4.6 Gas. 1992...1995 | Town Car Jack Nicklaus V8 4.6 Gas. 1993 | Town Car Signature V8 4.6 Gas. 1992...1995 | Town Car Spinmaker Edition V8 4.6 Gas. 1995 | Town Car Tournament Edition V8 4.6 Gas. 1994 - **Mercury:** Cougar XR-7 V8 4.6 Gas. 1994...1996

## MOTOR

Ford: SA789 | SA822 | F2VY11002A | F3LY11002A | F3LU11000AA

## EQUIVALENTE / Equivalent

Ford: SD341 | F2VY11350A - **Lester:** 3221 | 3267 - **WAI:** 54215**1201****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

## APLICAÇÃO / Application / Aplicación

**Chrysler:** Daytona 3.0 | Fifty Avenue Lebaron | Saragata 3.0 | Voyager 3.0 V6 1990...1993 - **Harley Davidson:** MY91 - 06 BT except MY06 Dyna - **ZEN:** Utilizado no Impulsor ZEN 0750 | Utilizado no impulsor ZEN 0816 | Utilizado no impulsor ZEN 0817 | Utilizado no impulsor ZEN 0818 | Utilizado no Impulsor ZEN 0954

## MOTOR

Nippondenso: 1280007500 | 1280009380

## EQUIVALENTE / Equivalent

Nippondenso: 283000010 - **WAI:** 5482401**1206****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 186

## APLICAÇÃO / Application / Aplicación

Fiat: Tipo 1.4 e 1.6 - **Lancia:** Dedra 1.6 i.e

## MOTOR

Magnet Marelli: 63222831 | 63222832 | 63222833 | 63222836 | 63222837 | 63222838 | 63222897 | 63223001 | 63223031 | 63223032 | 63223033 | 63223034

## EQUIVALENTE / Equivalent

Fiat: 9941306

**1207****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Nissan: NX 1600 | NX 2000 | Pulsar 1.6 | Sentra 1.6 - **ZEN:** Utilizado no Impulsor ZEN 0793

## MOTOR

Hitachi: 51389 | 51384B | 5114440 | 5114486 | 5114475A - **Nissan:** 2330036A00

## EQUIVALENTE / Equivalent

Hitachi: 211425509 - **Nissan:** 2335416E01 - **WAI:** 5481401**1208****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Ford: Contour | Courier 1.6 2001 | Escape 4 cil 2001...2004 | Escort | Fiesta | Ka | Mercury Mystique 2.0 L 4 cil 1995...1996 | Mondeo CLX 1997

## MOTOR

Ford: F3RZ11002A | F3RZ11002B | 93BB11000HB | 93BB11000JB | 96BB11000AA | 97BB11000BB | 97BB11000BC

## EQUIVALENTE / Equivalent

Ford: SD353 | 53R211350A | F3RZ11350A | F5RU11350RA | XS6411350AA | XS6U11350AA - **Lucas Indiel:** 223299 - **WAI:** 54216 | 54223

**1209****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Astra 1.8 / 2.0 / 2.0 16V | Calibra 2.0 / 2.0i / 2.0i 16V | Corsa | Suprema 2.0 / 2.2 / 3.0 | Vectra 2.0 GSi MPFi / 2.0 GLS MPFi - **Renault:** Clio 1.2, 1.4, 1.6, 1.8 | Laguna 1.8, 2.0 | Megane 2.0 | R19 1.8 | R21 | Scenic 2.0 - **Volvo:** 440 | 460 | 480 | S40 | V40

## MOTOR

Valeo: D6RA56 | D6RA62 | D6RA82 | D6RA83 | D6RA107 | D6RA133 | D6RA162 | D6RA183

## EQUIVALENTE / Equivalent

Valeo: NE877 | 186798 | 187961 | 187981 | 594177 | 594252 - **WAI:** 549442**1211****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Toyota: Avenis 2.0 | Camry 1.8 / 2.0 / 2.2i / 3.0 V6 | Carina II 2.0i | Celica 2.0 GT / 2.0 GTi / 2.0 Turbo | MR-2 2.0 | Picnic 2.0 | RAV-4 2.0

## MOTOR

Nippondenso: 1280007390 | 1280008400 | 1280009710 | 1280009720 | 2280000820 | 2280000830 | 2280001910 | 2280002500

## EQUIVALENTE / Equivalent

Lester: 17170 | 17263 | 17534 | 17687 | 17715 | 17716 | 17774 | 17777 - **Nippondenso:** 0280906580 | 0280996580 | 0283010020 | 2801174070 - **WAI:** 5482408**1212****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Acura: Integra L4 1.7L 1678cc 1992...1993 | Integra L4 1.8L 1834cc 1992...1993 - **Dodge:** Ram 2500 V10 8.0L 7990cc 488cid 1994...1998 | Ram 3500 V10 8.0L 7990cc 488cid 1994...1998

## MOTOR

Nippondenso: 228000022 | 228000180

## EQUIVALENTE / Equivalent

Lester: 17273 | 17549 | 17574 - **Nippondenso:** 0283010060 - **WAI:** 5482407**1213****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Subaru: 1800 4X4 | Especial/Special 1.8 GTi Turbo 4X4 | Impreza 1.8 | Legacy 1.8 2WD | Legacy 2.2

## MOTOR

Nippondenso: 128000832 | 1280008321

## EQUIVALENTE / Equivalent

Lester: 17242 - **Nippondenso:** 0283007160 | 0283007910 - **Subaru:** 23312AA030 - **WAI:** 5482406**1215****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Toyota: Hilux 2.8 D | Land Cruiser - **Volkswagen:** Taro - **ZEN:** Utilizado no Impulsor ZEN 0921 | Utilizado no Impulsor ZEN 0946 | Utilizado no Impulsor ZEN 0947 | Utilizado no Impulsor ZEN 1097 | Utilizado no Impulsor ZEN 1601

## MOTOR

Nippondenso: 280007373 | 280008760 | 280008762 | 1280000362 | 1280007353 | 1280008142 | 1280008152 | 1280009592 | 2280000400 | 2280000640 | 2280001300

Toyota: 2810054100 | 2810054170

## EQUIVALENTE / Equivalent

Nippondenso: 2801154070 - **WAI:** 5482402**1217****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

## APLICAÇÃO / Application / Aplicación

Ford: F1000 Diesel | Ranger Diesel

## MOTOR

Ford: F87U11000DD

## EQUIVALENTE / Equivalent

Facet: 10682 - **Ford:** F87U11350 | F87U11350AC

**1221****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

APLICAÇÃO / Application / Aplicación

Toyota: Bandeirante - ZEN: Utilizado no Impulsor ZEN 0750 | Utilizado no Impulsor ZEN 0954

EQUIVALENTE / Equivalent

WAI: 5482401B

**1222****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

APLICAÇÃO / Application / Aplicación

Volkswagen: Gol G2 1.0 MI | Gol G3 1.0 16V Turbo | Gol G3 1.0 MI | Gol G3 1.0 MI 16V | Parati G3 1.0 MI 16V | Parati G3 1.0 MI 16V Turbo

MOTOR

Bosch: 9000081010 | F000AL0401 | F000AL0414

EQUIVALENTE / Equivalent

Bosch: F000AL1446 | F000AL1682

**1223****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

APLICAÇÃO / Application / Aplicación

Audi: Q7 - Porsche: 911 | Boxter | Carrera | Cayman - Seat: Arosa - Skoda: Fabia - Volkswagen: Gol 1.8 2005 | Lupo | Parati III 1.8 MI e 2.0 MI | Quantum 1.8 MI e 2.0 MI | Santana 1.8 MI e 2.0 MI | Saveiro III 1.8 MI e 2.0 MI | Touareg

MOTOR

Bosch: 0001121001 | 0001121002 | 0001121003 | 0001121030 | 0001121031 | 0001121032 | 0001121034 | 0001123001 | 0001123002 | 0001123003 | 0001123024 | F000AL0502

EQUIVALENTE / Equivalent

Bosch: 1006209641 | 1006209662 | 1006209761 | 1006209762 | 1006209781 | F000AL1186 | F000AL1681 - WAI: 5491123

**1224****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

APLICAÇÃO / Application / Aplicación

Ford: Bronco 4.9 lts 1992 | Bronco 5.0 lts 1992...1996 | Bronco 5.8 lts 1992...1996 | F Séries Pick Up 5.0 lts 1992...1998 | F Séries Pick Up 5.8 lts 1992...1996 | F1000 4.9L 6 cil a gasolina | F150 | Ranger - Valmet: Trator

MOTOR

Ford: SA769 | SA771 | SA774 | SA775 | SA776 | SA777 | SA784 | SA790 | SA800 | SA807 | SA769A | SA771A | F0011002A | E90Y11002A | E90Y11002B | E9SZ11002A | E9SZ11002B | F02Z11002A | F00Y11002A | F0TZ11002A | F13Z11002A | F23Z11002A | F23Z11002B | F2DZ11002A | F2TZ11002A | F3DZ11002A | FOFZ11002A | FOTZ11002A | FOTZ11002B | E90F11000BA | E9SF11000AA | E9SF11000BA | F02U11000AA | F00U11000AA | F13U11000AA | F23U11000AA | F23U11000BC | F2DU11000AA | F2DU11000BA | F2TU11000AA | F3DU11000AA | F02F11000AA | F07U11000AA | F07U11000BA | FOCF11000BA | FOCU11000BA

EQUIVALENTE / Equivalent

Ford: E90Z11350A | FOTZ11002A | F5DZ11350A | F07U11000AA | F2TU11000AA - Lester: 3204 | 3205 | 3213 | 3217 | 3224 | 3232 | 3238 | 3239 | 3240 | 3241 | 3246 | 3247 | 3264 | 3266 | 3268 | 3269 | 3270 | 3271 | 3272 | 3273 | 3274 - WAI: 54212

**1225****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

APLICAÇÃO / Application / Aplicación

Ford: Escort | Mercury | PMGR Starters 1991...1996

MOTOR

Ford: SA779 | FOCF11000AA | FOCU11000AA

EQUIVALENTE / Equivalent

Cargo: 231961 - Ford: SD340 | FOFZ11350A

**1226****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

APLICAÇÃO / Application / Aplicación

Ford: Crown Victoria LX V8 4.6 Gas. 1992...1995 | Crown Victoria Police Interceptor V8 4.6 Gas. 1993...1995 | Crown Victoria S V8 4.6 Gas. 1992...1995 | Crown Victoria Touring Sedan V8 4.6 Gas. 1992 | Mustang GT V8 4.6 Gas. 1996...1997 | Mustang Cobra V8 4.6 Gas. 1996...1997 | Thunderbird LX V8 4.6 Gas. 1994...1996 - Lincoln: Mark VIII LSC V8 4.6 Gas. 1995...1996 | Town Car Cartier V8 4.6 Gas. 1992...1995 | Town Car Executive V8 4.6 Gas. 1992...1995 | Town Car Jack Nicklaus V8 4.6 Gas. 1993 | Town Car Signature V8 4.6 Gas. 1992...1995 | Town Car Spinmaker Edition V8 4.6 Gas. 1995 | Town Car Tournament Edition V8 4.6 Gas. 1994 - Mercury: Cougar XR-7 V8 4.6 Gas. 1994...1996

**1226****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

**MOTOR**

Ford: SA789 | SA822 | F2VY11002A | F3LY11002A | F3LU11000AA

**EQUIVALENTE / Equivalent**Ford: SD341 | F2VY11350A - **WAI:** 54222**1227****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

**APLICAÇÃO / Application / Aplicación**

Fiat: Panda 750 | Tipo 1.1 Fire | Uno 45 Fire

**MOTOR**

Magnetit Marelli: 63101003 | 63221800 | 63221890 | 63221892

**EQUIVALENTE / Equivalent**

Fiat: 9941300

**1228****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 187

**APLICAÇÃO / Application / Aplicación**

Ford: Escape 4 cil 2001...2004

**MOTOR**

Ford: F3RZ11002B | XS6U11000AC

**EQUIVALENTE / Equivalent**Ford: F3RZ11350A | F5RU11350RA - **Lester:** 3261 | 3262 | 3263 - **WAI:** 54216 | 54223**1351****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

**APLICAÇÃO / Application / Aplicación**

ZEN: Especial/Special

**1458****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

**APLICAÇÃO / Application / Aplicación**

Mercedes Benz: Class C, E, M, S, V, CLK | Sprinter | Vito Engine D/TD

**MOTOR**

Valeo: D7R19 | D7R28

**EQUIVALENTE / Equivalent**Valeo: 059427 | 059527 | 187528 | 594279 - **WAI:** 549440**1467****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

**APLICAÇÃO / Application / Aplicación**

Nissan: Sentra 1994 | Tsuru

**MOTOR**

Bosch: 6004AA0017

**EQUIVALENTE / Equivalent**

Bosch: 1006209614 | F000AL2000

**1468****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

**APLICAÇÃO / Application / Aplicación**

Volkswagen: Fox | Gol G5 | Golf | Polo

**MOTOR**

Bosch: F000AL0402 | F000AL0415

**EQUIVALENTE / Equivalent**

Bosch: F000AL1901

**1469****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** Classe A190 06/1999... | Classe A 06/1999...

MOTOR

**Bosch:** F000AL0101 | F000AL0104 - **Mercedes Benz:** 0051511101 | 0051514701

EQUIVALENTE / Equivalent

**Bosch:** F000AL1209 | F000AL1688**1470****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

APLICAÇÃO / Application / Aplicación

**Chrysler:** Dodge RAM

MOTOR

**Bosch:** 6004AA3009

EQUIVALENTE / Equivalent

**Bosch:** 9008047011 | F000AL1024 - **WAI:** 5491114**1471****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** Classe A - A100 05/1999... | Classe A - A160

MOTOR

**Bosch:** F000AL0302

EQUIVALENTE / Equivalent

**Bosch:** F000AL1067 | F000AL1096 | F000AL1696**1474****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

APLICAÇÃO / Application / Aplicación

**Land Rover:** Defender 110 3.9L - 3947cc 1993 | Defender 90 3.9L - 3947cc 1994...1995 | Discovery 3.9L - 3947cc 1994...1995 | Range Rover 4.0L - 3950cc 1995 | Range Rover 4.2L - 4275cc 1993...1995

MOTOR

**Bosch:** 0001108137 | 0001108144 | 0001108156 | 0001109040 | 0001110090 | 0001110120

EQUIVALENTE / Equivalent

**Bosch:** 1006209605 | 1006209606 | 1006209928 - **WAI:** 549193**1482****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

APLICAÇÃO / Application / Aplicación

**Ford:** EcoSport 2.0I - 16V | Focus 2.0I - 16V

MOTOR

**Ford:** 5N1511000AA | 5N1511000AB - **Remy:** 8000071

EQUIVALENTE / Equivalent

**Remy:** 10500475 - **WAI:** 54175**1484****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

APLICAÇÃO / Application / Aplicación

**Seat:** Arosa 1.0, 1.4L | Cordoba 1.0, 1.4L | Ibiza II 1.0, 1.4L - **Volkswagen:** Lupo 1.0, 1.4L | Polo 1.0, 1.4L

MOTOR

**Magnet Marelli:** 63223039 | 63293029 | 63293039

**1485****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

## APLICAÇÃO / Application / Aplicación

**Chrysler:** Crosfire 3.2L - 3199cc 2004...2005 - **Mercedes Benz:** C 240 2.6L - 2597cc 2001...2004 | C32 3.2L - 3199cc 2002...2004 | C320 3.2L - 3199cc 2001...2004 | CLK320 3.2L - 3199cc 2001...2004 | E320 3.2L - 3199cc 2001...2004 | ML320 3.2L - 3199cc 2001...2003 | ML350 3.7L - 3724cc 2003...2004 | SLK32 3.2L - 3199cc 2002...2004 | SLK320 3.2L - 3199cc 2001...2003

## MOTOR

**Bosch:** 0001108197 | 0001108222 | 0001108223 | 0001115005 | 0001115009 | 0001115049 | 0001115050

## EQUIVALENTE / Equivalent

**Bosch:** 1006209661 - **Mercedes Benz:** 0011512113 - **WAI:** 549196

**1486****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

## APLICAÇÃO / Application / Aplicación

**BMW:** Séries 5 | Séries 7 | Séries 8 | Séries X5

## MOTOR

**Bosch:** 0001107085 | 0001110071 | 0001110072

## EQUIVALENTE / Equivalent

**Bosch:** 1006209592 | 1006209941 | D001965593 - **WAI:** 549162

**1487****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

## APLICAÇÃO / Application / Aplicación

**BMW:** 318 TDS

## MOTOR

**Bosch:** 0001110110

## EQUIVALENTE / Equivalent

**Bosch:** 1006209622

**1496****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

## APLICAÇÃO / Application / Aplicación

**Land Rover:** 100 | 200 | 25 | 400 | 45 | Cabriolet | Coupe

## MOTOR

**Magneti Marelli:** 63220104 | 63223103

**1504****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

## APLICAÇÃO / Application / Aplicación

**Tata:** Indica Diesel

## EQUIVALENTE / Equivalent

**Lucas:** 26256545

**1507****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 188

## APLICAÇÃO / Application / Aplicación

**Tata:** 207 Diesel 3L | 407 Diesel 3L

## EQUIVALENTE / Equivalent

**Lucas:** 26253397

**1509****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

## APLICAÇÃO / Application / Aplicación

**Alto:** VXi - **Esttem:** MPF - **Hyundai:** I10 1.1 - **Isuzu:** Especial/Special - **Lancer:** Especial/Special - **Maruti:** Gypsy - **Peugeot:** Especial/Special - **Santro:** Especial/Special

**Suzuki:** Wagon R - **Vagan:** Especial/Special

## EQUIVALENTE / Equivalent

**Lucas:** 26256287

**1516****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Tata: LP 1210US | Tata Cummins

EQUIVALENTE / Equivalent

Lucas: 26256097

**1518****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Especial/Special: Estate | Safari | T 206 - Tata: Pick Up | Tatamobile Sumo

MOTOR

Lucas Indiel: 2692512A

EQUIVALENTE / Equivalent

Lucas: 26253621

**1532****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Nissan: Tsuru

MOTOR

Hitachi: S114769 | S114862 | S114769A - Nissan: 2330070Y01

EQUIVALENTE / Equivalent

Cargo: 235004 - Hitachi: 211435016

**1533****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Ford: Courier 1.0L Zetec Rocam jul/99 | Courier 1.6L Zetec Rocam jul/99 | Ecosport 1.0L Supercharger fev/03 | Ecosport 1.0L Zetec Rocam fev/03 | Ecosport 1.6L Zetec Rocam fev/03 | Escort 1.6L Zetec Rocam jul/99 | Fiesta 1.0L Zetec Rocam jul/99 | Fiesta 1.6L Zetec Rocam jul/99 | Focus 1.0L Zetec Rocam | Ka 1.0L Zetec Rocam jul/99 | Ka 1.6L Zetec Rocam jul/99 | Novo Fiesta 1.0L Supercharger jun/02 | Novo Fiesta 1.0L Zetec Rocam jun/02 | Novo Fiesta 1.6L Zetec Rocam jun/02

MOTOR

Ford: 3S6511000BA | 5S6511000AA | 6S6519000AA - Valeo: D7E33 | D7E34 | D7E43 | D7E45

EQUIVALENTE / Equivalent

Valeo: 110427 | 494833

**1534****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Volkswagen: Fox | G4 | G5 | Gol | Golf 1.6 | Lupo | Parati | Polo | Saveiro | Voyage

MOTOR

Valeo: D7E56 | D7ES6 - Volkswagen: 02T911023Q

EQUIVALENTE / Equivalent

Valeo: 161039 | 170539 | 236896 | 494831 | 1201665

**1538****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Chrysler: Liberty 2.4L 2001... | Liberty 3.7L 2001... - Jeep: Cherokee 2.4 L4 | Cherokee 3.7 V6

MOTOR

Mitsubishi: M0T21271 | M0T91981 | M0T92081 | M1T86781 | M1T86782 | M1T86882 | M1T86883 | M0T21271ZC | M0T91981ZC | M0T92081ZC | M1T86781ZC | M1T86782ZC | M1T86883ZC | M1T86884ZC

EQUIVALENTE / Equivalent

Mitsubishi: M191T19071 - WAI: 548341

**1539****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Ford: Mondeo 2.4 | Transit 2.4

MOTOR

Ford: YC1U11000AB

EQUIVALENTE / Equivalent

WAI: 54221

**1545****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Chrysler: Dodge Neon | Neon II 1.6 - 2.0 16V - Citroën: C1 1.0 - Peugeot: 107 1.0 - Toyota: Aygo 1.0

MOTOR

Bosch: 0001107415 | 0001107431 | 0001107432 | 0001107438 | 0001107439 | 6004AA0003 | 6004AA0008 | 6004AA0027

EQUIVALENTE / Equivalent

Bosch: 1006209794 | 1006209810 | 1006209820 - Cargo: 235290 - Toyota: 280110Q020 - WAI: 5491102

**1547****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Toyota: Avensis 1.6 - 1.8 VV T - I | Corolla 1.4 - 1.6 VV T - I | Corolla 1.8i 16v 02/1999... | Fielder 1.8 16V

MOTOR

Bosch: 0001107088 | F000AL0106 | F000AL0118 | F000AL0144 - Toyota: 248100D100 | 281000D030 | 281000D100

EQUIVALENTE / Equivalent

Bosch: 1006209695 | F000AL1432 | F000AL1690 - Toyota: 280110D030

**1548****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Acura: EL 1.7L 2001...2005 - Honda: Civic 1.7L 2001...2005

MOTOR

AES New: 17847N | 17847NOE - AIM: SH0093R - Amsco: VS17847 - Arrowhead: SMU0404 - Beck Arnley: 1870804 - Bosch Reman: SR1319X - Boston Auto: 3191181 - Cargo: 113617 - Dixie: S80011 - Honda: 31200PLMA51 - Mitsuha: SM4423236 - Nastra: S17847 - NSA: STR3622 - Romaine: 4117847 - WAI: 22332MT  
Whatcom: 22958 - Worldwide: 17754

EQUIVALENTE / Equivalent

Honda: 31200PLM - WAI: 548502

**1550****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Agrale: Volare - Troller: T4

MOTOR

Bosch: 0001218821 | 0001218822 | 6033AD0J00 | 6033AD1J00 | 9000331433

EQUIVALENTE / Equivalent

Bosch: 6033AD0070

**1552****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Ford: F150 | F250 | Ranger

**1553****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

APLICAÇÃO / Application / Aplicación

Ford: Ranger V6



**1555****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

## APLICAÇÃO / Application / Aplicación

**Lexus:** ES250 6 cil 2.5L 2508cc 1990...1991 - **Toyota:** Camry 4 cil 2.0L 1998cc 1989...1991 | Camry 4 cil 2.0L 1998cc 122cid 1987...1991 | Camry 6 cil 2.5L 2508cc 1988...1991 | Celica 4 cil 2.0L 1998cc 1987...1989 | Celica 4 cil 2.0L 1998cc 122cid 1987...1993 | Celica 4 cil 2.2L 2164cc 1990...1993 | Hilux | Ipsum - **ZEN:** Utiliza Pinhão ZEN 9506

## MOTOR

**Nippon:** 1280007390 | 1280008400 | 1280009710 | 1280009720 | 2280000820 | 2280000822 | 2280000823 | 2280000830 | 2280000831 | 2280000832 | 2280001910 | 2280002500 | 2280003220 | 2280005490 | 2280005670 | 2280005680 | 2280006170 | 2280006172 | 2280006173 | 2280006270 | 2280006271 | 2280006272 | 2280006273 | 2280006280 | 2280006281 | 2280006283 | 2280009600

## EQUIVALENTE / Equivalent

**Nippon:** 0280906580 | 0280996580 - **Toyota:** 2801174070 - **WAI:** 548218

**1556****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 189

## APLICAÇÃO / Application / Aplicación

**Case:** CX27B V8 3TNV82 2005... | CX31B V8 3TNV88 2005... | CX36B V8 3TNV88 2005... - **Opel:** Astra F 1.7 td 01/1995...01/1998 | Corsa | Vectra A 1.7L T DSL 1994...1995 | Vectra B 1.7L T DSL 1995...1997 - **Vauxhall:** Astra F Estate 1.7L T DSL 1996...1998 | Vectra B 1.7L T DSL 1995...1996 - **Yanmar:** 2YM15 2 cil Diesel 2004... | 3JH3 3 cil Diesel 1999...2003 | 3JH3E 3 cil Diesel | 3JH3E-YEU 3 cil Diesel | 3JH4E 3 cil Diesel 2003... | 3TNE88 1997... | 3YM20 3 cil Diesel 2004... | 3YM30 1.1L/68CI 3 cil Diesel 2004... | 4JH3E 4 cil Diesel 1994...2003 | 4TNE88 1997... | Diesel 4JH-3

## MOTOR

**Hitachi:** S114808 | S114815 | S114883 | S114884 | S114814A | S114817A - **Lester:** 18219 | 18328

## EQUIVALENTE / Equivalent

**Hitachi:** 211425554

**1557****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Corsa - **Opel:** Astra G 1.7L TD 1988

## EQUIVALENTE / Equivalent

**Hitachi:** S114829

**1561****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

**Fiat:** Brava 1.6 16V | Marea | Palio 1.6 16v | Palio Weekend 1.6 16V | Siena 1.6 16V | Strada 1.6 16V

## MOTOR

**Magneti Marelli:** 63111016

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 220441

**1562****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

**Toyota:** Hilux 2.5 / 2.8 2006

## MOTOR

**Bosch:** 00010DB98E | F000AL0111 | F000AL0137 | F004A94008

## EQUIVALENTE / Equivalent

**Bosch:** 1006209821 | F000AL1281 | F000AL2281 | F000AL2814

**1563****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** A170 CDI 07/1998...01/2001 - **Mitsubishi:** L200 | Nativa | Pajero | Pajero 2.8 1997

## MOTOR

**Mitsubishi:** M8T70071 | M8T75073 | M8T78611 | ME202424 | ME202970 | ME204425 | M8T75073A | M008T75073

## EQUIVALENTE / Equivalent

**Mitsuba:** M191X68785 - **Mitsubishi:** M191T68771 | M191X68171 - **WAI:** 5483425

**1567****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Mitsubishi: L200 2.5 4WD | L300 | Pajero 2.5 td | Space Gear 2.5

## MOTOR

Mitsubishi: M2T87371 | M2T87971 | M2T88071 | M2T88271 | M002T87371 | M002T87971 | M002T88071 | M002T88271

## EQUIVALENTE / Equivalent

Mitsubishi: MD619204 | M191X68471 - WAI: 548344

**1570****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Especial/Special: Especial/Special

**1574****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Especial/Special: Especial

**1575****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

ZEN: Especial/Special

**1576****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Citroën: Berlingo 1.9 D | Berlingo 2.0 HDi | Jumper 1.9 D | Jumper 2.0 HDi - Peugeot: 206 1.9 D | 206 2.0 HDi | 307 2.0 HDi | Partner 1.9 D | Partner 2.0 HDi | Ranch 1.9 D | Ranch 2.0 HDi

## MOTOR

Bosch: 0001108400

## EQUIVALENTE / Equivalent

Bosch: 1006209812 - Lucas Indiel: 220443 - WAI: 5491147

**1585****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Ford: Ecosport 2.0 2004 | Escape 2.3L (140) L4 2005...2006 | Escape 4 cil 2005...2009 | Focus 2.3L (140) L4 2003...2006 | Ranger 2.3L (140) L4 2001...2006 - Jaguar: S-Type 3.0L 2000...2004 - Lincoln: LS 3.0L (182) V6 2000...2004 - Mazda: B Séries Pick Up 2.3L 2001...2006 | Tribute 2.3L 2005...2006 - Mercury: Mariner 2.3L (140) L4 2005...2006

## MOTOR

Ford: 3S4T11000AB | 3S4T11000AC | 3S4Z11002AB - Motorcraft: 6S4Z11002AA

## EQUIVALENTE / Equivalent

Ford: 1L5T11000AA - WAI: 54218

**1588****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Renault: R4 | R5 | R6

## MOTOR

Iskra: AZE0303 | AZE3504 | AZE3519 | 11130034 | 11130155 | 11130292

## EQUIVALENTE / Equivalent

Iskra: 16900068

**1597****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

## APLICAÇÃO / Application / Aplicación

Ford: Fiesta 1.2, 1.4, 1.6 16V | Focus 1.4, 1.6 16V

**1597****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

**MOTOR****Bosch:** 0001107407 | 0001107410 | 0001107417 | 0001107418**EQUIVALENTE / Equivalent****Bosch:** 1006209804 - **Ford:** 256U11000CA - **Lucas Indiel:** 220445 - **WAI:** 5491148**1605****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

**APLICAÇÃO / Application / Aplicación****Kia:** Pop Pride**EQUIVALENTE / Equivalent****Remy:** ESP281**1607****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

**APLICAÇÃO / Application / Aplicación****Hyundai:** H-1 2.5 TD - 2.5 TD 4WD | H100 | HR | Porter 2.5 TD - **Kia:** Bongo 2008 | K2500 2.5D | Pregio 2.5 TCID - **Mitsubishi:** Katana | L200 Diesel | Pajero Classic 2.5 TD | Pajero II 2.5 TD - 2.5 TDI | Pajero III 2.5 TDI | Pajero Pinin 2.0 GDI | Pajero Sport 2.5 TD - **Nissan:** Interstar 90 DCI - 100 DCI - 120 DCI | Primastar 150 DCI**Opel:** Movano 2.2 DTI - 2.5 DTI | Vivaro 2.5 DTI - **Renault:** Avantime 2.2 DCI | Espace IV 2.2 DCI | Laguna II 2.2 DCI | Laguna II Grandtour 2.2 DCI | Master 2010... | Master II 2.2 DCI 90 - 2.5 DCI 120 | Master III 2.5 DCI - 2.5 DCI 100 | Trafic II 2.5 DCI 135 | Velsatis 2.2 DCI**MOTOR****Valeo:** D8R1 | D7R34 | D7R53 | D7R56 | D7R57 | 438158 | 438162 | 438186 | 455899 | 455954 | 458172 | 458178 | DSL42350 | 3610042350 | TM000A36101 | 36100DSL42350**EQUIVALENTE / Equivalent****Cargo:** 231932 - **Hyundai:** 3616042300 - **Valeo:** 188993 | 594410 | 0809042 - **WAI:** 549456**1608****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Kodiak | Sierra 6.6L Diesel | Silverado 2001...2006 | Topkick Trucks 6.6L Diesel - **Hitachi:** Osgr 2.2KW 12v | OSGR 2.2KW 12v - **ZEN:** Utiliza Pinhão ZEN 13224**EQUIVALENTE / Equivalent****Cargo:** 235510 - **General Motors/Chevrolet:** 97209548 | 97720446 | 97729079 - **Hitachi:** S14100D | S14100E | S14101A | S14101B - **Isuzu:** 2902769300 | 8972095483 | 8973291631 | 8973828350 - **Lester:** 17801 - **WAI:** 548157**1612****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 190

**APLICAÇÃO / Application / Aplicación****Ford:** Ranger 1.8**EQUIVALENTE / Equivalent****Ford:** 32051112**1614****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

**APLICAÇÃO / Application / Aplicación****Ford:** Pick Up Lobo V6 - **Ssangyong:** Actyon 2.0 16V 2008...2012 | Kyron 2.0 16V TDI 2009...2015 | New Actyon Sport 2.0 16V 2007...2015 | Rexton II 2.7 16V TDI 2006...2012 | Rexton RX 270 2.7 16V XDI 2005 | Rexton W 2.7 16V XDI 2015**MOTOR****Remy:** 8000203 | 8000959 | 9000869 - **Ssangyong:** 66115141101**EQUIVALENTE / Equivalent****Remy:** 10452918**1615****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

**APLICAÇÃO / Application / Aplicación****Especial/Special:** Jeep (Company MM) MDI 3000**EQUIVALENTE / Equivalent****Lucas:** 26257341 - **Mahindra:** 4001115632A

**1616****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

**APLICAÇÃO / Application / Aplicación**

**Bedford:** TL 1000 330 | TL 1260 330 | TL 1630 330 Turbo (107 bhp) | TL 860 330 - **Case:** 1820 | ACCO1820 | TX36 - **JCB:** 420 / 430 | 4CX Turbocharged/Intercooled | 807C | 811 | 812 | 814 | 817 | 818 | 820 | Fastrac (635) 125 | Fastrac (635) 145 | JCB Fastrac (636) 125 | JCB Fastrac (636) 135 | JCB Fastrac (636) 155 | JCB Fastrac (636) 187 - **Landini:** 1000S A6.354.4 | 12500 A6.354.4 | 13000 A6.354.4 | 14500 AT6.354.4 | 65 A4.236 | 6560 F/L/V A4.236 | 6860 A4.236 | 6880 A4.236 | 75 A4.236 | 7560 F/L A4.236 | 7860 A4.236 | 7880 A4.236 | 85 A4.248 | 8560 F/L A4.248 | 8860 A4.248 | 8880 A4.248 | 9080 T4.236 | 95 T4.236 | 9880 T4.236 | C 75 A4.236 | C 85 A4.248 | C 95 T4.236 | CF 6830 A4.236 | CF 75 A4.236 | CF 85 A4.248 - **Mahindra:** Especial/Special - **Massey Ferguson:** MF 102 Perkins-A6.372 | MF 102 Perkins-AT6.354 | MF 105 | MF 1080 Perkins A4.318 | MF 1080 S-4RM Perkins A4.318 | MF 1085 A4.318 | MF 11 | MF 1100 Perkins A6.354 | MF 1104 | MF 1114 Perkins A6.354 | MF 1250 Séries Perkins A6.354.4 | MF 178 Perkins A4.248 | MF 186 | MF 201 | MF 205 | MF 206 | MF 207 | MF 30 D | MF 3060 / 3065 | MF 307 | MF 3070 Perkins AT4.236 | MF 374 S,V,F Perkins A4.236 | MF 394 S,F Perkins A4.248 | MF 487 | MF 50 10TD Perkins A4.236/A4.318 | MF 50 10TD/9TD Perkins A4.236/A4.212 | MF 50 9TD / EX Perkins A4.236 | MF 506 | MF 510 | MF 520 / 525 Perkins A6.354 | MF 592 / 595 Perkins A4.318 | MF 6150 1004-4THR | MF 6160 1006-6 | MF 620 / 625 Perkins A6.372 | MF 675 9TD/10TD Perkins A4.236 | MF 685 | MF 690 9TD/10TD Perkins A4.248 | MF 9500 Séries Perkins A6.354 | TX 45

**New Holland:** 158 | 175 | 2000 | 201 | 2514 E 256 C.I | 256 | 2600 | 2610 | 2810 | 2910 | 3000 | 3230 BSD332 | 3310 01.91 ...01/1991 | 3310X4 01.91 ...01/1991 | 3430 | 3600 | 3610 | 3900 | 3910 ...01/1991 | 3910 H | 3930 H | 4000 | 401C.I | 401C.I ...01/1991 | 4100 | 4130 H 4.4 | 444 01.91 ...01/1991 | 4600 | 4610 ...01/1991 | 4630 | 5000 | 550 | 555 | 5600 | 5610 ...01/1991 | 5640 Powerstar | 5700 | 5900 | 620 Combine ...01/1991 | 622 Combine ...01/1991 | 654 County | 655 A | 6600 | 6610 ...01/1991 | 6700 | 6710 ...01/1991 | 6810 | 7000 | 7410 | 754 County | 7600 | 7610 | 764 County | 7700 | 7710 ...01/1991 | 774 County | 7810 | 7910 | 8000 | 8200 ...01/1991 | 8260 Powerstar 7.5 | 8530 | 8600 | 8630 | 8700 | 8830 | 9000 | 910 Speed Power ...01/1991 | 912 Speed Power ...01/1991 | 944 County | 9600 | 964 County | 9700 | 974 County | BSD442 | M Série 7.5 ...09/1995 | NH 95 M8Y ...01/1996 | P357 e 358 ...01/1991 | Séries 10,L/Cab - **Renault Agri:** 70-12 SP Perkins 4.236 | 70-14 SP Perkins 4.236 | 70-32 PA/PE/PS/PX Perkins 4.236 | 70-34 PA/PE/PS/PX Perkins 4.236 | 701-4F Perkins 4.236 | 80-12 SP Perkins 4.248 | 80-14 SP Perkins 4.248 | 80-32 PA/PE/PS/PX Perkins 4.248 | 80-34 PA/PE/PS/PX Perkins 4.248 | Ceres 75 2X4/4X4 Perkins 4.236 | Ceres 75X 2X4/4X4 Perkins 4.236

**MOTOR**

**Iskra:** AZJ3144 | AZJ3148 | AZJ3151 | AZJ3182 | AZJ3198 | AZJ3201 | AZJ3203 | AZJ3205 | AZJ3206 | AZJ3212 | AZJ3248 | AZJ3306 | AZJ3315 | AZJ3352 | AZJ3357 | AZJ3445 | AZJ3447 | 11130509 | 11130520 | 11130526 | 11130579 | 11130624 | 11130627 | 11130629 | 11130631 | 11130632 | 11130659 | 11130711 | 11130875 | 11130890 | 11130998 | 11131018 | 11131626 | 11131635 - **Mahle:** MS49 | MS95 | MS149 | MS228 | MS267 | MS268 | MS273 | MS307 | MS343 | MS345 | MS346 | MS347 | MS357 | MS368 | MS374 | MS385

**EQUIVALENTE / Equivalent****Iskra:** 16901694 - **Mahle:** MSX734**1617****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

**APLICAÇÃO / Application / Aplicación****Ford:** Focus I4 Automático/Manual | Ranger Duratec HE 2.3**MOTOR****Lucas Indiel:** 35261260 | 35261295 | 35261640**EQUIVALENTE / Equivalent****Lucas Indiel:** 35261112 | 35262929**1619****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

**APLICAÇÃO / Application / Aplicación**

**Daewoo:** Musso 2.3 - **Mercedes Benz:** 190 1.8 | 190 2.0 | 190 2.0 E | 190 2.3 E | 190 2.5 16V | C 180 - 200 - Kompressor - 220 - 230 | C 230 Kompressor | CLK 200 - Kompressor | CLK 230 - Kompressor | E200 Kompressor - V200 - V230 | Sprinter 214 | Sprinter 314 | Sprinter 414 2.3 | Vito 2.0 113 - 114 - **Opel:** Astra 1.2 16V | Astra 1.4 16V | Astra 1.6 16V | Astra 1.6i | Corsa 1.0 12V | Corsa 1.2 16V | Corsa 1.4 16V | Corsa 1.6i | Corsa 1.8 16V | Meriva | Tigra | Vectra 1.4 16V | Vectra 1.6 16V

**Vauxhall:** Corsa 1.0 12V | Corsa 1.2 16V | Corsa 1.4 16V | Corsa 1.6i | Corsa 1.8 16V - **Volkswagen:** Passat Alemão

**MOTOR**

**Bosch:** 0001107401 | 0001107402 | 0001107403 | 0001107404 | 0001107405 | 0001107406 | 0001107408 | 0001107409 | 0001107421 | 0001107427 | 0001107428 | 0001107435 | 0001107436 | 0001107446 | 0001107447

**EQUIVALENTE / Equivalent****Bosch:** 1006209793 | 1006209801 | 1006209807 - **Cargo:** 234247 - **WAI:** 5491176**1620****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

**APLICAÇÃO / Application / Aplicación****Daewoo:** Damas**EQUIVALENTE / Equivalent****Remy:** 10475540

**1629****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

## APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** E 270 CDI | E 320 CDI | ML 270 CDI | S 320 CDI | Sprinter 2.3 2000...2003 | Sprinter 216 | Sprinter 316 | Sprinter 416 CDI

## MOTOR

**Bosch:** 0001223005 | 0001223006 - **Mercedes Benz:** 51512501

## EQUIVALENTE / Equivalent

**Bosch:** 6033AD0218**1630****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** Alfa Romeo 156 | Alfa Romeo 166 2.4 TD - **BMW:** BMW 325 | BMW 525 | BMW 725 - **Fiat:** Brava 1.9 TD | Bravo 1.9 TD | Marea 1.9 | Marea 2.4 TD**Lancia:** K 2.4 TD - **Opel:** Omega 2.5 TD

## MOTOR

**Fiat:** 46454895 | 46463250 - **Magneti Marelli:** 63114008 | 63114010 | 63222005

## EQUIVALENTE / Equivalent

**Fiat:** 9947748**1631****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

## APLICAÇÃO / Application / Aplicación

**Audi:** A4 2.5 TDI | A6 2.5 TDI | A8 2.5 TDI | Quattro - **Skoda:** Super B 2.5 TDI - **Volkswagen:** Passat 2.5 TDI | Syncro 4 Motion

## MOTOR

**Bosch:** 0001109021 | 0001109022 | 0001109066 | 0001109067

## EQUIVALENTE / Equivalent

**Bosch:** 1006209666 | 1006209936**1632****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

## APLICAÇÃO / Application / Aplicación

**Audi:** A3 1.6 - 1.6 FSI | A3 2.0 FSI - **Seat:** Altea 1.6 | Altea 2.0 FSI | Cordoba 1.2 | Cordoba 1.4 16V | Cordoba 1.6 | Ibiza 1.2 | Ibiza 1.4 16V | Ibiza 1.6 | Stella - **Skoda:** Fabia 1.2 | Fabia 1.4 16V - **Volkswagen:** Beetle 2005... 2009 | Bora 1.6 FSI | Bora 2.0 FSI | Caddy 1.4 | Golf 2005... 2009 | Golf 1.4 16V - 1.4 FSI - 1.6 FSI - 2.0 FSI | Jetta 2005... 2009 | Multivan 2.0 | Polo 1.4 16V - 1.4 FSI | Touran 1.6 - 1.6 FSI - 2.0 FSI | Transporter 2.0

## MOTOR

**Bosch:** 0001120400 | 0001120401 | 0001120404 | 0001120405 | 0001120406 | 0001120407 | 0001120408 | 0001120409 | 0001120410 | 0001120411 | 0001121408 | 0001121409 | 0001121410 | 0001121411 | 0001122400 | 0001122401

## EQUIVALENTE / Equivalent

**Bosch:** 1006209806**1635****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

## APLICAÇÃO / Application / Aplicación

**Ford:** F1000 Maxion HS 4 cil 2.5 | Ranger Maxion HS 4 cil 2.5 - **General Motors/Chevrolet:** Blazer Maxion HS 4 cil 2.5 | S10 Maxion HS 4 cil 2.5 - **International:** Matra Maxion HS 4 cil 2.5 | Retroescavadeira Maxion HS 4 cil 2.5 - **Land Rover:** Defender Gemini III 4 cil 2.5 | Discovery Gemini III 4 cil 2.5 - **Mercedes Benz:** Sprinter Maxion HS 4 cil 2.5 - **Troller:** T4

## MOTOR

**Lucas Indiel:** 35258490 | 35258660 | 35259040 | 35259400 | 35260828

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 229023**1642****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

## APLICAÇÃO / Application / Aplicación

**Citroën:** Jumper - **Fiat:** Ducato - **Ford:** Transit - **Land Rover:** Defender 2.4 TD4 2007... - **Peugeot:** Boxer | Boxer 2.2 HDI 2006...2011

## MOTOR

**Bosch:** 0001109205 | 0001109304 | 0001109305 | 0001109324 | 0001109325 | 0001109387 | 0001109388 | 0001109391 | 0001109392 | 0986021810 - **Cargo:** 330265

**1642****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

EQUIVALENTE / Equivalent

Bosch: 1006209824 | 1006210128 | 1006210146

**1643****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

APLICAÇÃO / Application / Aplicación

Citroën: Jumper - Peugeot: 406 | 605 | 607 | 807 | Boxer 2.5 TDi 1994...2002

MOTOR

Bosch: 0001223001 | 0986016950

EQUIVALENTE / Equivalent

Bosch: 6033AD0004

**1646****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

APLICAÇÃO / Application / Aplicación

Mazda: Mazda B-2000

EQUIVALENTE / Equivalent

Mazda: F8RU88D004

**1650****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

APLICAÇÃO / Application / Aplicación

Citroën: Jumper 2.8 HDI | Relay 2.8 HDI - Fiat: Ducato 2.3 e 2.8 JTD - Fiat Iveco: Daily III 2.4 e 2.8 | Microônibus City Plus 2009 - Peugeot: Boxer 2.8 HDI

MOTOR

Bosch: 2164 | 0001109300 | 0001109301 | 0001109306 | 0001109307 | 0986021640 - Citroën: 5802AQ - Fiat: MSN2026 | 63521093 | 1347058080 - Iveco: 55195970

Lucas Indiel: LRS2223 | LRS02223 - Peugeot: 5802AQ

EQUIVALENTE / Equivalent

Bosch: 1006209818 | 1006209964 | 1006210111 | 1006210149 - Cargo: 237667 - Iveco: 50053567 | 500053567 - WAI: 5491194

**1655****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 191

APLICAÇÃO / Application / Aplicación

Audi: S 3 Quattro | TT Coupe 1.8 - Linde: Empilhadeira - Seat: Alhambra 1.9 TDI | Cupra 4 | Lean 1.8 | Lean 2.8 V6 - Volkswagen: Bora 1.9 TDI | Caravelle 2.5 e 2.8 TDI | Golf 1.9 TDI | Sharan 1.9 TDI

MOTOR

Bosch: 0001125016 | 0001125017 | 0001125018 | 0001125019 | 0001125046 | 0001125047 | 0001125048 | 0001125049 | 0001125605 | 0001125606

EQUIVALENTE / Equivalent

Bosch: 1006209681 | 1006209943

**1666****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

APLICAÇÃO / Application / Aplicación

Fiat: Doblo | Idea | Marea | Novo Uno | Palio | Strada

MOTOR

Bosch: F000CD0001 | F000CD0900 | F000CD0901 | F000CD0903 | F000CD0905 - Fiat: 51888915 | 51950819

EQUIVALENTE / Equivalent

Bosch: F000CD1009 | F000CD1444 - Fiat: 51888915

**1674****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

APLICAÇÃO / Application / Aplicación

Renault: Logan | Megane 2008... | Sandero

MOTOR

Bosch: F000CD0002 | F000CD0202 | F000CD0A02

EQUIVALENTE / Equivalent

Bosch: F000CD1114 | F002G20709

**1675****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

Ford: F250 2002... | F350 2002... | F4000 Cummins ...02/2009

**MOTOR**

Bosch: F000AL0130 | F000AL0151 - Ford: 7C3511001AA

**EQUIVALENTE / Equivalent**

Bosch: F000AL2638

**1676****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

Ford: 3,6 Kw | Ford F series diesel

**MOTOR**

Ford: SA1004 | BC3Z11002A | 2C3T11000AA | 7C2T11000BA | 7C3T11000AA | 7C3T11000AB | 7C3T11000BA | 7C3Z11002AA | BC3T11000AB - Lester: 6696

**EQUIVALENTE / Equivalent**

Ford: VP7C3U11350AB - WAI: 54229

**1677****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

Ford: Edge V6 3.5L 3496cc 213cid 2007...2016 | Edge V6 3.7L 3726cc 227cid 2011...2014 | Explorer V6 3.5L 3490cc 213cid 2013 | Explorer V6 3.5L 3496cc 213cid 2011...2016 | Flex V6 3.5L 3496cc 213cid 2009...2016 | Lincoln MKS V6 3.5L 3490cc 213cid 2011...2012 | Lincoln MKS V6 3.5L 3496cc 213cid 2010...2016 | Lincoln MKS V6 3.7L 3726cc 227cid 2009...2016 | Lincoln MKT V6 3.5L 3496cc 213cid 2010...2016 | Lincoln MKT V6 3.7L 3726cc 227cid 2010...2016 | Lincoln MKX V6 3.5L 3496cc 213cid 2007...2010 | Lincoln MKX V6 3.7L 3726cc 227cid 2011...2016 | Lincoln MKZ V6 3.7L 3726cc 227cid 2013...2016 | Mercury Sable V6 3.5L 3496cc 213cid 2008...2009 | Police Interceptor Sedan V6 3.5L 3496cc 213cid 2013...2016 | Police Interceptor Sedan V6 3.7L 3726cc 227cid 2013...2016 | Taurus V6 3.5L 3496cc 213cid 2008...2016 | Taurus X V6 3.5L 3496cc 213cid 2008...2009

**MOTOR**

Ford: 8G1Z11002A | 8G1Z11002B | 8G1T11000AA | 8G1T11000AB | VP8G1U11350AA

**1680****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

General Motors/Chevrolet: Omega CD 4.1

**MOTOR**

Remy: 10455711

**EQUIVALENTE / Equivalent**

Mitsubishi: 15171 | M191T15171

**1681****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

Tata: Indica

**EQUIVALENTE / Equivalent**

Tata: 26245134

**1684****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

Ford: Especial/Special Cummins | F250

**MOTOR**

Ford: 2C3511001BA | XC3511000CA | XC3U11000CA - Lucas Indiel: 35259900 | 35261760 | 35262570

**EQUIVALENTE / Equivalent**

Lucas Indiel: 35260967

**1685****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

**Audi:** A1 2.0 TFSI quattro 2012 | A3 1.8 TFSI Sportback 06/2007...06/2008 - **Fiat:** Bravo E-Torq 1.6 e 1.8 16v | Doblo E-Torq 1.6 e 1.8 16v | Grand Siena 1.6 16v | Idea Adventure 1.8 16 V | Palio E-Torq 1.6 e 1.8 16v | Punto E-Torq 1.6 e 1.8 16v | Strada E-Torq 1.6 e 1.8 16v - **Volkswagen:** Eos 2.0 FSI 09/2007...05/2008 | Jetta 2.0 Total Flex 10/2010... | Jetta 2.0 TSI 10/2010... | Jetta 2.5 07/2007...10/2010 | Jetta Variant 2.5 06/2008...12/2012 | Passat 2.0 FSI 03/2005...07/2010 | Passat 2.0 TSI 11/2005...02/2008 | Tiguan 2.0 TSI 4Motion 11/2007...05/2011

**MOTOR****Bosch:** 0001121402 | 0001121403 | 0001121412 | 0001121429 | 0001121430 | 0001121439 | 0001121440 | 0001122402 - **Fiat:** 51865316**EQUIVALENTE / Equivalent****Bosch:** 1006209813 | 1006210241**1686****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación****Ford:** Courier 2010... | Fiesta 2010... | Ka 2010...**MOTOR****Ford:** FS10B1 | 7S5511000AA | 7S5511000AB**EQUIVALENTE / Equivalent****Valeo:** 60910 | 101310 | 501446 | 1201856**1690****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

**CBT:** 8240 4.248 JF 12v ...01/1984 - **General Motors/Chevrolet:** Série D - d20 Plus Maxion S4T JF 12V ...03/1992... 10/1996 - **Massey Ferguson:** MF 1630 A 6.354-4 e 1630 A 4284 JF 12V ...01/1981 | MF 3640 A 6.358 A JF 12V ...01/1973 | MF 3640 Perkins 1006-6 JF 12V ...05/1996 | MF 5650 A 6.354.4 JF 12V ...01/1982 | MF 5650 Perkins 1006-6T JF 12V ...05/1996 | MF 5650 Turbo AT 6.354.4 JF 12V ...03/1988 | MF 6845 Perkins 1006-6T JF 12V ...12/1994 | MF 6855 Perkins 1006-6TW JF 12V ...10/1993 | MF 6865 Perkins 1006-6T JF 12V ...09/1994 - **Maxion:** Ideal 9075 Perkins 1006-6 JF 12V ...09/1994 | Ideal 9090 Perkins 1006-6T JF 12V ...10/1993 | Ideal 9090 Perkins 1006-6TW JF 12V ...12/1994 - **Mercedes Benz:** OF 1113 OM 366 JF 12V ...09/1987 | OH 1113 OM 366 A JF 12V ...01/1988 | Série 9 T - 917 OM 366 A JF 12V ...01/1988

**MOTOR****Bosch:** F000AL0135**EQUIVALENTE / Equivalent****Bosch:** F000AL2712**1691****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

**Ford:** Cargo C 1216 6BT 1993... | Cargo C 1412 6BTA 1999... | Cargo C 1416 6BT 1993... | Cargo C 1617 6BTAA 1993... | Cargo C 1621 6BTAA 1999... | F 4000 4BT 1996...1998 - **Mercedes Benz:** L 1113 OM 352 1974... | L 1116 OM 352 A 1978... | L 1117 OM 352 A 1983... | L 1117 OM 366 LA 8 1987... | L 1316 OM 352 A 1982... | L 1317 OM 352 A 1983... | L 1319 OM 366 LA 1987... | L 1516 OM 352 A 1982... | LA 1113 OM 352 1983... | LA 1117 OM 352 A 1983... | LP 1219 OM 366 LA 1988... | LP 1419 OM 366 LA 1988... - **Volkswagen:** 12.170 BT 6BTAA 1997...2000 | 13170 6BTAA 2000...2001 | 13190 6BTAA 2001... | 14.170 BT 6BTAA 1997...2000 | 15170 6BTAA 2000...2001 | 16.170 6C 1993...2000 | 16200 6BTAA 1997...2000 | 17210 6BTAA 2000...

**MOTOR****Bosch:** F000AL0138 | F000AL0139**EQUIVALENTE / Equivalent****Bosch:** F000AL2721**1695****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación****Kia:** Ceed Diesel | Cerato Diesel | Picanto Diesel | Rio Diesel | Soul Diesel**EQUIVALENTE / Equivalent****Kia:** 361452A000**1702****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación****Nissan:** Primera 2.0 2002... | Xtrail 2.0 | XTrail 2.5



**1702****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**MOTOR**

**Mitsubishi:** M1M70881 | M1M74181 | M1T70881 | M1T74181 | M1T77581 | M1T70881A | M1T74181A | N31818400 | N32718400 | N3A118400 | N31818400A | N31818400B | N32718400A | N3A1184400 - **Nissan:** 82881 | 87081

**EQUIVALENTE / Equivalent**

**Cargo:** 236752 - **Mitsubishi:** N31818X25 | M191X16371

**1704****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

**Daewoo:** Matiz

**MOTOR**

**Daewoo:** 93741000 | TM300C10201

**EQUIVALENTE / Equivalent**

**Daewoo:** 31871

**1705****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 192

**APLICAÇÃO / Application / Aplicación**

**Ssangyong:** Actyon 200 XDI | Kyron XDI 2.0 | Rexton 270 XDI

**MOTOR**

**Ssangyong:** 6611513801 - **Valeo:** TM000A34001

**1706****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** I20 1.4 | I30 1.4/1.6 2009... | IX20 1.4/1.6 2011... | IX35 1.4/1.6 2010... - **Kia:** Carens II CWT 1.6 | Ceed 1.4/1.6 2006... | ProCeed 1.4/1.6 2006... | Soul CWT 1.6 | Sportage 1.6 2010... | Venga 1.4/1.6 2006... - **Mitsubishi:** Galant | L200 | Lancer | Montero 3.0 - 3.5 | Pajero 3.0 - 3.5 - 3.8 | Pajero TR4 | PT Cruiser GT 2.4

**MOTOR**

**Mitsubishi:** MOT20471 | MOT20472 | MOT30672 | MOT30771 | MOT35171 | MOT36071 | M000T20471 | M000T20472 | M000T20672 | M000T30672 | M000T30771 | M000T32572 | M000T35171 | M000T36071

**EQUIVALENTE / Equivalent**

**Cargo:** 331730 - **Mitsubishi:** 15871 | M191T15871 | M191X15871 - **WAI:** 548347

**1708****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Almera 1.5 16V - 1.8 16V | Micra | Primera 1.6 16V - 1.8 16V | Tino 1.5 16V - 1.8 16V

**MOTOR**

**Bosch:** 0001107092 | 0001107093 | 0001116006

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209714 | 1006209934 | 1006209952 | 1006210117 | 1006210125 | 1006210147 | 1006210154 - **Cargo:** 235200

**1712****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** Fox | Gol G5 | Golf 2010...2014 | Kombi 2013...2014 | Saveiro | Spacefox | Voyage

**MOTOR**

**Bosch:** F000CD0100 | F000CD0800 | F000CD0801 | F000CD08A0 | F000CD08A1 - **Volkswagen:** 5U0911023 | 5U0911335 | 7X0911023B

**EQUIVALENTE / Equivalent**

**Bosch:** F000CD1117

**1714****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Ford:** C-Max 2000 2007...2010 | Focus C Max 2000 2003...2007 | Focus II 2000 2004...2008 | Galaxy 2000 2006...2008 | Galaxy 2200 2008...2010 | Kuga 2000 2008...2010 | Mondeo Mk4 2000 2007...2010 | S Max 2000 2006...2008 | S Max 2200 2008...2010 - **Volvo:** C30 2000, D4204T 2006...2008 | C70 II 2000, D4204T 2006...2008 | S40 2000, D4204T 2004...2010 | V50 2000, D4204T 2004...2010

**MOTOR**

**Ford:** 1469721 | 3M5T11000CC | 3M5T11000CD | 3M5T11000CE | 3M5T11000DC | 4M5T11000FA | 4M5T11000FB | 4M5T11000FC | 4M5T11000FD | 6G9N11000FA

**EQUIVALENTE / Equivalent**

**Cargo:** 236876 - **WAI:** 54227

**1715****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Tata:** Ace | Indigo

**EQUIVALENTE / Equivalent**

**Tata:** 26258286

**1716****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Mahindra:** Bolero SLE e SLX Mdi 3.2 Lts Diesel | Jeep Scorpio

**EQUIVALENTE / Equivalent**

**Lucas:** 26245621

**1717****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Mahindra:** Scorpio - **Tata:** Indica | Safari Diesel | Safari Petrol

**EQUIVALENTE / Equivalent**

**Lucas:** 26256675

**1718****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 156 1.9 JTD - **BMW:** BMW 320, Séries X3,X5 - **Fiat:** Multipla 1.9 JTD

**MOTOR**

**BMW:** 12417788680 | 12417788682 - **Magneti Marelli:** 63113001 | 63113002 | 63113004 | 63193001 | 63280071

**EQUIVALENTE / Equivalent**

**Cargo:** 231899 | 332145

**1720****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**BMW:** Série 1 | Série 3 | Série 5 | Série 6 | Série 7 | X1 | X3 2.0 2.5 e 3.0 | X5 | X6 | Z4 2.2 2.5 e 3.0 - **Toyota:** Auris 1.2 Turbo 2015... | Auris 1.4 2007...2009 | Auris 1.6 2006...2012 | Auris E15 1.8 2009...2012 | Auris i E15 1.8 2007... | Auris Touring Sports 1.6 Turbo 2013... | Avensis 1.6 e 2.0 2008...2018 | Aygo 1.0 2005...2014 | Celica | Corolla 1.4 2002...2007 | Corolla 1.6 2002...2007 | Corolla 1.6 2013...2019 | Corolla 1.8 2013...2019 | Corolla Verso 1.6 16V 2010... | Verso 1.6 e 1.8 16V 2009.... | Yaris 1.4 2005...2011

**MOTOR**

**BMW:** 12417515390 | 12417515391 | 12417524843 | 12417610348 - **Bosch:** 0001107423 | 0001107424 | 0001107425 | 0001107426 | 0001107433 | 0001107434 | 0001107442 | 0001107443 | 0001107448 | 0001107449 | 0001107514 | 0001107525 | 0001107526 | 0001107529 | 0001107530 | 0001107531 | 0001122201 - **Toyota:** 281000D130 | 281000N010 | 281000Q021 | 281000T030 | 281000T090 | 281000Q02100

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209799 | 1006209826 | 1006209981 | 1006209982 | 1006210235 - **WAI:** 549105

**1722****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Daihatsu:** Rocky F80 - **Especial/Special:** Motocicletas - **JCB:** Escavadeira - **Mazda:** B2200 - **Toyota:** 2S | 2Y | 2Y 2.2 | 3Y | Camry | Carina | Celica | Corolla | Dyna | Hilux | JR 7 | MR 2 | Tercel - **ZEN:** Utiliza Pinhão ZEN 9186

**MOTOR**

**Daihatsu:** 2810072010 - **Ishikawajima:** 185086240 | 185086340 - **Kubota:** 1550463011 | 1574163011 - **Nippondenso:** 280004010 | 280004343 | 280004450 | 280005900 | 280005912 | 280006001 | 280006120 | 280006332 | 280006362 | 280006450 | 280006930 | 280007321 | 280007392 | 280007560 | 280007620 | 280008050 | 280008060 | 280008220 | 280008261 | 280008290 | 280008320 | 280008850 | 280009070 | 280009260 | 280009380 | 280009711 | 280009720 | 280009860 | 280000101 | 1280000220 | 1280000230 | 1280000500 | 1280000510 | 1280001370 | 1280001440 | 1280001441 | 1280001520 | 1280001630 | 1280002060 | 1280003340 | 1280003350 | 1280003590 | 1280003670 | 1280003990 | 1280004420 | 1280005110 | 1280005261 | 1280005410 | 1280005700 | 1280005780 | 1280005781 | 1280005840 | 1280005850 | 1280007090 | 1280007100 | 1280007330 | 1280007680 | 1280007690 | 1280007912 | 1280008070 | 1280008080 | 1280008240 | 1280008560 | 2280000311 | 2280000580 | 2280000960 | 2280001100 | 2280001110 | 2280001710 | 2280002020 | 2280002121 | 2280002300 | 2280002610 | 2280002620 | 2280002682 | 2280002691 | 2280002701 | 2280002760 | 2280002770 | 2280002851 | 2280002880 | 2280003200 | 2280003290 | 2280004320 | 2280004330 - **Toyota:** 2810010040 | 2810010060 | 2810013010 | 2810015020 | 2810015040 | 2810015070 | 2810015130 | 2810015180 | 2810016020 | 2810016080 | 2810016110 | 2810027010 | 2810027030 | 2810027050 | 2810027060 | 2810031010 | 2810034060 | 2810034080 | 2810034100 | 2810041060 | 2810042040 | 2810042050 | 2810044030 | 2810044050 | 2810045033 | 2810045050 | 2810051031 | 2810060070 | 2810063020 | 2810063050 | 2810072010 | 2810072020 | 2810072030 | 2810072040 | 2810072050 | 2810072060 | 2810072070 | 2810072090 | 2810072100 | 2810072110 | 2810073010

**EQUIVALENTE / Equivalent**

**Cargo:** 132004 - **Honda:** 31204657617 - **Ishikawajima:** 185866150 - **Isuzu:** 8941291870 - **Kubota:** 1550463041 - **Lester:** 16248 | 16251 | 16578 | 16586 | 16600 | 16612 | 16674 | 16735 | 16736 | 16737 | 16759 | 16760 | 16761 | 16786 | 16790 | 16802 | 16821 | 16823 | 16825 | 16826 | 16827 | 16828 | 16829 | 16831 | 16833 | 16834 | 16837 | 16878 | 16892 | 16895 | 16906 | 16911 | 16913 | 17002 | 17003 | 17027 | 17125 | 17143 | 17171 | 17240 | 17251 | 17256 | 17345 | 17420 | 17422 | 17481 | 17487 | 17521 | 17530 | 17537 | 18181 | 18182 - **Nippondenso:** 0283001600 | 0283001601 | 0283001602 | 0283001603 | 0283001790 | 0283001791 | 0283001800 | 0283002000 | 0283002110 | 0283002111 | 0283002270 | 0283003630 | 0283003631 | 0283004160 | 0283006940 - **Toyota:** 2801120540 | 2801126041 | 2801126042 | 2801135030 | 2810110710 - **Unipoint:** SD5053

**1723****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Subaru:** Brat H4 1.8L 1781cc 1980...1983 | DL H4 1.6L 1595cc 1981...1983 | DL H4 1.8L 1781cc 1980...1983 | GL H4 1.8L 1781cc 1980...1983 | GL H4 1.8L 1781cc wo/Turbo 1985...1989 | GL-10 H4 1.8L 1781cc wo/Turbo 1985...1989 | GLF H4 1.8L 1781cc VIN 4 1981...1982 | RX H4 1.8L 1781cc 1985...1989 | Standard H4 1.8L 1781cc VIN 5 1981...1982 | Standard H4 1.8L 1781cc VIN 5 1987

**MOTOR**

**Denso:** 280008580 | 1280002830 | 1280007200 | 1280007770 - **Unipoint:** STR8044

**EQUIVALENTE / Equivalent**

**Denso:** 0280993150 | 0283005701 - **WAI:** 5482403

**1727****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Armada 2.4WD | Sentra 1.8 | Terrano 2.4WD

**EQUIVALENTE / Equivalent**

**Mitsubishi:** M191T23371

**1734****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Honda:** Civic 2006... | CRV

**MOTOR**

**Honda:** 4280005010 - **Nippondenso:** 4280003410 | 4280005011 | 4280005290

**EQUIVALENTE / Equivalent**

**Nippondenso:** 0283008870

**1735****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

**APLICAÇÃO / Application / Aplicación**

**Renault:** Clio | Duster 1.6 | Fluence | Kangoo | Laguna 1.6 16V | Megane 1.6 16V | Sandero | Scenic 1.6 16V

**MOTOR**

**Nissan:** 233001105R - **Valeo:** FS10B3

**1735****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

EQUIVALENTE / Equivalent

Valeo: 501490 | 1201728

**1740****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

APLICAÇÃO / Application / Aplicación

Mercedes Benz: K6 | Sprinter

MOTOR

Bosch: 0001108409 | 0001108410 | 0001108441 | 0001108442 | F000AL0901 | F000AL0903

EQUIVALENTE / Equivalent

Bosch: F000AL2824

**1741****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 193

APLICAÇÃO / Application / Aplicación

Volkswagen: Gol G4

MOTOR

Bosch: 5W0911023 | F000CD0802 | F000CD08A2

EQUIVALENTE / Equivalent

Bosch: F000CD1315

**1745****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Agile 1.4 | Celta 1.0 | Classic 1.0 | Cobalt 1.4 e 1.8 | Cruze 1.8 | Montana 1.4 | Novo Prisma LT e LTZ Com Motor 1.0L e 1.4L SPE/4 (SOCH) 2013...2018 | Onix Com Motor 1.0 e 1.4 SPE/4 (SOCH) 2013...2018 | Spin 1.8

MOTOR

General Motors/Chevrolet: 24579009 - Remy: 8000444 | 8000660

EQUIVALENTE / Equivalent

Remy: 10524174

**1752****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

APLICAÇÃO / Application / Aplicación

Citroën: Berlingo | C3 | Xsara Picasso - Fiat: 1.9 JTD MJ | 500 | Doblo 1.3 | Fiorino | Grande Punto | Idea | Linea 1.3 D Multijet | Qubo 1.3 D Multijet - Lancia: Musa 1.3 - 1.9 JTD MJ | Ypsilon - Maruti: Dzire | Swift | SX4 - Mercedes Benz: Classe A 140 - 160 - Opel: Agile | Astra H GTC 1.3 CDTI | Corsa D | Meriva | Tigra 1.3 CDTI Peugeot: 206 | Partner | Ranch - Renault: Clio | Kangoo - Tata: Manza | Vista

MOTOR

Citroën: 9648644680 - Suzuki: 31100M86J10 | 31100M86J11 | 31100M86J12 - Valeo: D6G1 | D6G3 | D6G5 | D6G32 | D6G33 | D6G98

EQUIVALENTE / Equivalent

Valeo: 191601 | 192978 | 406575 - WAI: 549455

**1755****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

APLICAÇÃO / Application / Aplicación

Citroën: C3 2010... | C4 2010... - Fiat: 500 1.4 Fire 2009... | Doblo 1.3 Fire 2001...2006 | Doblo 1.4 Fire 2009...2016 | Fiorino 1.3 Fire 2004...2012 | Fiorino 1.4 Fire Fly 2013... | Grand Siena 1.4 Fire 2012...2016 | Idea 1.4 Fire 2010...2016 | Mobi 1.0 Fire 2016... | Palio 1.4 Fire 2005...2017 | Palio Weekend 1.4 Fire 2005...2010 | Uno 1.4 Fire 2010...

Peugeot: 2008 Motor EC5 1.6 2015... | 206 Motor TU3 1.4 2004...2010 | 207 Motor TU5 1.6 2008...2014 | 208 Motor TU4 1.5 2013...2016 | 307 Motor TU5 1.6 2002...2011 | 308 Motor EC5 1.6 2012 | Hoggar Motor TU3 1.4 2010...2014 | Partner Motor TU5 1.6 2005...2007 - Renault: Logan | Sandero 1.0 2012...

MOTOR

Citroën: 9807775680 - Nissan: 233000799R - Valeo: 495105 | FS10B4 | TSC1010 | TSC1015

EQUIVALENTE / Equivalent

Valeo: 501493 | 501496 | 1200580 | 1206998

**1756****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Dacia:** Logan 2004 | Logan Express 2009 | Logan MCV 2007 | Logan Pick Up 2008 - **Ford:** Fiesta 1.3, 1.4 e 1.6 1995...2008 | Focus 2013... - **Renault:** Clio Grandtour 2008 | Clio II 1998 | Clio II Box 1998 | Clio III 2005 | Grand Scenic II 2004 | Kangoo 1997 | Kangoo Express 1997 | Kangoo Express 2008 | Laguna III 2007 | Laguna III Grandtour 2007 | Logan Estate 2007 | Megane III Coupe 2008 | Megane III Grandtour 2008 | Megane III Hatchback 2008 | Megane CC 2010 | Megane II 2002 | Megane II Coupe-Cabriolet 2003 | Megane II Estate 2003 | Megane II Saloon 2003 | Modus 2004 | Scenic II 2003 | Thalia 1998 | Twingo 2007

**MOTOR**

**Dacia:** 7711497567 | 8200306595 | 8200836473 - **Ford:** 8A3911000BF | 8V2111000BC | 8V2111000BD | 8V2111000BE - **Mitsubishi:** M0T87881 | M000T87881 - **Remy:** DRS3985 - **Renault:** 233003329R - **Valeo:** TS12E9 | TS12E10 | 8V2111000BC | 8V2111000BD | 8V2111000BE

**EQUIVALENTE / Equivalent**

**Valeo:** 195041 | 195334 | 438224 | 458388

**1757****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Renault:** Duster 2.0 | Grand Scenic III 1.9 dCi | Megane III 1.9 dCi | Scenic III 1.9 dCi

**MOTOR**

**Bosch:** 0001107477 | 0001108428 | 0001108429

**EQUIVALENTE / Equivalent**

**Bosch:** 1006209849 | 1006209940

**1758****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.6 HDI | C2 1.6 HDI | C3 1.6 16V HDI | C4 1.6 HDI | C5 1.6 HDI | Xsara Picasso 1.6 HDI - **Peugeot:** 1007 1.6 HDI | 206 1.6 HDI | 207 1.6 HDI | 307 1.6 HDI | 308 1.6 HDI | 407 1.6 HDI | Expert 1.6 HDI | Partner 1.6 HDI | Partner Teepee 1.6 HDI

**MOTOR**

**Valeo:** TS22E26

**EQUIVALENTE / Equivalent**

**Valeo:** 157391 | 193751

**1759****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Honda:** City | Fit

**MOTOR**

**Nippondenso:** 4280005800

**1761****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Cadillac:** Escalade V8 6.2L 2015...2016 - **General Motors/Chevrolet:** Silverado 1500 V6 4.3L 2014...2016 | Silverado 1500 V8 5.3L 2014...2016 | Silverado 1500 V8 6.2L 2014...2016 | Suburban V8 5.3L 2015...2016 | Tahoe V8 5.3L 2015...2016 - **GMC:** Sierra 1500 V6 4.3L 2014...2016 | Sierra 1500 V8 5.3L 2014...2016 | Sierra 1500 V8 6.2L 2014...2016 | Yukon V8 5.3L 2015...2016 | Yukon V8 6.2L 2015...2016 | Yukon XL V8 5.3L 2015...2016 | Yukon XL V8 6.2L 2015...2016 - **Nissan:** March 1.6 | Versa

**MOTOR**

**General Motors/Chevrolet:** 12655055 | 183117860 - **Lester:** 10910 - **Mitsubishi:** M0T24072 | M000T24072 | M000T32175ZC - **Nissan:** 233001HK0A

**EQUIVALENTE / Equivalent**

**Mitsubishi:** M191T15271

**1762****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Cube 1.8 | Kicks 1.6 2016...2021 | Livina | Sentra 2.0 | Tiida 1.8 | Xtrail 2.0

**MOTOR**

**Hitachi:** S114902A | S114902B | S114954B - **Nissan:** 233005RB0A | 23300EE01E | 23300EN20A | 23300EN20B

**1763****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.1, 1.4 e 1.6 | C2 1.1, 1.4 e 1.6 | C3 1.1, 1.4 e 1.6 | Saxo 1.0, 1.1, 1.4 e 1.6 | Xsara 1.4 e 1.6 | Xsara Picasso 1.6 - **Renault:** Clio III 1.1 e 1.2 | Kangoo 1.2 e 1.2 16V

**MOTOR****Valeo:** TS8E2 | TS8E6**EQUIVALENTE / Equivalent****Valeo:** 193512 | 594726**1764****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Ford:** Fusion L4 2.3L 140cid 2006...2009 | Fusion L4 2.5L 2488cc 152cid 2010 | Ranger 2.5 Duratec 2012...2016 - **Mazda:** 3 L4 2.0L 1998cc 122cid VIN F 2012 | 3 L4 2.0L 1998cc 122cid VIN G 2012 | 3 L4 2.0L 1999cc 122cid 2010 | 3 L4 2.0L 1999cc 122cid VIN F 2011...2012 | 3 L4 2.0L 1999cc 122cid VIN G 2011...2012 | 3 L4 2.0L 2000cc 122cid 2010 | 3 L4 2.0L 2000cc 122cid VIN F 2011...2012 | 3 L4 2.3L 2260cc 2004...2009 | 3 L4 2.3L 2260cc 138cid 2006 | 5 L4 2.3L 2260cc 2006...2010 | 5 L4 2.3L 2260cc 138cid 2007...2010 | 6 2.3L Non-Turbo, Gas (L3) 2003 | 6 2.3L Non-Turbo, Gas (L3) 2006...2007 | 6 2.3L Non-Turbo, Gas (L3) 2009 | 6 L4 2.3L 2260cc 2003...2005 | 6 L4 2.3L 2260cc 2008 | 6 L4 2.3L 2260cc 138cid 2008 | 6 L4 2.3L 2260cc 138cid w/Turbo 2006...2007 | 6 L4 2.3L 2260cc w/Turbo 2006...2007 | 6 L4 2.5L 2488cc 152cid 2009...2010 | CX-7 L4 2.3L 2260cc 2007...2009 - **Mercury:** Milan L4 2.3L 140cid 2006...2009 | Milan L4 2.5L 2488cc 152cid 2010 - **Nissan:** Altima L4 2.4L 2389cc 2001 | Armada V8 5.6L 5552cc FLEX 2010...2014 | Frontier V6 3.3L 3275cc 2002...2004 | Titan V8 5.6L 5552cc FLEX 2011...2014 | XTerra V6 3.3L 3275cc 2002...2004

**MOTOR**

**Ford:** 6E5T11000AB | AB3911000CA - **Mitsubishi:** M0T37671 | M0T87681 | M0T87781 | M0T88481 | M0T90685 | MT87781ZC | M000T37671 | M0T37671ZT | M0T87781ZC | M0T90685ZC | M000T37671ZT | M000T88481ZC | M000T88482ZC

**EQUIVALENTE / Equivalent****Mitsubishi:** 15471 | 19971 | M191X19971 - **WAI:** 548346**1765****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**BMW:** 125i 3.0L 2996cc 2008...2013 | 135i 3.0L 2979cc 2008...2013 | 5 Séries Active Hybrid 3.0L 2979cc 2011...2013 | 523i 3.0L 2996cc 2010...2013 | 528i 3.0L 2996cc 2010...2013 | 530Li 3.0L, N52B30AF, Non-Turbo 2013...2014 | 730i 3.0L 2996cc 2008...2013 | 740i 3.0L 2979cc 2008...2013 | X3 3.0L 2979cc 2011...2013 | X3 3.0L 2996cc 2011...2013 | Z4 2.5L 2497cc 2009...2013 | Z4 3.0L 2979cc 2009...2013 | Z4 3.0L 2996cc 2009...2013

**MOTOR****Valeo:** TS12E36**1768****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Amarok 2.0 BiTDI | Amarok 2.0 BiTDI 4motion | Amarok 2.0 TDI | Amarok 2.0 TDI 4motion**MOTOR****Valeo:** 438243 | TS22ER12 | TS22ER13 - **Volkswagen:** 2H0911023 | 2H0911023AX**EQUIVALENTE / Equivalent****Valeo:** 595683**1770****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** IX35 | Santa Fé L4 2.0L 1998cc 122cid 2013 | Sonata L4 2.0L 1998cc 122cid VIN B 2011...2012 | Tucson L4 2.0L 1975cc VIN B 2011...2012 | Tucson L4 2.4L 2359cc VIN C 2011...2012 - **Kia:** Forte Koup L4 2.0L 1998cc 122cid 2011...2013 | Forte Koup L4 2.4L 2359cc 2011...2013 | Forte L4 2.0L 1998cc 122cid 2011...2013 | Forte L4 2.4L 2359cc 2011...2013 | Forte5 L4 2.0L 1998cc 122cid 2012...2013 | Forte5 L4 2.4L 2359cc 2012...2013 | Optima L4 2.0L 1998cc 122cid 2012...2013 | Sportage L4 2.0L 1998cc 122cid 2011...2013 | Sportage L4 2.4L 2359cc 2011...2013

**MOTOR****Hyundai:** 361002G200 - **Remy:** 8000357**EQUIVALENTE / Equivalent****Hyundai:** 361452G000 - **WAI:** 54198

**1771****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Chrysler:** Avenger L4 2.4L 2360cc 144cid 2008...2010 | Caliber L4 1.8L 1798cc 110cid 2007...2009 | Caliber L4 2.0L 1998cc 122cid 2007...2010 | Caliber L4 2.0L 1998cc 122cid VIN A 2011...2012 | Caliber L4 2.4L 2360cc 144cid 2007...2010 | Caliber L4 2.4L 2360cc 144cid VIN A 2011 | Journey L4 2.4L 2360cc 144cid 2009...2010 | Sebring L4 2.4L 2360cc 144cid 2007...2010 - **Dodge Truck:** Compass L4 2.0L 1998cc 122cid 2007...2010 | Compass L4 2.0L 1998cc 122cid VIN A 2011...2013 | Compass L4 2.4L 2360cc 144cid 2007...2010 | Journey L4 2.4L 2360cc 144cid VIN B 2011 - **Fiat:** Freemont - **Hyundai Truck:** Magentis V6 2.7L 2656cc 2007...2009 | Optima V6 2.7L 2656cc 2007...2009 | Rondo V6 2.7L 2656cc 2007...2009 | Santa Fé V6 2.7L 2656cc 2007...2009 - **Jeep Truck:** Compass L4 2.4L 2360cc 144cid VIN B 2011...2013 | Patriot L4 2.0L 1998cc 122cid 2007...2013 | Patriot L4 2.4L 2360cc 144cid 2007...2013

**MOTOR****Chrysler:** 05034555AA - **Mitsubishi:** M0T32071 | M000T32071 | M000T32071ZC - **Valeo:** 1250313**EQUIVALENTE / Equivalent****Mitsubishi:** 1X18 - **Valeo:** 7D24B**1774****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 194

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 2.0 - **Dacia:** Duster 1.5 | Logan 1.5 | Sandero 1.5 - **Fiat:** Ulisse 2.2 - **Nissan:** Kubistar 1.5 | Note 1.5 | Qashqai 1.5 | Tiida 1.5 - **Renault:** Clio II e III 1.5 | Kangoo Be Bop 1.5 | Megane II e III 1.5 | Modus 1.5 | Scenic II e Grand Scenic II 1.5 | Thalia 1.5 | Twingo 1.5

**MOTOR****Mitsubishi:** M0T20871 | M0T21471 | M1T80481 | M000T20871ZE**EQUIVALENTE / Equivalent****Mitsubishi:** M191T19271**1775****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Elantra L4 2.0L 1975cc 2005...2006 | I30 2.0 | Santa Fe 2.7 V6 2006... | Tiburon L4 2.0L 1975cc 2005...2006 - **Hyundai Truck:** Tucson L4 2.0L 1975cc 2005...2009  
**Kia:** Carnival 2.7 V6 2006... | Magentis 2.7 V6 2005... | Optima 2.7 2006...2010 | Rondo 2.7 2007...2012 | Soul | Spectra 5 L4 2.0L 1975cc 2006 | Spectra L4 2.0L 1975cc 2006 | Sportage L4 2.0L 1975cc 2005...2006

**MOTOR****Hyundai:** 3610023061 | 3610023071 | 3610023161 | 3610023171 - **Valeo:** 1195921 | 1195922 | 1196228 | 1196230**EQUIVALENTE / Equivalent****Hyundai:** 3614523171 - **Valeo:** 1L22B**1776****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** S10 2.8 Diesel 2012...2014 | TrailBlazer 2.8 Diesel 2012...**MOTOR****General Motors/Chevrolet:** 55564374 - **Valeo:** TS22E20**EQUIVALENTE / Equivalent****Valeo:** 195202 | 595724**1777****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación****Hyundai:** HB20 1.6 - **Kia:** Rio 1.6**MOTOR****Hyundai:** 361003101 | 361003101 | 361002B102 - **Valeo:** 1201942 | 1201952**EQUIVALENTE / Equivalent****Hyundai:** 361452B102 - **Valeo:** 2H08 - **WAI:** 549450**1778****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Accent L4 1.6 1591cc 97cid 2012...2013 | HB20 1.0 | Veloster L4 1.6 1591cc 97cid 2012 - **Kia:** Cerato 1.6 | Forte 1.6, 2.0 e 2.4 | Rio L4 1.6 1591cc 2012 | Soul L4 1.6 1591cc 2010...2012

**1778****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**MOTOR**

Hyundai: 361002B100 - Valeo: 1195239

**EQUIVALENTE / Equivalent**

Hyundai: 3613911140 - Valeo: 2E11

**1779****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

Fiat: Bravo II 1.4 | Doblo 1.4 | Grand Punto 1.4 | Grand Siena 1.4 | Idea 1.2 | Palio 1.4 | Panda 1.1, 1.2, 1.4 | Punto 1.4 | Strada - Lancia: Musa 1.4 | Ypsilon 1.4

**MOTOR**

Fiat: 51899848 | 55193356 - Hitachi: S114905 | S114906 | S114907 | S114951A | S114951B

**1780****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

Nissan: Frontier Turbo Diesel 2007...2012

**MOTOR**

Hitachi: S14413C - Nissan: 23300EB71E

**1781****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

Jac: J3 | J3 Turin

**MOTOR**

Jhaem: L21580 | QDY1289 | 1043100GG010

**EQUIVALENTE / Equivalent**

Jac: 11A20

**1784****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

Lucas Indiel: M101R | M95R - Volkswagen: Caminhões Motor MWM Serie X-10 e 229

**MOTOR**

Prestolite: 35261990 | 35262170 | 35262550 | 35262170AM

**EQUIVALENTE / Equivalent**

Prestolite: 35262268

**1787****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

Ford: Ecosport 2.0 Duratec Manual 2012...2017 | Focus 2.0 Duratec Manual

**MOTOR**

Valeo: FS14B1

**EQUIVALENTE / Equivalent**

Valeo: 501494

**1788****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

**APLICAÇÃO / Application / Aplicación**

Ford: Ecosport 2.0 Duratec Automático | Focus 2.0 Duratec Automático - Hyundai: Elantra | Santa Fé 2.0, 2.4 2010...2013 | Sonata 2.0 e 2.4 2011...2013

**MOTOR**

Ford: CN1511000BA | CN15111000CA - Hyundai: 361002E120 | 361002G100 - Valeo: 495117 | FS14B2 | FS14N1 | 1195411

**EQUIVALENTE / Equivalent**

Hyundai: 361402G100 | 361452A350 | 361452E120 | 361452G300 - Valeo: 501492



**1790****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

APLICAÇÃO / Application / Aplicación

Fiat: Ducato 2.3 Multijet Diesel | Ducato 110 | Ducato 120 | Ducato 130 | Ducato 150 - Peugeot: Boxer

MOTOR

Bosch: 0001115078 | 0001115079 | 0001115114 | 0001115115 | 0001115116 | 0001115117

EQUIVALENTE / Equivalent

Bosch: 1006209834 | 1006209864 - WAI: 5491193

**1791****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

APLICAÇÃO / Application / Aplicación

Ford: New Fiesta | Nova Ecosport 2013

MOTOR

Ford: CN1511000CA - Valeo: FS10B2

EQUIVALENTE / Equivalent

Valeo: 1202517

**1794****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

APLICAÇÃO / Application / Aplicación

Hyundai: H100 2.5 Diesel | HR 2.5 Diesel | Porter | Starex - Kia: Bongo | Sorento

MOTOR

Hyundai: 361004A100 | 361004A150 - Remy: 8000534 | 8000837

EQUIVALENTE / Equivalent

Hyundai: 361454A100

**1797****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

APLICAÇÃO / Application / Aplicación

Especial/Special: Maruti

**1799****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

APLICAÇÃO / Application / Aplicación

Mahindra: Xylo

MOTOR

Lucas TVS: 26024256A

EQUIVALENTE / Equivalent

Lucas TVS: 26242763

**1800****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 195

APLICAÇÃO / Application / Aplicación

Hyundai: Azera | Entourage GLS Mini Passenger Van 4-Door | Genesis Coupe | Genesis Sedan 4-Door 3.8 | Santa Fé | Sonata GLS Sedan 4-Door | Veracruz - Kia: Amanti | Borrego | Forte Koup | Magentis | Optima | Rondo | Sorento

MOTOR

Hyundai: 3610025020 | 361002CC00 | 361003C150 - Remy: 8000169 | 8000300 | 8000340

EQUIVALENTE / Equivalent

Hyundai: 3614525010 - WAI: 54195

**1801****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Dacia: Logan 1.4, 1.6, 16V | Sandero 1.4, 1.6 - Renault: Clio II 1.4, 1.6 16V | Kangoo 1.6, 16V | Megane I 1.4

MOTOR

Mitsubishi: M0T45071 | M0T45171 | M0T45371

**1801****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

EQUIVALENTE / Equivalent

Dacia: 6001547546 - Mitsubishi: M191X243BT

**1803****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

**Seat:** Ateca 1.5 2018... | Leon 1.5 2018... | Mii 1.0 2012... | Tarraco 1.5 2019... - **Skoda:** Citigo 1.0 2012... | Octavia 1.5 2019... | Octavia 2.0 2017... | Scala 1.0 2019... | Scala 1.5 2019... - **Volkswagen:** Arteon 1.5 2017... | Arteon 2.0 2018... | California 2.0 2015... | Caravelle 2.0 2015... | Fox 1.0 (motor 3 cilindros) | Golf Sportsvan 1.5 2017... | Golf VII 1.5 2018... | Golf VII 2.0 2018... | Golf VII 1.2 TSI 2013... | Multivan 2.0 2015... | Passat 1.5 2018... | Polo 1.5 2018... | Polo 2.0 2018... | Polo 2.0R WRC 2013... | Sharan 1.4 2018... | T-Cross 1.0 2018... | T-Cross 1.4 2019... | Tiguan 1.5 2018... | Touran 1.5 2018... | Transporter 2.0 2015... | Up! 1.0 2012...

MOTOR

**Bosch:** 0001177000 | 0001177001 | 0001177006 | 0001177007 | 0001177008 | 0001177009 | 0001179500 | 0001179501 | 0001179602 | 0001179603 | 0001179608 | 0001179609 - **Volkswagen:** 02M911021H | 02M911022F | 02M911024Q | 02M911024R | 0AM911022C | 02M911022FX

EQUIVALENTE / Equivalent

**Bosch:** 0399D73168 | 0399D73303 | 1006210271 | 1006385069**1808****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** Actros 1832, 1836, 1841, 1844 | Actros 1846, 1850, 1851, 1854, 1858 | Actros 2632, 2636, 2641, 2644 | Actros 2646, 2650, 2651, 2654, 2655 e 2658 | Axor 2006 e 3344 - **Renault:** FR1 - Iliade FRH - GTX - GTXE - RTX - TX | Iliade GT - GTC - GTE | Magnum AE | Manager | Maxter - **ZEN:** Utiliza Pinhão ZEN 12967

MOTOR

**Mitsubishi:** M9T80071 | M9T80472 | M9T80473 | M9T82071 | M9T82479 | M9T83671

EQUIVALENTE / Equivalent

**Mitsubishi:** 90571 | M191T90271**1812****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

**Citroën:** Berlingo 1.6 HDI | C1, C2, C3 1.4 Hdi e 1.6 Hdi | C4 1.6 16V Bio flex e 1.6 Hdi | C5 1.6 Hdi e 2.2 HDi | Picasso 1.6 16V Bio Flex e 1.6 Hdi | Xsara Picasso 1.6 HDI  
**Peugeot:** 107, 1007, 206, 207, 307 e 308 1.4 e 1.6 HDI | 3008, 407 e 5008 1.6 HDI | Partner 1.6 HDI | Ranch 1.6 HDI - **Toyota:** Ayco 1.4 D

MOTOR

**Valeo:** D7G3 | D7G26 | 438166 | 438189 | 458185 | 458237 | TS18E13 | TS14E110

EQUIVALENTE / Equivalent

**Cargo:** 234819 - **Valeo:** 192929 | 194213 | 594631**1813****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

**Toyota:** Corolla | Crown | Fortuner | Hiace | Hilux | Kijang Innova | Land Cruiser Prado

MOTOR

**Nippondenso:** 2810022040 | 4280000670 | 4280000680 | 4280001760 | 4280003370 | 4280003371 | 4280003372 | 4280004550 - **Toyota:** 281000D090 | 2810075190

EQUIVALENTE / Equivalent

**Toyota:** 2802173020 - **WAI:** 548275**1814****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

**Audi:** A3 1900 BLS BKC BXE 2003...2009 | A3 Convertible (8P7) Eng.BLS 1.9 TDI 77kw BLS 2008...2009 - **Seat:** Altea (5P1) Eng BJB BKC BLS BXE 1.9 TDI 77kw BJB BKC BLS BXE 2004 | Altea (5P1) Eng BXF 1.9 TDI 66kw BXF 2009 | Altea (5P5 - 5P8) Eng BKC BLS BXE 1.9 TDI 77kw BKC BLS BXE 2006 | Altea (5P5 - 5P8) Eng BXF 1.9 TDI 66kw BXF 2009 | Altea (5P5 - 5P8) Eng. 1.9 TDI 4x4 77kw 2009...2010 | Altea 1896ccm BJB 1.9 TDI 2004...2015 | Altea 1896ccm BKC 1.9 TDI 2004...2015 | Altea XL 1896ccm BLS 1.9 TDI 2006...2015 | Altea XL 1896ccm BXE 1.9 TDI 2006...2015 | Altea XL 1968ccm BKD 2.0TDI 2006...2010 | Altea XL 1968ccm BMM 2.0TDI 2006...2010 | Altea XL 1968ccm BMM 2.0TDI 2006...2010 - **Volkswagen:** California 1896ccm AXB 1.9 TDI 2003...2009 | California 1896ccm AXC 1.9 TDI 2003...2009 | California 1896ccm BRR 1.9 TDI 2006...2009 | California 1896ccm BRS 1.9 TDI 2006...2009 | Transporter 1900 2003...2008

MOTOR

**Bosch:** 0001123012 | 0001123013 | 0001123018 | 0001123019 | 0001124001 | 0001124002 | 0001124005 | 0001124006 | 0001125001 | 0001125007 | 0001125008 | 0001125011 | 0001125012 | 0001125013 - **Magneti Marelli:** 063521230120 | 944280203000 - **Magnetron:** 915109A

**1814****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

EQUIVALENTE / Equivalent

Bosch: 1006209621 | 1006209648 | 1006209786 | 1006209880 | 1006209962 - Cargo: 239967

**1816****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Toyota: Etios Diesel

EQUIVALENTE / Equivalent

Nippondenso: 280210N080

**1820****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Ford: Focus I 1400 Zetec S 1998...2005 | Focus I 1600 Zetec S 1998...2005

MOTOR

Ford: 98AB11000BB | 98AB11000BC | 98AB11000BD | 98AB11000CB | 98AB11000CC | 98AB11000CD | YS4U11000AA | YS4U11000AB | YS4U11000BA

**1822****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Citroën: Berlingo | C2 | C3 | C4 | C5 | DS3 | XSara - Peugeot: 206 | 207 | 208 | 304 | 407 - Renault: 19 | Clio | Espace | Kangoo | Laguna | Megane | Rapid Box | Scenic | Thalia | Trafic Box

MOTOR

Valeo: D6RA101 | D6RA104 | D6RA105 | D6RA110 | D6RA115

EQUIVALENTE / Equivalent

Valeo: 188595 | 191448 | 594382

**1823****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Audi: A3 1.9 TDI, 2.0 TDI, 3.2 V6 quattro - Seat: Altea 1.9 TDI, 2.0 TDI - Volkswagen: Caddy III 2.0 SDI | Golf IV 1.9 TDI e 2.0 TDI | Golf IV 3.2 R32 4Motion | Golf V Touran 1.9 TDI e 2.0 TDI | Multivan 3.2 V6 4Motion | Transporter 1.9 TDI

MOTOR

Bosch: 0001123014 | 0001123015 | 0001123016 | 0001123017 | 0001123020 | 0001123021

EQUIVALENTE / Equivalent

Bosch: 1006209785 | 1006209961

**1824****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Audi: A1 1.6 TDI Start/Stop | A3 1.6 TDI Start/Stop - Skoda: Fabia 1.2 TDI e 1.6 TDI Start/Stop | Roomster 1.2 TDI e 1.6 TDI Start/Stop | Superb 1.6 TDI Start/Stop  
Volkswagen: Caddy III 1.6 TDI Start/Stop | Crafter 2.0 TDI Start/Stop | Golf VI 1.6 TDI Start/Stop | Passat 1.6 TDI e 2.0 TDI Start/Stop | Polo 1.2 TDI e 1.6 TDI Start/Stop | Touran 1.6 TDI Start/Stop

MOTOR

Valeo: ESW20ER121

EQUIVALENTE / Equivalent

Valeo: 198159

**1825****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

APLICAÇÃO / Application / Aplicación

Ford: Ka 2014... | Ka + - General Motors/Chevrolet: Beat 2019...

MOTOR

Ford: E3B511000AA | EB3511000AA - Valeo: FS1012 | 1217712 | TSC10B1 | 28289622 | 650625135

EQUIVALENTE / Equivalent

Valeo: 01K18C | 501495 | 1204813 | 1217990

1826

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

## APLICAÇÃO / Application / Aplicación

**Audi:** A1 1.2 TFSI - 1.4 TFSI Start/Stop | A1 1.6 TDI - 2.0 TDI Start/Stop | A3 1.2 TFSI - 1.4 TFSI Start/Stop | A3 1.6 TDI - 2.0 TDI Start/Stop - **Seat:** Altea XL 1.2 TSI - 1.4 TSI Start/Stop | Altea XL 1.6 TDI - 2.0 TDI Start/Stop | Ibiza V 1.2 TDI - 1.6 TDI Start/Stop | Ibiza V 1.2 TSI - 1.4 TSI Start/Stop | Leon 1.4 TSI Start/Stop | Leon 1.6 TDI - 2.0 TDI Start/Stop | Toledo IV 1.2 TSI Start/Stop | Toledo IV 1.6 TDI Start/Stop - **Skoda:** Fabia 1.2 12V - TSI Start/Stop | Fabia 1.2 TDI - 1.6 TDI Start/Stop | Octavia 1.2 TSI Start/Stop | Octavia 1.6 TDI - 4x4 - 2.0 TDI - 4x4 Start/Stop | Rapid 1.2 TSI Start/Stop | Rapid 1.6 TDI Start/Stop | Roomster 1.2 TDI - 1.6 TDI Start/Stop | Roomster 1.2 TSI Start/Stop | Superb 1.6 TDI Start/Stop | Yeti 1.4 TSI Start/Stop | Yeti 1.6 TDI Start/Stop - **Volkswagen:** Caddy III 1.6 TDI Start/Stop | CC 1.8 TSI Start/Stop | EOS 1.4 TSI Start/Stop | Golf VI 1.2 TFSI - 1.4 TSI Start/Stop | Golf VI 1.6 TDI - 4motion Start/Stop | Jetta IV 1.2 TSI - 1.6 TDI Start/Stop | Multivan V 2.0 TDI Start/Stop | Passat 1.4 TSI - Eco/MultiFuel Start/Stop | Passat 1.6 TDI - 2.0 TDI Start/Stop | Passat 1.8 TSI - ALLTRACK Start/Stop | Polo 1.2 - TSI - 1.4 TSI Start/Stop | Polo 1.2 - TSI Start/Stop | Polo 1.2 TDI - 1.4 TDI - 1.6 TDI Start/Stop | Scirocco 1.4 TSI Start/Stop | Touran 1.6 TDI Start/Stop | Transporter V 2.0 TDI Start/Stop

## MOTOR

**Bosch:** 0001142001 | 0001142003 | 0001142005 | 0001153001 | 0001153007 | 0001153009 | 0001153015 | 0399703052

## EQUIVALENTE / Equivalent

**Bosch:** 1006210172 | 1006210905

1827

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

## APLICAÇÃO / Application / Aplicación

**Daihatsu:** Light Trucks 2.5L DSL 1979...1993 | Light Trucks 2.8L DSL 6T - 6.9T 1979...1993 - **Fair:** 742 9D - 130 1980 - **General Motors/Chevrolet:** 7000 FWD Control 6 Cil. 1985...1992 | 8500 FWD Control 6 Cil. 1985...1992 - **Hino:** IW 1986...1994 | W04D 1983...1992 - **ZEN:** Utiliza Pinhão ZEN 9301

## MOTOR

**Daihatsu:** 2810047050 | 2810047051 | 2810087314 | 281008731A | 2810087601 - **Denso:** 280000972 | 280004800 | 280005300 | 280005301 | 280005490 | 280005510 | 280005511 | 280005520 | 280005530 | 280005531 | 280005532 | 280005541 | 280005542 | 280005543 | 280005550 | 280005551 | 280005552 | 280005553 | 280005560 | 280005561 | 280005570 | 280005571 | 280005580 | 280005581 | 280005593 | 280005620 | 280005651 | 280005652 | 280005690 | 280005691 | 280005692 | 280005693 | 280005832 | 280005833 | 280005834 | 280005835 | 280005850 | 280005860 | 280005861 | 280005862 | 280005863 | 280005864 | 280005870 | 280005871 | 280005890 | 280005891 | 280006010 | 280006012 | 280006013 | 280006021 | 280006022 | 280006200 | 280006201 | 280006290 | 280006291 | 280006292 | 280006340 | 280006341 | 280006461 | 280006560 | 280006561 | 280006590 | 280006591 | 280006640 | 280006870 | 280006871 | 280006872 | 280006880 | 280006881 | 280006882 | 280006890 | 280006891 | 280006892 | 280006893 | 280006900 | 280006901 | 280006910 | 280006911 | 280006912 | 280006950 | 280006951 | 280007140 | 280007240 | 280007241 | 280007242 | 280007400 | 280007451 | 280007452 | 280007810 | 280007811 | 280008070 | 280008071 | 280008072 | 280008400 | 280008490 | 280008491 | 280008500 | 280008501 | 280008561 | 280008562 | 280008840 | 280008841 | 280008842 | 280009331 | 280009332 | 280009333 | 280009770 | 281001442 | 283004551 | 283005090 | 1280000380 | 1280000381 | 1280000382 | 1280000383 | 1280000490 | 1280000520 | 1280000530 | 1280000531 | 1280000532 | 1280000972 | 1280000973 | 1280001000 | 1280001001 | 1280001010 | 1280001011 | 1280001561 | 1280001570 | 1280001571 | 1280001572 | 1280001573 | 1280001574 | 1280001580 | 1280001581 | 1280001582 | 1280001583 | 1280001584 | 1280001585 | 1280001790 | 1280002450 | 1280002470 | 1280002740 | 1280003080 | 1280003082 | 1280003512 | 1280003513 | 1280003514 | 1280004100 | 1280004101 | 1280004111 | 1280004112 | 1280004250 | 1280005090 | 1280005091 | 1280005300 | 1280005380 | 1280005381 | 1280005382 | 1280006170 | 1280006171 | 1280006172 | 1280006173 | 1280006180 | 1280006181 | 1280006182 | 1280006183 | 1280006184 | 1280006330 | 1280006810 | 1280006811 | 1280006812 | 1280006822 | 1280006823 | 1280006830 | 1280006831 | 1280006832 | 1280006833 | 1280006910 | 1280006911 | 1280006920 | 1280006921 | 1280007280 | 1280007281 | 1280007282 | 1280007283 | 1280007290 | 1280007291 | 1280007292 | 1280007293 | 1280007294 | 1280007360 | 1280007361 | 1280007362 | 1280007363 | 1280007600 | 1280007601 | 1280007602 | 1280007603 | 1280007604 | 1280007750 | 1280007920 | 1280007921 | 1280007922 | 1280007923 | 1280007932 | 1280007933 | 1280008061 | 1280008063 | 1280008064 | 1280009580 | 1280009581 | 1280009582 | 2280000270 | 2280000281 | 2280000282 | 2280000291 | 2280000292 | 2280000350 | 2280000351 | 2280000570 | 2280000571 | 2280000572 | 2280000573 | 2280000574 | 2280000575 | 2280001440 | 2280001590 | 2280001591 | 2280001661 | 2280001671 | 2280001790 | 2280001791 | 2280002110 | 2280002111 | 2280002470 | 2280002660 | 2280002800 | 2280003070 | 2280003080 | 2280003090 | 2280003100 | 2280003230 | 2280003710 | 2280003720 | 2280004240 | 2280005811 | 2280005830 | 2280006530 | 2280006572 | 2280007870 | 2280008470 | 2280009020 | 2280009050 | 2280009760 | 281001562A

**Hino:** 281001961 | 281001561A | 281001562A | 281001562B | 281001930A | 281001931A | 281001960A | 281001961A | 281001961B - **Isuzu:** 1811001410 | 5811240040

**Kubota:** 1418263011 | 1418263012 | 1418263041 - **Toyota:** 2801154010 | 2801177090 | 2810022060 | 2810022061 | 2810031625 | 2810032080 | 2810040290 | 2810040291 | 2810040510 | 2810042800 | 2810046030 | 2810046040 | 2810047030 | 2810047060 | 2810047090 | 2810047091 | 2810048011 | 2810054010 | 2810054023 | 2810054032 | 2810054042 | 2810054052 | 2810054061 | 2810054090 | 2810054120 | 2810054130 | 2810054140 | 2810054160 | 2810054190 | 2810054210 | 2810054220 | 2810054250 | 2810054300 | 2810054320 | 2810054370 | 2810054390 | 2810054430 | 2810054470 | 2810056030 | 2810056060 | 2810056070 | 2810056071 | 2810056100 | 2810056101 | 2810056110 | 2810056111 | 2810056120 | 2810056131 | 2810056132 | 2810056140 | 2810056150 | 2810056151 | 2810056161 | 2810056171 | 2810056180 | 2810056181 | 2810056220 | 2810056221 | 2810056222 | 2810056240 | 2810056241 | 2810056242 | 2810056260 | 2810056270 | 2810056281 | 2810056290 | 2810056320 | 2810056330 | 2810056340 | 2810064010 | 2810064070 | 2810064080 | 2810064090 | 2810064100 | 2810077090 | 2810078502 | 2810087601 | 2810096502 | 2830023040 | 2830023041 | 2830031960 | 2810047090C | 281002206171F - **Volvo:** 420760 | 1676822 | 8192262

## EQUIVALENTE / Equivalent

**Daihatsu:** 2801154010 - **Denso:** 0253001730 | 0283001730 | 0283002011 | 0283002012 | 0283002070 | 0283004170 | 0283004550 | 0283004551 | 0283005090 | 0283005091 - **Isuzu:** 5811240040 - **Kubota:** 1418263041 - **Toyota:** 2801154010 | 2801177090 - **Unipoint:** SD5070 | SD5072 - **WAI:** 548241

1830

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

## APLICAÇÃO / Application / Aplicación

**Toyota:** Coaster | HDB50 | HDB51 | HZB40 | Land Cruiser 4.20 D (HZJ80) 1990...1995 | Land Cruiser 4.20 TD (HDJ80) 1990...1995

**1830****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

**MOTOR**

**Denso:** 280006460 | 280006462 | 280006463 | 1280008620 | 1280008621 | 2280001600 | 2280001601 | 2280001610 | 2280001611 | 2280002030 | 2280002031 | 2280005980 | 2280005981 | 2280005990 - **Toyota:** 2810017080

**EQUIVALENTE / Equivalent**

**Denso:** 0534004731 | 1280995160 - **Toyota:** 2801117020 - **Unipoint:** SD5074 - **WAI:** 548261

**1838****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 196

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Primastar | Qashqai | Xtrail 2.0 DCI - **Opel:** Movano 2.3 CDTI | Vivaro 2.0 CDTI - **Renault:** Espace | Koleos | Laguna II, III 2.0 DCI | Master III 2.0 DCI | Megane | Scenic II, III | Trafic II 2.0 DCI | Vel Satis 2.0 DCI

**MOTOR**

**Mitsubishi:** M1T80681 - **Nissan:** 2330000Q0D | 23300JG70A | 233003400A9 - **Renault:** 233002654R | 8200568535 | 8201036311 | 233003400A9 - **Valeo:** TS2232 | TS22E5 | TS22E8 | TS22E9 | TS22E5B

**EQUIVALENTE / Equivalent**

**Valeo:** 193013 | 195353 | 594717 - **WAI:** 549460

**1839****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

**APLICAÇÃO / Application / Aplicación**

**Mitsubishi:** Carisma 1.6 e 1.8 - **Nissan:** Bluebird 1.8 | Prairie 2.0

**MOTOR**

**Valeo:** D6RA76 | D6RA77 | D6RA78 | D6RA79

**EQUIVALENTE / Equivalent**

**Mitsubishi:** MD620980 - **Valeo:** 187077 | 594247

**1841****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

**APLICAÇÃO / Application / Aplicación**

**Toyota:** Fortuner | Hilux

**MOTOR**

**General Motors/Chevrolet:** 88969483 - **Nippondenso:** 286005360 | 4280000340 | 4280000341 | 4280001311 - **Toyota:** 2802121060 | 281000D080 | 2810022090 | 281000D08084

**EQUIVALENTE / Equivalent**

**Nippondenso:** 0283009541 - **WAI:** 548247

**1847****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Tucson - **Kia:** New Pride | Rio

**MOTOR**

**Hyundai:** 3610021740 | 3610022805 | 3610026800 - **Mando:** MC109018 | MC109025 - **Remy:** 8000174 | 8000395 | 8000961 - **Valeo:** TM000A3720

**EQUIVALENTE / Equivalent**

**Remy:** 10523948 - **Valeo:** 3610026710

**1848****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** Sail

**MOTOR**

**General Motors/Chevrolet:** 9025295 - **Valeo:** TS14E15

**1849****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

## APLICAÇÃO / Application / Aplicación

**Acura:** CSX L4 2.0L 1998cc 122cid 2006...2008 | TSX L4 2.4L 2354cc 2004...2005 - **Honda:** Accord L4 2.4L 2354cc 2003...2005 | Accord L4 2.4L 2354cc 144cid 2004...2005 | Civic L4 2.0L 1998cc 122cid 2006...2011 | Element L4 2.4L 2354cc 2003...2006 | Element L4 2.4L 2354cc 2007...2008 | Odyssey 2.3L NonTurbo Gas (F23Z4) 2002 | Odyssey 2.4L NonTurbo Gas (K24A6) 2005...2006

## MOTOR

**Honda:** 31200RAA43 | 31200RAAA51 | 31200RAAA52 | 31200RNAA50 | 31200RNAA51 | 31200RAAA51RM - **Lester:** 17870 | 17958 | 17960 - **Mitsuba:** M61209 | SM61209 | SM71001 | SM71002

## EQUIVALENTE / Equivalent

**Mitsuba:** 5485502 | SH07118 - **WAI:** 548507

**1855****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

## APLICAÇÃO / Application / Aplicación

**Mahindra:** Bolero 2.5 | CL 500 2.5 | Commander 2.5 | DI 32000 2.5 | Major 2.5 | Marshal 2.5 | Maxx 2.5 | Savari 2.5 | Tourister 2.5

## MOTOR

**Bosch:** F002G20348 | F002G20582 | F002G20932

## EQUIVALENTE / Equivalent

**Bosch:** F002G20349

**1856****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

## APLICAÇÃO / Application / Aplicación

**Audi:** A3 1.9 TDI - 2.0 TDI - 3.2 V6 quattro | TT 1.8 T - 3.2 V6 quattro - **Seat:** Altea XL 1.9 TDI - 2.0 TDI - 4x4 | Leon 1.9 TDI - 2.0 TDI - 16V | Toledo III 1.9 TDI - 2.0 TDI - 16V  
**Skoda:** Octavia 2.0 TDI 16V - RS | Superb 2.0 TDI - 16V - 4x4 - **Volkswagen:** Caddy III 1.9TDI | Eos 2.0 TFSI - 2.0 TDI 16V - 3.2 V6 | Golf IV - V 3.2 R32 4motion | Golf V - VI 1.9 TDI - 2.0 TDI - 16V - 4motion | Jetta III 1.4 TSI - 1.9 TDI - 2.0 TDI - 16V | New Beattie 1.9 TDI | Passat 3.2 FSI - 3.6 R36 4motion | Passat CC 1.9TDI - 2.0TDI - 16V - 4motion | Scirocco 2.0 TDI | Touran 1.9 TDI - 2.0 TDI - 16V

## MOTOR

**Bosch:** 0001123036 | 0001123038 | 0001123039 | 0001123044 - **Volkswagen:** 02M911024

## EQUIVALENTE / Equivalent

**Bosch:** 1006209847 | 1006210217

**1857****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

## APLICAÇÃO / Application / Aplicación

**Toyota:** Avensis

## MOTOR

**Nippondenso:** 4280000720 - **Toyota:** 281000G020

**1861****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

## APLICAÇÃO / Application / Aplicación

**Isuzu:** Campo 2.5 Diesel | Industrial | Marinha | Trooper 2.8 Diesel - **Opel:** Campo 3.1 Diesel Turbo | Frontera A 2.8 Diesel Turbo | Monterey A 3.1 Diesel Turbo

## MOTOR

**Hitachi:** S1403 | S13111 | S13112 | S13113 | S13114 | 8944104090 | 8944179250 | 8944339120 | 8944604170

## EQUIVALENTE / Equivalent

**Cargo:** 137277 - **Hitachi:** 21401500 | 213025005 | 214015003 - **Isuzu:** 8944355630 | 8970475470

**1862****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

## APLICAÇÃO / Application / Aplicación

**Nissan:** 27 NHR | Cabstar 2.3 Diesel F22 | Cabstar 2.5 Diesel F22 | King Van 2.3 Diesel E24 | King Van 2.5 Diesel E24 | Navara 2.5 Diesel | TD 27 | Terrano 2.7 Diesel | Terrano 2.70 TDi 4WD | Urban 2.3 D | Urban 2.5 D

## MOTOR

**Hitachi:** S13106 | S13126 | S13106B - **Nissan:** 2330010T01 | 2330010T02 | 233001W400 | 2330045N50 | 2330045N51 | 233006K200 | 233006T000 | 233006T001 | 233007F400 | 2330080G00 | 2330080G01 | 23300Q2403 | 23300Q2404 | 23300Q2405 | 23300Q2406

**1862****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

EQUIVALENTE / Equivalent

Cargo: 135718 - Hitachi: 213015005 | 213015505 | 213095007 - Nissan: 2331243G00

**1863****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

APLICAÇÃO / Application / Aplicación

Acura: Legend 3.2 C32A2 | SLX 3.2 6VD1 | SLX 3.5 6VE1 - Isuzu: Trooper 3.2 LS, LTD, RS | Trooper 3.5 | Vehicross 3.5 - ZEN: Utiliza pinhão ZEN 10049

MOTOR

Nippon: 1280009700 | 1280009701 | 2280000810 | 2280002050 | 2280002051 | 2280002260 | 2280002261 | 2280003990 | 2280003991 | 2280003992 | 2280006420 | 2280006421 | 2280007200 | 2280007201

EQUIVALENTE / Equivalent

Nippon: 0283007610 | 0283007680 | 0283007860 | 0283008100 - WAI: 548249

**1864****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

APLICAÇÃO / Application / Aplicación

Acura: Integra 1.8

MOTOR

Nippon: 2280000220

EQUIVALENTE / Equivalent

Nippon: 0283007670

**1871****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

APLICAÇÃO / Application / Aplicación

Ford: EcoSport | Edge | Fiesta | Focus 2010... | Fusion | Taurus

MOTOR

Ford: 6S4T11000AA | 8S4T11000AA | BB5T11000AA | DU2Z11V002BRM | DU2Z11V002DRM | 6S4Z11V002AARM | DU2Z11V002FARM - Motorcraft: SA934 | SA999RM | SA1057RM

EQUIVALENTE / Equivalent

Arrowhead: SFD5027

**1872****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

APLICAÇÃO / Application / Aplicación

Hyundai: HR - Kia: Bongo

MOTOR

Valeo: 1202355 | 361004A200

EQUIVALENTE / Equivalent

Valeo: 3F25B

**1873****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: N107 | N108 | N109 | N200 | N300 | N300P

MOTOR

Valeo: D6GC211

EQUIVALENTE / Equivalent

General Motors/Chevrolet: 24538276

**1875****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

APLICAÇÃO / Application / Aplicación

Toyota: Corolla 1.8 16V 2014...2019 | Corolla 2.0 2015

MOTOR

Bosch: F000C60299 | F000C60300 - Toyota: 281000T310

**1875****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 197

EQUIVALENTE / Equivalent

**Bosch:** 1006212005 | F000C61002 - **Toyota:** 280110T310**1876****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Mazda:** 3 L4 2.5 L 2014...2016 | 6 L4 2.5 L 2014...2016 | CX5 L4 2.5 L 2014...2016 - **Nissan:** Altima V6 3.5L 2004...2007 | Maxima V6 3.5L 2004...2006 | Quest V6 3.5L 2004...2009

MOTOR

**Mazda:** PE0118400 | PE0718400 | PY0118400 - **Mitsubishi:** M000T20771 | M000T34171 | M000T39671 | M000T20771ZC | M000T20777ZC - **Nissan:** 233008Y000 | 233008Y00A

EQUIVALENTE / Equivalent

**Lester:** 11713 | 17872 | 19195 | 19981 - **Mitsubishi:** 6Z12 | 40571 - **WAI:** 548349**1877****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Chrysler:** 200 V6 3.6L 3605cc 220cid VIN G 2012 | Town E Country V6 3.6L 3604cc 220cid 2011...2016 | Town E Country V6 3.6L 3605cc 220cid 2011...2013 - **Dodge:** Avenger V6 3.6L 2011...2014 | Grand Caravan V6 3.6L 2011...2018 | Journey V6 3.6L 2011...2018 - **Fiat:** Doblo 1.3 2002...2009 | Doblo 1.4 2010... | Fiorino 2004...2013 | Fiorino CMBBZ 2011... | Idea 1.4 2006... | Idea 1.6 2011...2013 | Idea 1.8 2007...2010 | Mobi 1.0 2017... | Palio 1.0 16V 2001...2003 | Palio 1.0 8V 2001...2007 | Palio 1.3 8V 2003 | Palio 1.3 16V 2003...2007 | Palio Weekend 1.0 2001...2003 | Palio Weekend 1.3 2003...2005 | Palio Weekend 1.4 2006...2012 | Palio Weekend 1.6 2005 | Palio Weekend 1.7 Turbo 2006...2008 | Palio Weekend 1.8 2004...2008 | Punto 1.4 2006...2013 | Siena 1.0 2001...2012 | Siena 1.3 2001...2008 | Siena 1.4 2008...2015 | Siena 1.6 2011...2012 e 2016...2017 | Siena 1.8 2005...2012 | Strada 1.3 2003... | Strada 1.4 2009... | Strada 1.5 2002...2005 | Strada 1.6 2002 | Strada 1.7 Turbo 2004...2008 | Strada 1.8 2003...2008 | Toro 1.8 Flex 2016...2021 | Uno 1.0 2012... | Uno 1.4 2012... | Uno Furgoneta 1.0 2014...2015 | Uno Furgoneta 1.4 2014... - **Jeep:** Cherokee V6 3.2L 3239cc 198cid 2014 | Renegade - **Ram Van:** C/V V6 3.6L 2012...2015 | ProMaster 1500 V6 3.6L 2014...2018 | ProMaster 2500 V6 3.6L 2014...2018 | ProMaster 3500 V6 3.6L 2014...2018**Volkswagen:** Routan V6 3.6L 3604cc 220cid VIN G 2011...2014 | Routan V6 3.6L 3605cc 220cid VIN G 2011...2012

MOTOR

**Chrysler:** 200 | 04801839AB | 4801839AC | RL801839AB - **Denso:** 4280007200 | 4280009391 | 4280009500 | BC4280009391 | BC4280009500 | BC4380002590 - **Fiat:** 51911199 | 51911200 | 51978233 - **Lester:** 19616 - **Volkswagen:** 7B0911023C | 7B0911023CXRMM**1879****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Fiat:** Fiorino CMBGA 2011... | Idea 1.4 MPI Fire 2011... | Idea 1.6 E.TorQ 16V 2011...2013 | Nova Strada 1.4 Flex 8V 2017... | Strada 1.4 2013...2020 | Uno 1.0 MPI Fire 8V 2015... | Uno 1.3 2016 | Uno 1.4 MPI Fire 8V 2015...

MOTOR

**Bosch:** F000C60001 | F000C60004 - **Fiat:** 51997820 - **Honda:** 31200RAAA53

EQUIVALENTE / Equivalent

**Bosch:** 1006212003 | 1006212005 | 1006485017**1882****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Fiat:** Doblo | Palio | Punto | Strada - **Volvo:** 850 | C30 | S60 | XC60 | XC90

MOTOR

**Bosch:** 0001109041 | 0001109048 | 0001109063 | 0001109252 | 0001109264 - **Fiat:** 46522234 | 46830212

EQUIVALENTE / Equivalent

**Bosch:** 1006209653 | 1006209751 | 1006209947**1884****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Lexus:** IS II 220d - **Toyota:** Auris 2.0 D-4D | Auris 2.2 D | Avensis 2.0 D-4D | Avensis 2.2 D-4D | Corolla 2.0 D-4D | Corolla 2.2 D-4D | Corolla Verso 2.2 D-4D | RAV 4 III 2.2 D-4D

MOTOR

**Magneti Marelli:** 63187051 | 63280059 - **Nippondenso:** 4280003180 | 4280004920 - **Toyota:** 281000G040



**1884****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

EQUIVALENTE / Equivalent

Cargo: 330651

**1886****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** 190 (W201) | Classe C (W202) | Classe C (W203) | Classe E (W124) | Classe G (W460) | Classe M (W163) | Classe S (W140) | Classe V (638/2)**Ssangyong:** Actyon I | Actyon Sports I (QJ) | Korando (K4) | Korando (KJ) | Korando Cabrio (KJ) | Kyron | Musso (FJ) | Musso Sports | Rexton (GAB) | Stavic

MOTOR

**Ssangyong:** 6611513201**1887****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Honda:** Amaze

EQUIVALENTE / Equivalent

**Denso:** 4380000050**1888****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Mercedes Benz:** 1215 | 1417 | 1625 | 1628 | 1632 | 1725 | 2423 | 2428 | 712 | 912 | 914 | Atego 1718 | Atego 2425 | Atego 2428 | Axor 1933 | Axor 2831**Prestolite:** M95R

MOTOR

**Prestolite:** 35262760AM

EQUIVALENTE / Equivalent

**Prestolite:** K01678**1890****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Audi:** A3 1.6 FSI e 2.0 FSI - **Seat:** Altea 1.4 16V | Cordoba 1.2 - 1.2 12V - 1.4 16V - 1.6 - 1.6 16V | Ibiza I V - V 1.2 - 12V - 1.4 - 16V - 1.6 - 16V | Leon 1.4 16V | Octavia 1.4 - 16V - 1.6 - FSI | Roomster 1.2 - TSI - 1.4 - 1.6 - 1.4 - 1.9 TDI | Skoda Fabia 1.2 - TSI - 1.4 - 16V - 1.6 - 1.9 TDI - **Volkswagen:** Golf V - VI 1.4 - 16V - FSI - 1.6 FSI | Polo 1.2 - 12V - TSI - 1.4 - 16V - FSI - 1.6 - 16V

MOTOR

**Valeo:** D6GS11 | D6GS12 | D6GS13

EQUIVALENTE / Equivalent

**Valeo:** 191548 | 594665**1891****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

APLICAÇÃO / Application / Aplicación

**Audi:** A3 L4 2.0L 1984cc 121cid 2010...2013 | A3 L4 2.0L 1984cc 121cid GAS 2011 | TT L4 2.0L 1984cc 121cid CCTA 2009 | TT Quattro L4 2.0L 1984cc 121cid CCTA 2009...2010 - **Volkswagen:** Beetle L4 2.0L 1984cc 121cid 2012 | Bora 1.6 Non-Turbo Gas (BWG 2008 | Bora 1.6 Non-Turbo Gas (BWH) 2008 | Bora 1.6 Non-Turbo Gas (BWH) 2011 | Bora 1.6 Non-Turbo Gas (CLS) 2011...2013 | Bora 2.0 Non-Turbo, Gas (CEN 2008 | CC L4 2.0L 1984cc 121cid 2009...2010 | Eos L4 2.0L 1984cc 121cid 2007...2011 | Golf 1.6 Non-Turbo Gas (CLR) 2012 | Golf L4 2.0L 1984cc 121cid GAS 2012 | Golf City L4 2.0L 1984cc 121cid 2007 | GTI L4 2.0L 1984cc 121cid 2006...2011 | Jetta L4 2.0L 1984cc 121cid 2006...2010 | Jetta L4 2.0L 1984cc 121cid GAS 2009...2011 | Jetta L4 2.0L 1984cc 121cid Naturally Aspirated 2012...2013 | Jetta L4 2.0L 1984cc 121cid Turbocharged 2012...2013 | Passat L4 2.0L 1984cc 121cid 2006...2009 | R32 V6 3.2L 3189cc 195cid 2008 | Tiguan L4 2.0L 1984cc 121cid 2010...2012

MOTOR

**Valeo:** D6GS14 | D6GS14M | TS12ER20 | TS12ER25 - **Volkswagen:** 02M911021B | 02M911023M | 02M911023MX

EQUIVALENTE / Equivalent

**Valeo:** 191547 | 594666 | 200202

**1893****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** Fox 1.0 e 1.6 2003...2013 | Gol 1.0 EA111 1997...2014 | Gol 1.6 2008...2014 | Golf 1.6 2002...2014 | Polo 1.0 EA111 2002...2003 | Polo 1.6 2002...2014 | Polo Sedan 1.0 e 1.6 2016... | Saveiro 1.6 2009... | Spacefox 1.6 2006...2014 | Voyage 1.0 e 1.6 2008...2016

## MOTOR

**Valeo:** TSC10R7 - **Volkswagen:** 495107 | 02T911021E

## EQUIVALENTE / Equivalent

**Valeo:** 501502 | 1205962

**1895****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

## APLICAÇÃO / Application / Aplicación

**Daihatsu:** Charade 1000 1983...1993 | Charade L3 1.0L 993cc 61cid 1988...1992 | Domino 850 1986...1989 | Move 847 1997...2000

## MOTOR

**Daihatsu:** 2810087526000 | 2810087548000 | 2810087722000 | 2810087734000 - **Denso:** 1280003662 | 1280004530 | 1280004531 | 1280004532 | 2280006430

**Toyota:** 2810087725

## EQUIVALENTE / Equivalent

**Cargo:** 136794 - **Denso:** 0283005730 - **Toyota:** 2801187505 - **Volkswagen:** 113911335B

**1899****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 159 1.8 | 159 2.0 | 4C 1.7 | 4C Spider 1.7 | Brera 2.0 | Giulietta 1.8 | Spider 1.8 | Spider 2.0 - **Dodge:** Journey 2.0 - **Fiat:** Bravo 1.6 Multijet | Bravo 2.0 Multijet | Doblo 1.6 Multijet | Doblo 2.0 Multijet | Ducato 115 Multijet | Linea 1.6 Multijet | Tipo 1.6 Multijet | Toro 2.0 | Toro 2.0 4X4 | Toro 2.0 4X4 Diesel | Toro 2.0 Diesel  
**Lancia:** Delta 1.6 Multijet | Delta 1.9 Multijet | Delta 2.0 Multijet - **Opel:** Combo 1.6 - **Suzuki:** SX4 2.0 | SX4 SCross 1.6

## MOTOR

**Alfa Romeo:** 51787218 | 51808557 - **Bosch:** 0001107478 | 0001107479 | 0001108420 | 0001108421 | 0001108450 | 0001108451 | 0001108456 | 0001108457 - **Chrysler:** 68080459AA - **Dodge:** 68080459AA - **Fiat:** 51787218 | 51808557 | 517872180 - **Lancia:** 51787218 - **Maserati:** A00518085570 - **Pininfarina:** 93951787218 | 93951808557 - **Suzuki:** 3110055L00 | 3110055L01 | 31100T55L00 | 3110055L00000 | 31100T55L01000

## EQUIVALENTE / Equivalent

**Bosch:** 1006209991

**1902****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

## APLICAÇÃO / Application / Aplicación

**Citroën:** Berlingo 1.1 - 1.6 HDi | C1 1.4 - 1.6 - 2.2 HDi | C2 1.4 - 1.6 - 2.2 HDi | C3 1.4 - 1.6 - 2.2 HDi | C4 1.4 - 1.6 - 2.2 HDi | C5 1.4 - 1.6 - 2.2 HDi | Jumpy 1.6 HDi | Nemo 1.4 HDi | Xsara 1.4 - 1.6 HDi - **Fiat:** Scudo 1.6 D Multijet - **Peugeot:** 1007 1.4 - 1.6 HDi | 107 1.4 - 1.6 HDi | 206 1.4 - 1.6 HDi | 207 1.4 - 1.6 HDi | 307 1.4 - 1.6 HDi | 407 1.4 - 1.6 HDi | Bipper 1.4 HDi | Expert 1.6 HDi | Ranch 1.6 HDi

## MOTOR

**Magneti Marelli:** 63280091 - **Nippondenso:** 4280001640

## EQUIVALENTE / Equivalent

**Magneti Marelli:** 85553621

**1903****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

## APLICAÇÃO / Application / Aplicación

**Citroën:** Jumper 2.5 TD TDI e 4X4 - **Peugeot:** 605 2.5 TD | Boxer 2.5 TD TDI e 4x4

## MOTOR

**Mitsubishi:** M2T84771

## EQUIVALENTE / Equivalent

**Mitsubishi:** M191X69271

**1904****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

## APLICAÇÃO / Application / Aplicación

**Nissan:** Almera 2.2 TD | Almera II Tino 2.2 dCi | Primera 2.2 Di | Xtrail 2.2 Di - dCi - 4x4

**1904****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 198

**MOTOR****Mitsubishi:** M8T71371 | M8T71471 | M8T75271 | M8T75371 | M8T75671**EQUIVALENTE / Equivalent****Mitsubishi:** M191X69671**1905****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación****Kia:** Pregio ND 2.2KW**EQUIVALENTE / Equivalent****Denso:** 151246**1906****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación****Nissan:** Cabstar | Frontier 3.0 | Navara 2.5 dCi 2005... | Pathfinder 2.5dCi 2005...**MOTOR****Mitsubishi:** M8T76071 | M8T76071ZE - **Nissan:** 23300EB300 | 23300EB30A | 23300EB30B**EQUIVALENTE / Equivalent****Mitsubishi:** M191X95971**1908****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación****Alfa Romeo:** Giulietta 1.4 TB Start/Stop | Mito 0.9 Start/Stop | Mito 1.3 JTDM Start/Stop - **Fiat:** 500 0.9 Start/Stop | 500 1.3 D Multijet Start/Stop | 500 C 0.9 Start/Stop | 500 C 1.3 D Multijet Start/Stop | 500 L 0.9 Natural Power Start/Stop | Doblo 1.3 Multijet Start/Stop | Fiorino 1.3 D Multijet Start/Stop | Grande Punto 1.3 D Multijet Start/Stop | Panda 0.9 4x4 Natural Power Start/Stop | Panda 1.3 D Multijet 4x4 Start/Stop | Punto 0.9 Twinair Turbo Start/Stop | Punto EVO 1.3 D Multijet Start/Stop | Qubo 1.3 Multijet Start/Stop - **General Motors/Chevrolet:** Aveo 1.2 LPG Start/Stop | Aveo 1.4 D Start/Stop | Cruze 1.4 Start/Stop | Orlando 1.4 Start/Stop | Trax 1.4 AWDS Start/Stop**MOTOR****Bosch:** 0001137003 | 0001137004 | 0001137005 | 0001138011 | 0001138012 | 0001138029 | 0001138030 | 0001138037 | 0001138038**EQUIVALENTE / Equivalent****Bosch:** 1006209608 | 1006210184 - **Suzuki:** 3132086L00**1909****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación****Mitsubishi:** ASX 2010 | Colt VI 2002...2010 | Lancer 2007 | Lancer Sportback 2008 | RVR 4A92 4A92 2012 - **Nissan:** March 1.0 2018**MOTOR****Mitsubishi:** MOT31671 | M000TD0971 | MOT33671ZT - **Nissan:** 233001HC0D**EQUIVALENTE / Equivalent****Mitsubishi:** M191T41271 | M191X41271**1910****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación****Audi:** A3 2.0 FSI - 1.9TDI - 2.0 TDI | TT 8 T - Quattro - **Seat:** Altea XL 2.0 FSI - 1.9TDI - 2.0 TDI | Cordoba 2.0 - 1.4 TDI - 1.9 TDI | Ibiza IV 2.0 - 1.4 TDI - 1.9 TDI | Ibiza V 1.4 TDI - 1.9 TDI | Leon 2.0 FSI - 1.9 TDI | Toledo III 2.0 FSI - 1.9TDI - 2.0 TDI - **Skoda:** Fabia 2.0 - 1.4 TDI - 1.9 TDI | Octavia 2.0 FSI - 1.9TDI - 4x4 - 2.0 TDI - 16V | Roomster 1.4 TDI - 1.9 TDI | Superb 1.9 TDI - **Volkswagen:** Caddy III 1.9 TDI | Golf IV 1.9 TDI - 4motion | Golf V 2.0 FSI - 1.9 TDI - 4motion - 2.0TDI | Jetta III 2.0 FSI - 1.9 TDI - 2.0TDI | Multivan V 1.9 TDI | Passat 1.9 TDI | Polo 2.0 - 1.4 TDI - 1.9 TDI | Touran 2.0 FSI - 1.9 TDI - 2.0 TDI | Transporter V 1.9 TDI**MOTOR****Valeo:** TS18E1**EQUIVALENTE / Equivalent****Valeo:** 192750

**1911****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Ágile 1.4 Gasolina e Flex 2011...2014 | Cobalt 1.4 Flex 2012...2020 | Cobalt 1.8 Gasolina e Flex 2012...2020 | Montana 1.4 e 1.8 Gasolina 2011...2019 | Montana 1.4 Flex 2011...2019 | Onix 1.0 e 1.4 Gasolina 2013...2021 | Prisma 1.0 e 1.4 Gasolina 2013...2021 | Spin 1.8 Gasolina e Flex 2013...2021

MOTOR

General Motors/Chevrolet: 24587020

EQUIVALENTE / Equivalent

Remy: 10543845

**1912****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

Hyundai: HB20 1.0

EQUIVALENTE / Equivalent

Remy: 10540773 | 10540773L

**1913****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

Hyundai: Accent 2015... | HB20 1.6 | Solaris 2011... - Kia: Rio 2015...

EQUIVALENTE / Equivalent

Hyundai: 361452B614 - Remy: 10535802 | 10535802L

**1915****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

Renault: Duster 2.0 L 2011... | Duster Oroch 2.0L 2015... | Sandero 2.0L 2016...

MOTOR

Nissan: 233008710R - Valeo: 495111 | TSL1210

EQUIVALENTE / Equivalent

Valeo: 501497

**1916****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

Mazda: 2 1.3 e 1.3 VTi | 2 1.5 I | 3 3 1.6 MZR

EQUIVALENTE / Equivalent

Mitsubishi: M191X42471

**1920****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

Audi: TT 1.8T / 3.2L - Seat: Alhambra 1.8T / 2.0L | Leon 1.8T / 2.0L | Toledo 1.8T / 2.0L

MOTOR

Bosch: 0001121022 | 0001121023

EQUIVALENTE / Equivalent

Bosch: 1006209769 | 1006209953 - Cargo: 236854

**1921****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

APLICAÇÃO / Application / Aplicación

KHD: Autocarri - Renault: Autocarri | Premium 2 7200cc - Volkswagen: 24280 Motor Man - Volvo: FE 7100cc | FE II | FL II | FL III 7146cc

MOTOR

Mitsubishi: M8T62471 | M008T62671

EQUIVALENTE / Equivalent

Mitsubishi: 241894471 | M191X94471

**1922****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación**

**Buick:** Encore 1.4 L4 Gasolina 2017...2018 - **General Motors/Chevrolet:** Cruze 1.4 turbo 4 Cilindros Gasolina 2016...2018 | Malibu 1.5 4 Cilindros 2017 | Tracker 1.4 Turbo 4 Cilindros Gasolina 2017...2019

**MOTOR**

**General Motors/Chevrolet:** 12673600 | 12680615 | 12690481 - **Mitsubishi:** M1T81782 | M001T81782

**1923****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** Accent 2014 | Elantra | ix55 3.8 V6 2011... | Veracruz 3.5 2012... - **Kia:** Carnival | Rio | Sedona 3.5 2013... | Sorento 4.3 V6 2012

**MOTOR**

**Hyundai:** 361003C151 | 3614525010 - **Remy:** 16160 | 8000465

**EQUIVALENTE / Equivalent**

**Hyundai:** K1J11B

**1924****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación**

**Mitsubishi:** Forklift FD35ABD | Forklift FD35AD | Forklift FD35AT | Forklift FDC20D | Forklift FDC25D

**MOTOR**

**Mitsubishi:** M005T22371 | M005T27671 | M005T27672

**EQUIVALENTE / Equivalent**

**Mitsubishi:** M191T57072 | M191T57081 | M191T57083 | M191Y57081

**1925****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 199

**APLICAÇÃO / Application / Aplicación**

**Citroën:** C1 (PM, PN) Eng. 1KRFE 1.0 50kw 1KRFE 2005...2015 | C1 1000, CFA, 1KRFE 2005...2008 - **Peugeot:** 107 - **Toyota:** Aygo 1000, 1KRFE 2005...2008

**MOTOR**

**Toyota:** 281000Q012 - **Valeo:** TS10E1

**EQUIVALENTE / Equivalent**

**Cargo:** 330533 - **Valeo:** 194440 | 194480 | 594734

**1926****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Audi:** A2 1.4 TDI | A3 1.6 S3 quattro | A3 1.9 TDI quattro - **Ford:** Galaxy 2.3 16V e 1.9 TDI - **Seat:** Alhambra 1.9 TDI - Tdi 4x4 | Arosa 1.4 TDI | Cordoba 1.6 e 2.0 i | Cordoba 1.9 D - SDI - TDI | Ibiza II - III - IV 1.4 TDI - 1.9 D - SDI - TD - TDI | Ibiza II - III 1.6 - 2.0 i | Inca 1.7 D - 1.9 D - SDI | Leon 1.4 16V - 1.6 - 1.9 SDI - TDI | Toledo I - II 1.9 D - SDI - TD - TDI - 2.0 i | Toledo II 1.4 16V - 1.6 - 2.3 V5 - **Skoda:** Fabia 1.4 TDI - 1.9 SDI - TDI - RS | Octavia 1.4 16V - 1.6 - 1.9 D - SDI - TD - TDI - 4x4 - **Volkswagen:** Bora 1.4 16V - 1.6 - 1.9 SDI - TDI - 2.3 V5-4motion | Caddy I 1.6 D | Caddy II 1.7 SDI - 1.9 D - SDI - TDI | Corrado 2.9 VR6 | Golf I 1.5 D - 1.6 D - 1.6 TD | Golf III 1.9 D - SDI - TD - GTD - TDI - Syncro | Golf III 2.0 - 2.8 VR6 - 2.9 VR6 Syncro | Golf IV 1.4 16V - 1.6 - 2.3 V5 - 4motion | Golf IV 1.9 SDI - TDI - 4motion | Jetta I 1.6 D - 1.6 TD | Lupo 1.4 TDI | New Beetle 1.9 TDI | Passat 1.6 TD - 1.9 D - TD - TDI - Syncro/4motion | Passat 2.0 - 2.3 VR5 - Syncro/4motion | Passat 2.8 VR6 - 2.9 VR6 Syncro | Polo 1.4 TDI - 1.6 - 1.9 SDI - TDI | Sharan 2.8 VR6 - Syncro - 1.9 TDI | Transporter IV 2.0 - 2.5 - Syncro - 2.8 V6 - VR6 | Transporter IV 2.4 D - Syncro - 2.5 TDI - Syncro | Vento 2.0 - 2.8 VR6 - 1.9 D - SDI - TD - TDI

**MOTOR**

**Valeo:** D7RS29 | D7RS30 | D7RS31 | D7RS129

**EQUIVALENTE / Equivalent**

**Cargo:** 231093 - **Valeo:** 188270 | 594389 | 594699

**1927****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Alfa Romeo:** 147 1.6 16V - 1.8 16V - 2.0 16V | 156 1.6 16V - 1.8 16V - 2.0 16V - **BMW:** 116i | 118i | 120i | 318i | X3 2.0i | Z4 2.0i - **Fiat:** Barchetta 1.8 16V | Punto HCT 1.8 16V | Stilo 1.8 16V - **Lancia:** Lybra 1.8 16V e 2.0 20V

**MOTOR**

**Bosch:** 0001107411 | 0001107490 | 0001107491

**1927****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

EQUIVALENTE / Equivalent

Bosch: 1006209805 | 1006209808 | 1006209814 | 1006209958 - Cargo: 234946

**1930****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

APLICAÇÃO / Application / Aplicación

Audi: A4 1.9 TDI 2001...2004 | A6 2001...2005 - Volkswagen: Passat 1.9 TDI 2000...2005

MOTOR

Valeo: D7GS9 | 438184 | 458231 - Volkswagen: 068911024L | 068911024LX

EQUIVALENTE / Equivalent

Cargo: 237291

**1932****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

APLICAÇÃO / Application / Aplicación

Hyundai: Creta 1.6 Start/Stop | i20 1.4 Gasolina Start/Stop | i30 1.4 Gasolina Start/Stop | i30 1.6 Gasolina Start/Stop - Kia: Carens 1.6 Gasolina Start/Stop 2013... | Ceed 1.4 Gasolina Start/Stop 2012... | Pro Ceed 1.4 Gasolina Start/Stop 2013... | Rio 1.4 Gasolina Start/Stop 2011... | Soul 1.6 Gasolina G4FDGDi Start/Stop 06/2011...

MOTOR

Bosch: 0001138051 | 0001138052 | 0001138055 | 0001138056 | 0001138073 | 0001138074 - Kia: 361002B302

EQUIVALENTE / Equivalent

Bosch: 1006210351 | 1006210927

**1933****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

APLICAÇÃO / Application / Aplicación

Ford: C Max 1.6L 1596cc 2007...2010 | Fiesta L4 1.6L 1596cc 97cid 2011...2012 | Fiesta L4 1.6L 1596cc 97cid VIN 2013...2017 | Fiesta L4 1.6L 1598cc 98cid 2011...2013 | Focus II 1.4L 1388cc 2004...2007 | Focus II 1.6L 1596cc 2004...2012 | Focus C Max 1.6L 1596cc 2003...2007

MOTOR

Ford: AE8T11000AB - Mitsubishi: M0T32271 | M000T32271 | M000T33571ZC

EQUIVALENTE / Equivalent

Mitsubishi: 092441971 | M191T41971 | M191YT41971 - WAI: 548358

**1934****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

APLICAÇÃO / Application / Aplicación

Volkswagen: Cross Up! 1.0 EA211 2014... | Crossfox 1.6 EA211 2015... | Fox 1.0 e 1.6 EA211 2013... | Gol 1.6 EA211 2014... | Golf 1.4 EA211 2013... | Saveiro 1.6 EA211 2014... | Spacefox 1.6 EA211 2014... | T-Cross 1.0 TSI 3cil 2018... | Up! 1.0 EA211 2014...

MOTOR

Valeo: 495109 | TSC10R6 - Volkswagen: 02M911021J

EQUIVALENTE / Equivalent

Valeo: 501498 | 1208965

**1935****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

APLICAÇÃO / Application / Aplicación

Buick: Regal L4 2.0L 1998cc 122cid 2014...2016 - Cadillac: ATS L4 2.0L 1998cc 122cid 2015 | ATS L4 2.5L 2457cc 150cid 2015 - General Motors/Chevrolet: Colorado L4 2.5L 2457cc 153cid 2015...2016 | Malibu L4 2.0L 1998cc 122cid 2016 | S10 Cab. Dupla (nova) 2L03-43 (LCV, N8D) 2015...2019 | S10 Cab. Simples (nova) 2L03-43 (LCV, N8D) 2015...2019 - GMC: Canyon L4 2.5L 2457cc 153cid 2015...2016

MOTOR

Denso: 4380002400 | 4380004420 - General Motors/Chevrolet: 12663053 | 12678752 - Lester: 16348

EQUIVALENTE / Equivalent

General Motors/Chevrolet: 93306250

1938	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 200
APLICAÇÃO / Application / Aplicación		
Fiat: Argo 1.0 e 1.3 Start/Stop 2015...   Cronos 1.3 2018...   Mobi 1.0 e 1.3 Start/Stop 2015...   Uno 1.0 e 1.3 Start/Stop 2015...		
MOTOR		
Bosch: 0001170416   0001170417   0001170420   0001170421 - Fiat: 52033809		
EQUIVALENTE / Equivalent		
Bosch: 1006210516   1006210949		

1939	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 200
APLICAÇÃO / Application / Aplicación		
Fiat: Argo 1.8 Start/Stop   Toro 1.8 Start/Stop - Jeep: Renegade 1.8 Start/Stop 2015...		
MOTOR		
Bosch: 0001170422   0001170423 - Fiat: 52014723		
EQUIVALENTE / Equivalent		
Bosch: 1006210940   1006210948		

1942	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 200
APLICAÇÃO / Application / Aplicación		
<b>Ford:</b> E150 V8 5.4L 330cid 2013...2014   E250 V8 4.6L 281cid 2014   E250 V8 5.4L 330cid 2013...2014   E350 Super Duty V10 6.8L 415cid 2013...2018   E350 Super Duty V8 5.4L 330cid 2013...2016   E450 Super Duty V10 6.8L 415cid 2013...2017   E450 Super Duty V8 5.4L 330cid 2013...2016   Expedition V8 5.4L 330cid 2013...2014   F150 V8 5.0L 4951cc 302cid 2013...2015   F150 V8 6.2L 6210cc 379cid 2014   F250 Super Duty V8 6.2L 6210cc 379cid 2013...2018   F350 Super Duty V8 6.2L 6210cc 379cid 2013...2018   F450 Super Duty V10 6.8L 415cid 2013...2018   F53 V10 6.8L 415cid 2013...2018   F550 Super Duty V10 6.8L 415cid 2013...2018   F59 V10 6.8L 415cid 2016...2018 - <b>Lincoln:</b> Navigator 2013-2014 V8 5.4L 330cid 2013...2014 - <b>Mercedes Benz:</b> C180 2.1 CDi (S204)[OM651.913] 01/2011...08/2014   C180 2.1 CDi (W204)[OM651.913] 01/2011...01/2014   C200 2.1 CDi (S204)[OM651.913] 08/2010...08/2014   C200 2.1 CDi (W204)[OM651.913] 01/2011...01/2014   C220 2.1 CDi (C204)[OM651.911] 06/2011...   C220 2.1 CDi (S204)[OM651.911] 12/2008...08/2014   C220 2.1 CDi (W204)[OM651.911] 12/2008...01/2014   C250 2.1 CDi (C204)[OM651.911] 06/2011...   C250 2.1 CDi (S204)[OM651.911] 01/2009...08/2014   C250 2.1 CDi (W204)[OM651.911] 08/2008...01/2014   C250 2.1 CDi 4-Matic (S204)[OM651.912] 04/2010...08/2014   C250 2.1 CDi 4-Matic (W204)[OM651.912] 01/2011...01/2014   CLS250 2.1 BlueTec (C218)[OM651.924] 04/2011...   E200 2.1 BlueTec (S212)[OM651.925] 11/2009...   E200 2.1 BlueTec (W212)[OM651.925] 01/2009...   E200 2.1 CDi (S212)[OM651.925] 11/2009...   E200 2.1 CDi (W212)[OM651.925] 01/2009...   E220 2.1 BlueTec (A207)[OM651.911] 01/2010...   E220 2.1 BlueTec (S212)[OM651.924] 11/2009...   E220 2.1 BlueTec (W212)[OM651.924] 01/2009...   E220 2.1 CDi (A207)[OM651.911] 01/2010...   E220 2.1 CDi (C207)[OM651.911] 01/2010...   E220 2.1 CDi (S212)[OM651.924] 11/2009...   E220 2.1 CDi (W212)[OM651.924] 01/2009...   E250 2.1 BlueTec (A207)[OM651.911] 01/2010...   E250 2.1 BlueTec (C207)[OM651.911] 01/2009...   E250 2.1 BlueTec (S212)[OM651.924] 11/2009...   E250 2.1 BlueTec (W212)[OM651.924] 01/2009...   E250 2.1 BlueTec 4-Matic (S212)[OM651.924] 07/2010...   E250 2.1 BlueTec 4-Matic (W212)[OM651.924] 01/2009...   E250 2.1 CDi (A207)[OM651.911] 01/2010...   E250 2.1 CDi (C207)[OM651.911] 01/2009...   E250 2.1 CDi (S212)[OM651.924] 07/2010...   E250 2.1 CDi (S212)[OM651.924] 11/2009...   E250 2.1 CDi (W212)[OM651.924] 01/2009...   GLK200 2.1 CDi (X204)[OM651.913] 07/2010...06/2015   GLK200 2.1 CDi (X204)[OM651.916] 07/2010...06/2015   GLK220 2.1 CDi (X204)[OM651.916] 12/2018...06/2015   GLK220 2.1 CDi 4-Matic (X204)[OM651.912] 12/2018...06/2015   GLK250 2.1 CDi 4-Matic (X204)[OM651.912] 09/2009...06/2015   Mixto 113 2.1 CDi (W639)[OM651.940] 09/2010...   Mixto 116 2.1 CDi (W639)[OM651.940] 09/2010...   SLK250 2.1 CDi (R172)[OM651.980] 01/2012...   SLK250 2.1 D (R172)[OM651.980] 01/2012...   Sprinter 213 2.1 CDi (906)[OM651.955] 03/2009...05/2016   Sprinter 213 2.1 CDi (906)[OM651.956] 03/2009...05/2016   Sprinter 213 2.1 CDi (906)[OM651.957] 03/2009...05/2016   Sprinter 313 2.1 CDi (906)[OM651.955] 05/2009...   Sprinter 313 2.1 CDi (906)[OM651.955] 06/2006...05/2016   Sprinter 313 2.1 CDi (906)[OM651.955] 08/2011...05/2016   Sprinter 313 2.1 CDi (906)[OM651.956] 05/2009...   Sprinter 313 2.1 CDi (906)[OM651.956] 06/2006...05/2016   Sprinter 313 2.1 CDi (906)[OM651.956] 08/2011...05/2016   Sprinter 313 2.1 CDi 4x4 (906)[OM651.955] 05/2009...   Sprinter 313 2.1 CDi 4x4 (906)[OM651.955] 06/2006...05/2016   Sprinter 313 2.1 CDi 4x4 (906)[OM651.955] 08/2011...05/2016   Sprinter 313 2.1 CDi 4x4 (906)[OM651.956] 05/2009...   Sprinter 313 2.1 CDi 4x4 (906)[OM651.956] 06/2006...05/2016   Sprinter 313 2.1 CDi 4x4 (906)[OM651.957] 03/2009...   Sprinter 316 2.1 CDi (906)[OM651.957] 03/2009...   Sprinter 316 2.1 CDi 4x4 (906)[OM651.955] 03/2009...   Sprinter 316 2.1 CDi 4x4 (906)[OM651.957] 03/2009...   Sprinter 316 2.1 CDi 4x4 (906)[OM651.957] 08/2011...   Viano 2.0 CDi (W639)[OM651.940] 07/2010...   Viano 2.0 CDi 4-Matic (W639)[OM651.940] 07/2010...   Viano 2.2 CDi (W639)[OM651.940] 07/2010...   Viano 2.2 CDi 4-Matic (W639)[OM651.940] 07/2010...   Vito 113 2.1 CDi (W639)[OM651.940] 09/2010...   Vito 113 2.1 CDi 4x4 (W639)[OM651.940] 09/2010...   Vito 116 2.1 CDi (W639)[OM651.940] 09/2010...   Vito 116 2.1 CDi 4x4 (W639)[OM651.940] 09/2010...		
MOTOR		
Denso: 4280005510   4280005511   4380000410 - Ford: DL3Z11002A   DL3T11000AA   DL3Z11002AFC - Lester: 19247 - Mercedes Benz: A6519060026		
EQUIVALENTE / Equivalent		
WAI: 548269		

1943	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 200
APLICAÇÃO / Application / Aplicación		
Honda: New Civic 2013		
MOTOR		
Denso: 4280008190		

**1945****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Saab:** 9 2X H4 2.5L 2458cc 2005...2006 - **Subaru:** Forester (SG) Eng.EJ20 2.0 AWD 92kw EJ20 2002...2005 | Forester (SG) Eng.EJ20 2.0 S Turbo AWD 130kw EJ20 2002...2005 | Forester H4 2.5L 2458cc 2003...2007 | Impreza Estate (GG) Eng.EJ20 2.0 AWD 92kw EJ20 2003...2005 | Impreza H4 2.5L 2458cc EJ251 2004 | Impreza H4 2.5L 2458cc EJ253 2005...2007 | Impreza H4 2.5L 2458cc EJ255 2006...2007 | Legacy IV (BL, BP) Eng.EJ20 2.0 AWD 101kw EJ20 2003...2005 | Legacy IV Estate (BL, BP, B13\_) Eng.EJ25 2.5 AWD 121kw EJ25 2003...2005 | Outback (BL, BP) Eng.EJ25D 2.5 AWD 121kw EJ25D 2007...2008 | Outback (BL, BP) Eng.EZ30 3.0 AWD 180kw EZ30 2003...2009 | Outback (BM, BR) Eng.EZ36D 3.6 R AWD 191kw EZ36D 2009...2011

**MOTOR**

**Mitsubishi:** MOT20171 | M000T20171 | M000T20175 - **Saab:** 32006007 - **Subaru:** 23300AA460 | 23300AA570

**EQUIVALENTE / Equivalent**

**Mitsubishi:** M191X18971 - **Subaru:** 23312AA080

**1947****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Ford:** Maverick 2700 1993...1996 - **Nissan:** Cabstar 2500 1987...1992 | D21 1986...1992 - **ZEN:** Utilizado no Impulsor ZEN 1608

**MOTOR**

**Hitachi:** S2408 | S2410 | S2411 | S13107 | S13118 | S2405B | S2408A | S13107A - **Iskra:** IS9319 - **Lester:** 30727 - **Nissan:** 2330010T02 | 23300Q2403 | 23300Q2404 | 23300Q2405 | 23300Q2406

**EQUIVALENTE / Equivalent**

**Cargo:** 133904 - **Hitachi:** 22403550 - **Nissan:** 2335410T00

**1949****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Kia:** Picanto

**EQUIVALENTE / Equivalent**

**Vulko:** 19629

**1950****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Hyundai:** i10 1.2, 57kW, 78HP, 1248cc 2008...2015 | i10 1.2, 63kW, 86HP, 1248cc 2011...2015 | i20 1.2, 57kW, 78HP, 1248cc 2008...2015 | i20 1.2, 63kW, 86HP, 1248cc 2012...2015 - **Kia:** Picanto

**MOTOR**

**Hyundai:** 3610003100 - **Kia:** 3610003200 | 3610003401 - **Lester:** 30350 - **Valeo:** 1250902 | 26024242A

**EQUIVALENTE / Equivalent**

**Vulko:** 19656

**1957****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 200

**APLICAÇÃO / Application / Aplicación**

**Ford:** Tratores - **Isuzu:** Amigo L4 2.3L 2254CC 1989...1993 | Amigo L4 2.6L 2559CC 1989...1989 | Impulse L4 2.0L 1994CC 1985...1989 | Impulse L4 2.3L 2254CC 1988...1989 | Motores Modelo 4ZE1 | Pickup L4 2.3L 2254CC 1986...1995 | Pickup L4 2.6L 2559CC 1988...1989 | Trooper L4 2.3L 2254CC 1986...1987 | Trooper L4 2.6L 2559CC 1988...1990 - **Kubota:** Trator L2250 | Trator L275 | Trator L2550 | Trator L285 | Trator L295 | Trator L3100 | Trator L3450 | Trator L3650 - **New Holland:** Tratores

**MOTOR**

**Kubota:** 1542563011 | 1550163012 | 1551163011 | 1552163012 | 1961663012 - **Nippon:** 0280006261 | 0280007740 | 0280008432 | 0280008740 | 0280009031 | 0280009032 | 1280000120 | 1280000130 | 1280000180 | 1280000181 | 1280000280 | 1280000300 | 1280000940 | 1280000950 | 1280001900 | 1280002131 | 1280002140 | 1280002190 | 1280004570 | 1280005080 | 1280005630 | 1280005691 | 1280006990 | 1280007471 | 2280000211

**EQUIVALENTE / Equivalent**

**Cargo:** 132864 - **Denso:** 0283002200 | 0283005490 | 0283005710 | 0283006210 - **Honda:** 31204657671 - **Isuzu:** 8941291870 - **Kubota:** 1552163041 - **Nippon:** 0283001800 | 0283002200 | 0283005490 | 0283005710 | 0283006210



**1958****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

## APLICAÇÃO / Application / Aplicación

**Honda:** Accord V 2.0 TDI Civic | Civic 2.0 Diesel 1997...2001 | Civic VI 2.0 Aerodeck TDi C | Civic VI Aerodeck 2.0 iD - **Land Rover:** Freelander 2.0 Diesel 1997...2000**Rover:** 200 1.8 Diesel 1991....1995 | 218 D - TD | 25 2.0 Diesel 2000.... | 418 D- TD | 420 D - Di | 45 2.0 Diesel 2000... | 620 Sdi | Montego 2.0 D Turbo

## MOTOR

**Bosch:** 0986020310 - **Denso:** 2280003980 | 2280003981 | 2280004960 | 2280004961 - **Honda:** 31200P5TG00 - **Lucas:** LRT105 | LRT00105 - **Remy:** DRS3798**Rover:** GNU4558 | NAD100580 | 77AD100580 - **Valeo:** VS573 | 458288 | 458607

## EQUIVALENTE / Equivalent

**Cargo:** 233642**1959****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

## APLICAÇÃO / Application / Aplicación

**Ssangyong:** Korando 2.0 16V Diesel 2011...2012 | New Korando 2.0 16V Diesel 2015

## MOTOR

**Ssangyong:** A6711510201**1962****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

## APLICAÇÃO / Application / Aplicación

**Toyota:** Dyna 100 2L e 2.5 TD 2002...2015 | HiAce 2500 2500 2.5 2001...2015 | Hilux 2500 2.5 2001...2016 | Land Cruiser 3.0 2000...2015 | Land Cruiser 3.TD 1996...2015

## MOTOR

**Denso:** 2280001770 | 2280001771 | 2280001772 | 2280004930 | 2280005220 | 2280005340 | 2280005341 | 2280005342 | 2280005650 - **Lester:** 31349

## EQUIVALENTE / Equivalent

**Cargo:** 233641 - **Denso:** 0283008011**1963****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

## APLICAÇÃO / Application / Aplicación

**Peugeot:** 305 | 305 XL

## MOTOR

**Lester:** 30393 - **Paris Rhone:** D9E57 | D9E98

## EQUIVALENTE / Equivalent

**Cargo:** 132176 - **Valeo:** 102846**1964****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

## APLICAÇÃO / Application / Aplicación

**Ford:** EcoSport 1.5 Transm. Manual 2017...2020 | KA Hatch, Sedan 1.5L DRAGON TIVCT 12V FLEX com Transm. Manual de 5 velocidades (MODELO MX65) 2018...2020

## MOTOR

**Bosch:** 0001194602 | 0001194603 | 0399709049 | 0399709050 | F000C60302 | F000C60303 | F002GC0014 | F002GC0044 | F002GC0045 - **Ford:** GN1511000AA | J7BT11000AA

## EQUIVALENTE / Equivalent

**Bosch:** 1006201510 | 1006212003 | 1006212005 | 1006485025**1965****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** Giulia 2.0 turbo 2016... | Stelvio Q4 2.0 turbo 2016...

## MOTOR

**Alfa Romeo:** 50532996 - **Bosch:** 0001172628 | 0001172629 - **Fiat:** 50532996

## EQUIVALENTE / Equivalent

**Bosch:** 1006210520 | 1006210533

**1966****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación****General Motors/Chevrolet:** Onix 1.0, 1.0 turbo 2020 | Tracker 1.0 e 1.2 turbo 2020**MOTOR****Bosch:** 0001192091 - **General Motors/Chevrolet:** 55514718 | 914778233**EQUIVALENTE / Equivalent****Bosch:** 1006212003 | 1006212005 | 1006485042**1967****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación****Fiat:** 500 1.0 e 1.2 Motor C60M | Panda 1.0 e 1.2 Motor C60M**MOTOR****Bosch:** 0001192082 | 0001192083 - **Fiat:** 51974929**EQUIVALENTE / Equivalent****Bosch:** 1006201048 | 1006212003 | 1006212005 | 1006485045**1968****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación****Fiat:** Argo Firefly 1.0 e 1.3 2017... | Cronos Firefly 1.3 2018... | Pulse 1.0 12V, motor Turbo 200, Flex 2022... | Pulse 1.3 8V, Motor Firefly, Flex 2022... | Toro 1.3 Turbo 2016... | Uno Flex Firefly 1.0 e 1.3 2016... | Uno Way Firefly 1.3 2018...**MOTOR****Bosch:** 0001194019 | 0001194020 | 0001194024 - **Fiat:** 52033810 | 52193795**EQUIVALENTE / Equivalent****Bosch:** 1006201037 | 1006212020 | 1006485019**1969****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación****Ford:** EcoSport 1.5 Transm. Automatica 2017...2020 | KA 1.5L DRAGON TIVCT 12V Transm. Automatica de 6 velocidades (6F15) 2018...2020**MOTOR****Bosch:** 0399709051 | 0399709052 | F000C60304 | F000C60305 | F002GC0046 | F002GC0047 - **Ford:** GN1511000BA**EQUIVALENTE / Equivalent****Bosch:** 1006201026 | 1006212020 | 1006485026**1970****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación****Chrysler:** Grand Voyager V(RT)Eng. EGH3.8148kw EGH 2007 | Grand Voyager V(RT)Eng. EGL3.8142kw EGL 2007 | Pacifica V6 3.8L 3778cc231cid 2006...2008 | Town E Country V6 3.3L 3301cc201cid 2006...2010 | Town E Country V6 3.8L 3778cc231cid 2006...2010 - **Dodge:** Caravan V6 3.3L 3301cc201cid 2006...2007 | Grand Caravan V6 3.3L 3301cc201cid VINE 2006...2007 | Grand Caravan V6 3.3L 3301cc201cid VINE 2009...2010 | Grand Caravan V6 3.3L 3301cc201cid VINH 2008 | Grand Caravan V6 3.3L 3301cc201cid VINR 2006...2007 | Grand Caravan V6 3.8L 3778cc231cid VIN1 2009...2010 | Grand Caravan V6 3.8L 3778cc231cid VINL 2006...2007 | Grand Caravan V6 3.8L 3778cc231cid VINP 2008 - **Jeep:** Wrangler V6 3.8L 3778cc231cid 2009...2010 | Wrangler V6 3.8L 3778cc231cid VIN1 2011 - **Volkswagen:** Routan V6 3.8L 3778cc231cid VIN1 2009...2010**MOTOR****Chrysler:** 4748046AA | 04748046AA | 4748046AB | 04748046AB | 4748046AC | 04748046AC | 4801850AA | 04801850AA - **Denso:** 4280003070 | 4280003071 | 4280003072 | 4280006640 - **Lester:** 17949 - **Volkswagen:** 7B0911023**1974****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación****Fiat:** Mobi 1.0, 3 cil, GSE 2017... | Nova Strada 1.3, 4 cil, GSE 2020...**MOTOR****Denso:** 4380003370 | BC4380003370 - **Fiat:** 52032619 | 00520326190

**1975****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación**

**Audi:** A4 1.4 e 2.0 TFSI 2015.... | A4 Allroad, 2.0 TFSI 2016.... | A4 Avant Quattro, 2.0 TFSI 2015... | A4 Avant, 1.4 E 2.0 TFSI 2015... | A5 Cabriolet Quattro, 2.0 TFSI 2017... | A5 Cabriolet, 2.0 TFSI 2017... | A5 Coupe 1.4 TFSI 2016... | A5 Coupe Quattro, 2.0 TFSI 2016... | A5 Coupe, 2.0 TFSI 2016... | A5 Sportback 1.4 TFSI 2017... | A5 Sportback G-tron, 2.0 TFSI 2016... | Q5 45 Quattro, 2.0 TFSI 2016.... | Q5 Quattro, 2.0 TFSI 2016....

**MOTOR**

**Audi:** 06L911021 - **Bosch:** 0001172402 | 0001172403 - **Volkswagen:** 06L911021A | 06L911021B | 06L911021X | 06L911021AX | 06L911021BX

**EQUIVALENTE / Equivalent**

**Bosch:** 0399D73275 | 1006210511 - **WAI:** 549124

**1976****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación**

**Chery:** Tiggo 2.0 16V 2009...

**MOTOR**

**Chery:** QDY1201

**EQUIVALENTE / Equivalent**

**GNR:** S520001

**1977****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación**

**Lifan:** X60 1.8L 2013 - **Prestolite:** Série M74R

**MOTOR**

**Lifan:** QDY1203 | LFB479Q3708100A - **Prestolite:** 35263380

**EQUIVALENTE / Equivalent**

**Prestolite:** 35263275

**1978****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 201

**APLICAÇÃO / Application / Aplicación**

**Audi:** A3 L4 1.8L 2015...2016 | A3 Quattro L4 2.0L 2015...2017 | S3 L4 2.0L 2015...2017 | TT Quattro L4 2.0L 2011...2018 - **Seat:** Alhambra 2.0 TSI 2010 | Altea Altea XL 2.0 TFSI 2009 | Leon (5F1) 2.0 2013...2015 - **Skoda:** Octavia 2.0 TSI 2012...2013 | Superb 2.0 TSI 2010...2015 - **Volkswagen:** Beetle 1.8 TSI 2013 | Beetle L4 2.0 2011...2017 | CC 2.0, Turbo 2011...2013 | CC L4 2.0L 2012...2017 | Eos L4 2.0 2012...2016 | Golf 1.6 Turbo, Gas (CSR) 2014 | Golf 2.0 2009...2011 | Golf 2.0, Turbo, Gas (CGM) 2012 | Golf Alltrack L4 1.8 2017...2019 | Golf R L4 2.0 2015...2017 | GTI L4 2.0 2012...2018 | Jetta L4 2.0 2012...2018 | Magotan 2.0, Turbo, Gas (CGM) 2012...2013 | Passat 2.0 2013...2015 | Passat 2.0, Turbo, Gas (CGM) 2011 | Passat L4 2.0 2010 | Sagitar 2.0, Turbo, Gas (CGM) 2013 | Sharan 2.0 TSI 2010 | Tiguan 2.0 TSI 2011 | Transporter 2.0 TSI 2015

**MOTOR**

**Audi:** 02E911023S | 02E911023SX - **Bosch:** 0001121416 | 0001121417 | 0001121435 | 0001121436 - **Lester:** 19214 - **Seat:** 02E911023S - **Skoda:** 02E911023S

**Volkswagen:** 0AM991024 | 0AM991024X | 02E911023SX

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210218

**1981****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Qashqai 1.6 2013/... | X-trail 1.6, T32R 2014/2016 | X-trail 1.6, T32RR 2016/... - **Renault:** Captur 1.5 2013/... | Clio 1.5 2016/... | Dokker 1.2 2012/2015 | Dokker 1.3 2019/... | Dokker 1.5 2018/... | Dokker 1.6 2015/... | Duster 1.5 2018/... | Espace 1.6 2015/... | Gran Scenic 1.5 2016/... | Kadjar 1.5 2015/... | Kaleos 1.6 2017/... | Kangoo 1.5 2015/... | Megane 1.5 2011/2016 | Megane 1.5, Hatchback 2011/2016 | Megane 1.6, Grandtour 2015/... | Scenic 1.5 2010/2016 | Talisman 1.6 2015/...

**MOTOR**

**Bosch:** 0001170604 | 0001170605 | 0001170606 | 0001170607 | 0001170616 | 0001170617 | 0001170620 | 0001170621 | 0001170622 | 0001170623 | 0001170624 | 0001170625 | 0001170628 | 0001170629 | 0001170632 | 0001170633 | 0001170634 | 0001170635 | 0001170636 | 0001170637 | 0001170638 | 0001170639 | 0001170646 | 0001170647 - **Nissan:** 203005776R | 231004GD3A | 2330000Q2E | 233000379R | 233001379R | 233001596R | 233003131R | 233003359R | 233004682R | 233004868R | 233005513R | 233007224R | 233008131R - **Renault:** 231004GD3A | 233000379R | 233000686R | 233001379R | 233001596R | 233003131R | 233003359R | 233003759R | 233004682R | 233004868R | 233005513R | 233005776R | 233007224R | 233008131R

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210331

**1982****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Berlingo 1.6 2015/2018 | C3 1.6 2014/2016 | C4 1.6 2014/... | DS3 1.6 2013/2015 | DS4 1.6 2013/2015 | DS5 1.6 2015/... | Jumpy 1.6 2017/... | SpaceTourer 1.6 2016/...  
**Opel:** Combo 1.6 2018/... | Crossland X 1.6 2017/... | Grandland X 1.6 2017/... - **Peugeot:** 2008 1.6 2014/... | 208 1.6 2014/... | 3008 1.6 2014/... | 5008 1.6 2017/... | 508 1.6 2014/2018 | Expert 1.6 2016/... | Partner 1.6 2014/... | Rifter 1.6 2018/... | Traveller 1.6 2016/...

**MOTOR**

**Bosch:** 0001174600 | 0001174601 - **Citroen:** 9675660680 - **Lester:** 30839 - **Opel:** 3640268 - **Peugeot:** 9675660680 - **Vauxhall:** 3640268

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210321

**1983****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**BMW:** 114 1.5 2015/... | 116 1.5 2015/... | 118 1.5 2015/... | 120 2.0 2016/... | 125 2.0 2016/... | 218 1.5 2015/... | 220 2.0 2016/... | 230 2.0 2015/... | 318 1.5 2015/... | 320 1.6, 2.0 2015/... | 330 2.0 2016/... | 418 1.5 2015/... | 420 2.0 2016/... | 430 2.0 2016/... | 520 1.6, 2.0 2017/... | 530 2.0 2017/... | 630 2.0 2017/... | 730 2.0 2015/... | X3 1.6 e 2.0 2017/... | X4 2.0 2018/...

**MOTOR**

**BMW:** 8621839 | 8621866 | 12418621838 | 12418621839 | 12418621866 - **Bosch:** 0001170202 | 0001170203 | 0001170602 | 0001170603 - **Steyr Fahrzeugtechnik:** 862183904 | 862183905

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210505

**1984****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**BMW:** 214 1.5 2015...2018 | 216 1.5 2015... | 218 1.5 e 2.0 2014... | 220 2.0 2014... | 225 2.0 2014... | X1 2.0 2015...2018 - **Mini:** MBM One 1.2, 1.5 2015...2017 | MBM Cooper 1.5, 2.0 2014...

**MOTOR**

**BMW:** 12417649090 | 124185708848 - **Bosch:** 0001170200 | 0001170201 | 0001172204 | 0001172205 - **Lester:** 31384

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210316

**1985****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Audi:** A1 2.0 2018... | A3 1.8 2014...2016 | A3 2.0 2016... | Q3 1.4 2014...2018 | Q3 2.0 2012...2018 | RS3 Limousine 2.5 2017... | RSQ3 2.5 2013...2015 | S3 2.0 2013...2016 | TT 2.0 e 2.5 2014... | TTS 2.0 2015... - **Seat:** Alhambra 1.4 e 2.0 2015... | Ateca 1.4 2016... | Leon 1.4, 1.8 e 2.0 2013...2018 | Tarraco 1.4 e 1.5 2018... - **Skoda:** Octavia 2.0 2012...2017 | Superb 2.0 2015... - **Volkswagen:** Beetle 2.0 2014...2016 | Caddy 1.4 2015... | California 2.0 2015... | Caravelle 2.0 2015... | CC 2.0 2014...2016 | Golf 1.8 2014...2017 | Golf 2.0 2018... | Multivan 2.0 2015... | Passat 2.0 2014... | Polo 2.0 2017... | Scirocco 2.0 2014...2017 | Sharan 1.4 2015... | Tiguan 1.4 e 2.0 2016... | Transporter 2.0 2015...

**MOTOR**

**Bosch:** 0001179518 | 0001179519 - **Lester:** 30236 - **Skoda:** 02E911024B - **Volkswagen:** 02E911024B

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210273

**1986****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Ford:** Focus 2.0 2014... | Focus 2.3 2016... | Galaxy 2.0 2015... | Mondeo 2.0 2014... | S-Max 2.0 2015...

**MOTOR**

**Bosch:** 0001172404 | 0001172405 | 0001172410 | 0001172411 | 0001180602 | 0001180603 - **Ford:** DS7Z11002J | GV6T11002A | DS7T11000GA | F1FT11000NA | F1FT11000NB | GV6T11000AA

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210501 - **WAI:** 549116

**1989****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

General Motors/Chevrolet: Cheyenne 5.3 2012...2014 | Sierra 5.3 2014 | Silverado 5.3 2014

MOTOR

General Motors/Chevrolet: 12645040 - Lester: 10911 - Valeo: 849501 | FS1832 | FS18N1

**1993****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

Land Rover: Freelander 3.2, 4x4 2006/2014

MOTOR

Bosch: 0001121422 | 0001121423 | 0001121427 | 0001121428 | 0001121443 | 0001121444 - Ford: 6G9N11000LA | 6G9N11000LB | 6G9N11000LC | 6G9N11000LD

Land Rover: LR002348 | LR029180

EQUIVALENTE / Equivalent

Bosch: 1006209835

**1995****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

Hino: NP500

**1996****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

Hino: NP700

**1997****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

Renault: Kwid 1.0 3 Cilindros 2016... | Logan 1.0 3 Cilindros 2016... | Sandero 1.0 3 Cilindros 2016...

MOTOR

Comstar: 9ET0066AI - Renault: 233006904R

**2000****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

Mitsubishi: Canter 4M40, 2.8 TD 1996...2015 | Canter 4M42, 3.0 Tdi 2000...2015 | Galant VI 4M40T, 2.8 TD 1996...2001 | Montero 4M41, 3.2 DI-D 2000...2015 | Pajero II 4M40, 2.8 TD 1995...2000 | Pajero II 4M40T, 2.8 TD 1994...1999 | Pajero III 4M41 3.2 Di-D 2000...2001 | Pajero III 4M41 3.2 Di-D 2000...2006 | Pajero III 4M41, 3.2 DI-D 2000...2015 | Pajero III Off-Road 4M41 3.2 D 2000...2006 | Pajero III Off-Road 4M41 3.2 DI-D 2000...2006 | Pajero III Off-Road 4M41 3.2 DI-D 2001...2006 | Pajero IV 4M41 3.2 DI-D 2007 | Pajero IV 4M41 3.2 DI-D 2009 | Pajero IV 4M41 3.2 TD 2010 | Pajero IV 4M41, 3.2 DI-D 2007...2015 | Shogun 4M41, 3.2 DI-D 2000...2015

MOTOR

Lester: 30026 | 31241 - Mitsubishi: M8T75071 | M8T75971 | ME224424A | M008T75071 | M008T75971 | M008T80471 | M008T80472 | M00E193880 | M008T75071A | M008T80471A | M008T80472A

EQUIVALENTE / Equivalent

Mitsubishi: 94271 | M191X94271

**2001****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

APLICAÇÃO / Application / Aplicación

Citroën: C3 1.2, Puretech 2018... - Peugeot: 208 1.2, Puretech 2018...

MOTOR

Citroën: 9688477380 - Peugeot: 9688477380 - Valeo: 501435 | TSC1018

EQUIVALENTE / Equivalent

Valeo: 501428

**2005****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Audi:** A1 1.6TDI 2010...2016 | A3 1.6TDI 2009...2016 - **Seat:** Altea 1.6TDI 2010...2016 | Ibiza 1.2TDI 2010...2016 | Ibiza 1.6TDI 2009...2016 | Leon 1.6TDI 2010...2012 | Toledo 1.6TDI 2013 - **Skoda:** Fabia 1.2TDI 2010...2016 | Fabia 1.6TDI 2010...2016 | Octavia 1.6TDI 2009...2016 | Rapid 1.6TDI 2012...2016 | Roomster 1.2TDI 2010...2016 | Roomster 1.6TDI 2010...2016 | Superb 1.6TDI 2010...2016 - **Volkswagen:** Beetle 1.6TDI 2011 | Caddy 1.6TDI 2010...2016 | California T5 2.0TDI 2009...2016 | Caravelle T6 2.0TDI 2015...2016 | Golf 1.6TDI 2009...2016 | Golf 2.0TDI 2008...2016 | Jetta 1.6TDI 2011...2016 | Jetta 2.0TDI 2010 | Multivan T5 2.0TDI 2009...2016 | Passat 2.0TDI 2008...2010 | Polo 1.2TDI 2009...2016 | Polo 1.6TDI 2009...2016 | Touran 1.6TDI 2010...2016 | Touran 2.0TDI 2010...2016 | Transporter T5 2.0TDI 2009...2016

**MOTOR**

**Audi:** 02Z911023K | 02Z911023M | 02Z911023N | 02Z911023P | 02Z911024K | 02Z911023KX | 02Z911023MX | 02Z911023NX | 02Z911023PX | 02Z911024KX - **Lester:** 30210 - **Valeo:** 438225 | 458389 | 458714 | TS18ER21 | TS18ER121 - **Volkswagen:** 02Z911023K | 02Z911023M | 02Z911023N | 02Z911023P | 02Z911024K | 02Z911023KX | 02Z911023MX | 02Z911023NX | 02Z911023PX | 02Z911024KX

**EQUIVALENTE / Equivalent****Valeo:** 595622**2006****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Audi:** A1 2.0 TDI 2012 | A3 2.0 TDI 2008...2013 | Q3 2.0 TDI 2011...2015 | TT 1.8 TFSI 2015 | TT 2.0 TDI 2008...2010 | TT 2.0 TDI 2008...2014 - **Seat:** Altea 1.6 TDI 2009 | Altea 2.0 TDI 2004...2010 | Cordoba 1.9 TDI 2002...2009 | Ibiza IV 1.9 TDI 2002...2009 | Ibiza V 2.0 TDI 2010 | Leon 2.0 TDI 2005...2012 | Toledo III 2.0 TDI 2004...2009 - **Skoda:** Fabia 1.9 TDI 2005...2008 | Octavia 1.6 TDI 2009...2013 | Octavia 2.0 TDI 2004...2013 | Superb 2.0 TDI 2008...2015 - **Volkswagen:** Beetle 2.0 TDI 2012 | Caddy III 2.0 TDI 2010 | CC 2.0 TDI 2011...2012 | EOS 2006...2008 | Golf 2.0 TDI 2004...2013 | Golf V 3.2 2005...2008 | Jetta IV 2.0 TDI 2011 | Jetta III 2.0 TDI 2005...2010 | Passat 2.0 TDI 2005...2014 | Scirocco 2.0 TDI 2010...2013 | Tiguan 2.0 TDI 2008...2012 | Touran 2.0 TDI 2003...2015 | Transporter V 3.2 2004...2009 | Transporter VI 2.0 TDI 2015

**MOTOR****Valeo:** TS18ER20 | TS18ER22 | TS18ER23 | TS18ER20B | TS18ER123B - **Volkswagen:** 02M911024M | 02M911024P | 02M911024PX**EQUIVALENTE / Equivalent****Valeo:** 595634**2009****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 202

**APLICAÇÃO / Application / Aplicación**

**Alpine Makine:** Track Loader 2.2, Série M - **Atlas:** AR 1.5, 30 | AR 1.5, 35 Super | AR 1.5, 40 - **Atlas Copco:** QLT H40 - **BBA:** Série BA 2.2, BA100 E D265 - **Bomag:** BF223C 2.2 - **Caterpillar:** Motor 2.2 - **Dynapac:** Rolo Compressor 1.1, CC1000 | Rolo Compressor 1.1, CC800 | Rolo Compressor 1.1, CC900 | Rolo Compressor 1.1, CC900G | Rolo Compressor 1.1, CC900S - **Engeen SRL:** Gerador 1.5, EPS 16, 51 | Gerador 2.2, EPS 224 - **JCB:** Carregadeira 0, 52040AGRI | Carregadeira 0, 52040WM | Carregadeira 2.2, 160 | Carregadeira 2.2, 160WM | Carregadeira 2.2, 170/HF | Carregadeira 2.2, 180/HF | Carregadeira 2.2, 180T/HF | Carregadeira 2.2, 190T/HF | Carregadeira 2.2, 52040 | Carregadeira 2.2, 52450 | Carregadeira 2.2, ICX, HF | Carregadeira 2.2, MIDI CXCM | Carregadeira 2.2, MIDI CXSS | Carregadeira 2.2, TLT25 | Carregadeira 2.2, TLT30 | Carregadeira 2.2, TLT30WM | Carregadora compacta 2.2, 180T, HF | Carregadora compacta 2.2, 190T, HF | Escavadora 0, 9030ZTS | Escavadora 1.1, 8008CTS | Escavadora 1.1, 8014 CST | Escavadora 1.1, 8016 CTS | Escavadora 1.1, 8018 CTS | Escavadora 1.1, 8020 CTS | Escavadora 1.5, 8025 ZTS | Escavadora 1.5, 8030 CTS, ZTS | Escavadora 1.7, 8035 ZTS | Escavadora 2.2, 8040 ZTS | Escavadora 2.2, 8045 ZTS | Escavadora 2.2, 8050 ZTS | Mini Escavadora 1.1, 8010CTS - **Jungheinrich:** Empilhadeira DFG316 | Empilhadeira DFG316S | Empilhadeira DFG320 | Empilhadeira DFG320S - **Magni:** Empilhadeira 2.2, Ricklift 13 - **Manitou:** Plataforma aérea 2.2, 160 ATJ - **Mosa:** GE 1.5, 15PSX EAS | GE 2.2, 20PSX EAS | TS 2.2, 400 PS BC | TS 2.2, 500 PS BC 60hZ - **Perkins:** 103-13 1.3 | 103-15 1.5 | 104-19 2.0 | 104-22 2.2 | Série 403 0.7, 403C07 2004... | Série 403 1, 403C10 2002... | Série 403 1.1, 403C11 2002... | Série 403 1.1, 403D11 2002... | Série 403 1.5, 403C11G 2004... | Série 403 1.5, 403C15 | Série 403 1.5, 403C15G | Série 403 1.5, 403D15 | Série 403 1.5, 403D15T | Série 403 1.5, 403D17 | Série 403 2, 404C20 | Série 403 2.2, 404C22 2004... | Série 403 2.2, 404C22G 2004... | Série 403 2.2, 404D22 2000... | Série 403 2.2, 404D22G 2000... | Série 403 2.2, 404D22T 2002... - **Sandvik:** DC120 2.2 - **Sauerburger:** Carregadora 1.1, SH200 | Carregadora 1.5, SH300 | Carregadora 1.5, SH336 | Carregadora 1.5, SH400 | Carregadora 2.2, SH500 | Carregadora 2.2, SH500T | Carregadora 2.2, SH555 | Empilhadeira 2.2, FXScopic 5620 - **Skyjack:** Plataforma aérea 2.2, SJ40 T | Plataforma aérea 2.2, SJ46 AJ | Plataforma aérea 2.2, SJ63 AJ | Plataforma aérea 2.2, SJ85 AJ - **Turbosol:** Bomba de concreto 2.2, TB 30 | Bomba de concreto 2.2, TB 30 C - **Venieri:** 133 B 2.2 2005...2013 - **Wacker Neuson:** Escavadora 2.2, ET65 | Escavadora 2.2, EZ 53 | Retroescavadeira 1.1, WL 18 | Retroescavadeira 1.5, WL 20 | Retroescavadeira 1.5, WL 25 | Retroescavadeira 2.2, WL 30 | Retroescavadeira 2.2, WL 36 | Retroescavadeira 2.2, WL 44 - **Weidemann:** Carregadeira 1.1, 1140 | Carregadeira 1.1, 116 Standrad | Carregadeira 1.5, 1160 | Carregadeira 1.5, 1240 CX35 LP | Carregadeira 1.5, 1260 | Carregadeira 1.5, 1280 | Carregadeira 2.2, 1350 CX45 | Carregadeira 2.2, 1350 CX45 CAB | Carregadeira 2.2, 1370 CX50 | Carregadeira 2.2, 1370 CX50 CAB | Carregadeira 2.2, 1770 CX50 | Carregadeira 2.2, 1770 CX50 CAB | Carregadeira 2.2, 2070 CX50 | Carregadeira 2.2, 2070 CX50 LP | Carregadeira 2.2, 2070 CX50 LP T | Carregadeira 2.2, 2070 CX50 T - **Weycor:** Carregadeira 1.5, AR 30 | Carregadeira 1.5, AR 40 - **Zetor:** Trator Utilix 2.2, CL 45 | Trator Utilix 2.2, CL 55 - **Zoomlion:** Plataforma aérea 2.2, ZA14 J

**MOTOR**

**Iskra:** IS1101 | AZE2155 | AZE2156 | AZE2178 | 11131265 | 11131267 | 11131419 - **JCB:** 71435600 | 71440482 - **Jungheinrich:** 19960488 | 19960489 | 50027532 - **Lester:** 18949 - **Lucas:** LRS01580 - **Magneti Marelli:** 63521090350 - **Mahle:** MS86 | MS241 - **Perkins:** P30DC03A | U5MK8260 | 185086600 | U85086770 - **Prestolite:** 20513016 - **Steinbock:** 8157761

**EQUIVALENTE / Equivalent****Iskra:** 16907267 - **Mahle:** MSX1277

**2016****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

**Volkswagen:** Gol 2004...2006 | Golf 2003...2006 | Pointer 2003...2006

MOTOR

**Bosch:** F000AL0503 - **Volkswagen:** 5X0911023A

EQUIVALENTE / Equivalent

**Bosch:** F000AL1685 | F000AL2221**2019****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Tracker 1.0 AT Start/Stop 2020... | Tracker 1.2 AT Start/Stop 2020...

MOTOR

**Bosch:** 0001170663 - **General Motors/Chevrolet:** 55514717

EQUIVALENTE / Equivalent

**Bosch:** 1006210535**2022****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

**Chrysler:** Cruiser 2.2 2002...2010 - **Jeep:** Grand Cherokee 2.7 2001...2005

MOTOR

**Lester:** 32691 - **Mitsubishi:** M2T88572 | M002T88572 | M2T88572ZC | M002T88572ZC | M2T88572ZCKD | M002T88572ZCKD

EQUIVALENTE / Equivalent

**Cargo:** 333127 - **Mitsubishi:** M191T94571**2023****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

**Nissan:** Almera 1.5, 1.6, 1.8 2000... | Micra 1.0 16V 2000... | Micra 1.4 16V 2000...

MOTOR

**Valeo:** D7E29 | D7E31 | D7E32

EQUIVALENTE / Equivalent

**Cargo:** 234996 - **Valeo:** 190694 | 191775 | 594451**2024****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

**BMW:** 3 2001...2007 | 320 2001...2005 | 335d L6 3.0 2009...2011 | 7 2005...2008 | X3 2.0 2004...2008 | X5 3.0 2007...2008 | X5 L6 3.0 DIESEL 2010...2014

MOTOR

**BMW:** 12417787354 | 12417787356 - **Valeo:** D7G4 | D7G13 | 190365 | 438151 | 438188 | 438213 | 458166 | 458236 | 458364 | TS18E7

EQUIVALENTE / Equivalent

**Cargo:** 236238 - **Valeo:** 190783 | 200039 | 594465**2025****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

**Chrysler:** Sebring 2.0 CRD 2007...2010 - **Dodge:** Avenger 2.0 CRD 2007...2015 | Caliber 2.0 CRD 2006...2015 | Journey 2.0 CRD 2008...2011 - **Jeep:** Compass 2.0 CRD 2006...2015 | Patriot 2.0 CRD 2006...2015 - **Mitsubishi:** Grandis 2.0 DID 2005...2015 | Lancer 2.0 DID 2008...2012 | Lancer VIII 2.0 DID 2008...2015 | Outlander 2.0 DID 2007...2015

MOTOR

**Mitsubishi:** 1810A062 | M1T93071 | M1T93371 | M001T93071 | M001T93371 | M1T93371ZC | M001T93371ZC

EQUIVALENTE / Equivalent

**Cargo:** 331942 - **Mitsubishi:** M191T41471

**2026****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

Nissan: Primera 1.6 16V 1996...2002

MOTOR

Lester: 31154 - Magneti Marelli: MSN613 | 63192000 | 63102000A | 944280186210 - Valeo: 458317

EQUIVALENTE / Equivalent

Cargo: 231414 - Lucas: 85541220010 - Magneti Marelli: 85541220

**2028****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

Chery: QQ 1.1

MOTOR

Chery: QDJ1260 | QDY1204 | S113708110GA

EQUIVALENTE / Equivalent

GMR: S520003

**2030****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

Hyundai: Terracan 2.9 CRDi 2003...2015 - Kia: Carnival 2.9 TD 1998...2006 | Sedona II 2.9 TD 2001...2010

MOTOR

Hyundai: 361004X210 | 361004X211 - Kia: 0K55218400 | 0K55218400A - Lester: 32623 | 33187 - Poong Sung: 031114140 | 031114240 | 031114241

EQUIVALENTE / Equivalent

Cargo: 235095

**2031****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

Land Rover: Defender 2.5 TD5 1998...2015 | Discovery 2.5 TD5 1998...2015

MOTOR

Denso: 2280007220 - Land Rover: NAD101240 | 77AD101240

EQUIVALENTE / Equivalent

Cargo: 235101

**2032****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

Hyundai: Elantra 2.0 CRDi 2001...2006 | Santa Fé 2.0 CRDi 2001...2006 | Trajet 2.0 CRDi 2001...2008 | Tucson 2.0 CRDi 2004...2010 - Kia: Carens 2.0 CRDi 2002... | Cerato 2.0 CRDi 2004... | Sportage 2.0 CRDi 2004...

MOTOR

Hyundai: 3610027000 - Lester: 32568 - Poong Sung: 031013170 | 031013190 | 031013220

EQUIVALENTE / Equivalent

Cargo: 236607 - Hyundai: 3613927000

**2033****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

APLICAÇÃO / Application / Aplicación

Fiat: Tipo 1.6 Multijet 2015... | Toro 2.0 4x4 Diesel - Suzuki: Vitara 1.6 2016...

MOTOR

Bosch: 0001174400 | 0001174401 | 0001174406 | 0001174407 - Fiat: 51916171 - Suzuki: 3110055PA0 | 3132055PA0 | 3110055TA0000 | 31100T55PA000 | 3132055PA0000 | 31320T55PA000

EQUIVALENTE / Equivalent

Bosch: 1006210300



**2034****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

## APLICAÇÃO / Application / Aplicación

**Lexus:** ES330 3.3 V6 2004...2006 | ES350 3.5 2012... | NX200 2.0 2015...2017 | RX300 3.0 2003... | RX330 3.3 V6 2004...2006 | RX350 3.5 V6 2007...2009 | Scion 2.4 2007...2015 - **Toyota:** Avenis 2.0 2003... | Avenis 2.4 2003... | Camry 2.4 2007...2009 | Camry 3.0 V6 2001... | Camry 3.3 V6 2004...2006 | Camry 3.5 V6 2007...2009 | Highlander 2.7 2009 | Highlander 3.3 V6 2004...2007 | Highlander 3.5 2008...2009 | Rav4 3.5 V6 2006...2008 | Rav4 L4 2.4 2006...2008 | Rav4 L4 2.5 2012...2017 | Solara 2.4, 3.0 V6 2002...2006

## MOTOR

**Denso:** 4280001840 | 4280001841 | 4280001842 - **Lester:** 17825 - **Toyota:** 2810020020 | 2810020021 | 2810020022 | 281002002084

## EQUIVALENTE / Equivalent

**Denso:** 0283009571 - **Toyota:** 2822628041 - **WAI:** 5482419

**2035****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

## APLICAÇÃO / Application / Aplicación

**Hyundai:** Creta 2.0 Start Stop 2020 | Elantra 2.0 Start Stop 2021... | Ix35 2.0 Start Stop 2020 | Kona 2.0 Start Stop 2022... - **Kia:** Seltos 2.0 Start Stop 2021... | Soul 2.0 Start Stop 2020...

## MOTOR

**Hyundai:** 361002J300 - **Lester:** 16413 - **Valeo:** 1216880

**2042****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** Sedan 1.6

## EQUIVALENTE / Equivalent

**Bosch:** 9008042136

**2043****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 203

## APLICAÇÃO / Application / Aplicación

**Toyota:** Corolla 1.5, 2.0 2019... | Corolla Cross 1.5, 2.0 2019...

## MOTOR

**Denso:** 4380005170 | 4380006490 | BC4380005170 | BC4380006490 - **Toyota:** 28100F2060

## EQUIVALENTE / Equivalent

**Denso:** 1283711550

**2045****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 204

## APLICAÇÃO / Application / Aplicación

**Grecav Eke:** Berlina 0.5 D 2000... | Sport 0.5 D 2000... - **Ligier:** 162 GL | Nova 500 - **Lombardini:** Motor LDW 502 - **Microcar:** Virgo

## MOTOR

**Bosch:** 0001107083 | 0001107430 | F002G20516

## EQUIVALENTE / Equivalent

**Bosch:** 1006209683 | F002G20517 - **Cargo:** 233840

**10003****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 204

## APLICAÇÃO / Application / Aplicación

**Buick:** Century 3.1 L (189) V6 2001 - **Cadillac:** Escalade 5.3L (325) V8 2004...2005 - **Fiat:** Doblo 1.8 16V | Doblo 1.8 8V | Doblo FLEX | Idea 1.8 16V | Idea 1.8 8V | Idea FLEX | Palio 1.8 16V | Palio 1.8 8V | Palio FLEX | Punto 1.8 16V | Punto 1.8 8V | Punto FLEX | Stilo 1.8 16V | Stilo 1.8 8V | Stilo FLEX | Strada 1.8 16V | Strada 1.8 8V | Strada FLEX - **General Motors/Chevrolet:** Astra 1.8 e 2.0 | Avalanche 5.3L(325) V8 2004...2005 | Blazer 2.2 e 2.4 | Celta | Cobalt | Corsa 1.8 | Envoy 5.3L/5.3L XL (325) V8 2004...2005 | Express Vans 4.8L(291) V8 2004...2005 | Express Vans 5.3L(325) V8 2004...2005 | Impala 3.4L(207) V6 2001 | Lumina (Sedan) 3.1L(189) V6 2001 | Malibu 3.1L(189) V6 2001 | Meriva 1.8 | Montana | Monte Carlo 3.4L(207) V6 2001 | Prisma | S10 2.2 e 2.4 | Savana Vans 4.8L (291) V8 2004...2005 | Savana Vans 5.3L/5.3L XL (325) V8 2004...2005 | Sierra Pick Up 4.8L (291) V8 2004...2005 | Sierra Pick Up 5.3L/5.3L XL (325) V8 2004...2005 | Silverado Pick Up 4.8L(291) V8 2004...2005 | Silverado Pick Up 5.3L(325) V8 2004...2005 | Spin | SSR Sport Truck 5.3L (325) V8 2004...2005 | Suburban 5.3L(325) V8 2004...2005 | Tahoe 4.8L(291) V8 2004...2005 | Tahoe 5.3L(325) V8 2004...2005 | Trailblazer 5.3L(325) V8 2004...2005 | Vectra 2.2 | Venture 3.4L(207) V6 2001 | Yukon 4.8L (291) V8 2004...2005 | Yukon 5.3L/5.3L XL (325) V8 2004...2005 | Zafira 2.0 - **Isuzu:** Ascender 5.3L (325) V8 2004 - **Oldsmobile:** Alero 3.4L (207) V6 2001 | Silhouette 3.4L (207) V6 2001 - **Opel:** Astra G 2.2 16V | Signum 2.2 | Speedster 2.2 | Vectra B 2.2 16V | Vectra C 2.2 16V | Zafira 2.2 16V - **Pontiac:** Aztec 3.4L (207) V6 2001 | Grand AM 3.4L (207) V6 2001 | Grand Prix 3.1L (189) V6 2001 | Montana 3.4L (207) V6 2001 - **Saab:** 9.7 5.3L (325) V8 2005 - **Saturn:** 2004-01 - **ZEN:** Utiliza Planetária 12720

**10003****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 204

**MOTOR**

**General Motors/Chevrolet:** 93297652 | 93297653 | 93303527 | 93304772 | 93327502 | 93374341 | 93374342 | 93384398 - **Remy:** 8000006 | 8000048 | 8000090 | 8000158 | 8000159 | 8000180 | 8000188 | 8000287 | 9000890 | 9000891 | 9000893 | 9000902 | 9000932 | 9000934 | 9000944 | 9000952 | 9000967 | 9000978 | 9000981 | 10452345

**EQUIVALENTE / Equivalent**

**Lester:** 6471 | 6491 | 6493 | 6494 - **Remy:** 8000045 | 8000058 | 9000856 | 9000868 | 9000876 | 9000881 | 9000896 | 9000901 | 9000933 | 9000939 | 9000948 | 9000977 | 10452348 | 10455504 | 10501804 | 10504515 | 10521484 | 89017523 - **WAI:** 54173

**0032**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

APLICAÇÃO / Application / Aplicación

**Ford:** Campana C/R | F600 Gasolina - **Willys:** Linha Willys 1952...1961

MOTOR

**Ford:** 2900550 | 2900557 | 2900726 | 2900804 | B5C11002A - **Remy:** 1107213 | 1107258 | 1107261 | 1107322 | 1107741 | 1107788 | 1107881 | 1107928 | 1108014 | 1108032 | 1108047 | 1108048 | 1108052 | 1108056 | 1108061 | 1108062 | 1108063 | 1108064 | 1108065 | 1108066 | 1108071 | 1108081 | 1108113 | 1108152 | 1108163 | 1108166 | 1108168 | 1108169 | 1108170 | 1108171 | 1108182 | 1108235 | 1108258 | 1109388 | 1109395 | 1109462 | 1109479

EQUIVALENTE / Equivalent

**Chrysler:** FO1907 - **Ford:** 2900761 | FAA11350A | FAU11350A | ICM11350A | ICM11350B | ICM11350C | C1AF11350A | C1AZ11350A - **Lucas Indiel:** 223145 - **Remy:** 1883768 | 1922419 | 1923288 | 1933214 | 1938976 | 1939178 | 1950398 | 1954437 | 1958842 | 1961372 - **WAI:** 4595

**0035**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

APLICAÇÃO / Application / Aplicación

**Fiat Allis:** 673 MWM Diesel | 805C MWM - **Lancia:** Beta Z50 | Esadelta B | Esagamma | Esatu - **Mercedes Benz:** OM321 | OM324 | OM326 - **Volvo:** DR860 | DR860T | LM1240 | LM840 | S950 | SM868 | T800 | T814 | VHK116 | VHK118 | VHK310

MOTOR

**Bosch:** 0001400152 | 0001401007 | 0001401025 | 0001401041 | 0001401049 | 0001401050 | 0001401051 | 0001401052 | 0001401061 | 0001401066 | 0001401074 | 0001402008 | 0001402050 | 0001402054 | 0001402055 | 0001402058 | 0001402059 | 0001402060 | 0001402061 | 0001402071 | 0001402075 | 0001402080 | 0001402081 | 0001402083 | 0001501001 | 0001501038 | 9967600004 - **Efel:** 22202 - **Fiat:** 587624 | 4127580 | 8961386 | 8962211 | 8962232 - **Iskra:** 10130121 | 10130123 | 11130005 | 11130009 | 11130104 | 11130115 | 11130148 - **Magneti Marelli:** 63211627 | 63211665 | 63211669 | 63213127 | 63213812 | 63214349 | 63214371 | 63216225 | 63216325

EQUIVALENTE / Equivalent

**Bosch:** 2006380010 | 2006380410 | 2006380414 | 2006380418 | 2006381410 - **Fiat:** 8122125 | 9004794 | 9923779 - **Iskra:** 18100098 - **Italacciai:** SP201 - **Lester:** 16369 | 17108 | 18039 - **Lucas Indiel:** 223104 - **WAI:** 5491207

**0036**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 400 | 450 - **Caterpillar:** Motoniveladora 12E ...01/1973 - **Fiat:** Caminhão FNM D9500 - **KHD:** D8005 | M90D7FL | M90D7L - **Lancia:** Esadelta | Esaro 3RO | Esatu - **Scania:** DS11 R82A marítimo com turbo compressor Holset 4 LE | Motor D11 marítimo ED 1966 | Motor D11 R81 marítimo ED 1966...1970 | Motor DSI11 R82A | Ônibus B115 ... 04/1975 | Ônibus BR110 ... 04/1975 | Ônibus BR115S ... 04/1975

MOTOR

**Bosch:** 0001401002 | 0001401044 | 0001401045 | 0001401046 | 0001402002 | 0001402051 | 0001402052 | 0001402053 | 0001402057 | 0001501003 | 0001501020 | 0001501032 | 9000085004 | 9967600005 - **Femsa:** MTH241 | MTH242 | MTH244 - **Iskra:** 11130158

EQUIVALENTE / Equivalent

**Bosch:** 2006380558 | 2006381558 - **Femsa:** 3550 - **Fiat:** 9008738 - **Iskra:** 18100021 - **Italacciai:** SP205 - **Lucas Indiel:** 223105 - **Volkswagen:** 2431807 - **WAI:** 5491200

**0087**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

APLICAÇÃO / Application / Aplicación

**ABG:** Jumbo 140 - **Aifo:** M32S | M42S | M52S - **Asia Motors:** PR425 - **Case:** Pá Carregadeira com motor Scania | Trator 2470 | Trator 4490 | Trator W36 - **Daf:** 95310 | 95330 | 95350 | 95360 | 95380 | 95400 | 95430 - **Falr:** M1620H - **Fiat:** 13.304F | 159 | 190 F20-190 (Unic V 85 S) | 190PAC20 | 260 | 260 (Unic V 85 S) | 26304DFS | 30.304DFS | Caminhão 130NC | Caminhão 150NC | Caminhão 190 | NC20-170 | NR | NT20 - **Fiat Allis:** Trator de Esteiras AD14 com motor Scania  
**Fiat Iveco:** 130.20 | 150.20 | 159.20 | 170.20 | 190.20 - **Ford:** Caminhão Cargo 1317 | Caminhão Cargo 1320 | Caminhão Cargo 1517 | Caminhão Cargo 1520 | Caminhão Cargo 1617 | Caminhão Cargo 1620 | Caminhão Cargo 2220 | Caminhão Cargo 2420 | Caminhão Cargo 2817 | Caminhão Cargo 3020 | Caminhão Cargo 3220 - **KHD:** DL1300 | F6L413 | F8L413 | L | M150E10 | M150L10 | M170D | M200L | M232D | R | S | SH | TL | TR - **Massey Ferguson:** Trator MF4780 (SSB-DN11) | Trator MF4780 com motor Scania DN11 - **Mercedes Benz:** Caminhão MB856 | Caminhão MB858 | Caminhão MB866 | Caminhão MB868 - **Pegaso:** 1228T | 1231 | 1236 | 1331 | 1431 | 2331 | 2431K | 3560 | 5023 | 5024 | 5036 | 6038 | 6420 | 6424 - **Scania:** Caminhão 140 | Caminhão 140 Super | Caminhão 141 Super | Caminhão 145 | Caminhão BR145 | Caminhão CR145L | Caminhão CR145T | Caminhão CR145X | Caminhão DSI14 | Caminhão L101 | Caminhão L142 | Caminhão LK140 | Caminhão LK141 | Caminhão LK142 | Caminhão LKS140 | Caminhão LKS141 | Caminhão LKS142 | Caminhão R142 | Caminhão R142-410 | Caminhão T142 | Caminhão T142-410 | Chassi p/ ônibus K112, S112 | Ônibus BR115 05/1975... | Ônibus BR115S 05/1975... | Ônibus BR116 05/1975... | Ônibus BR116S 05/1975... - **Valmet:** 110KVA | 115KVA | 125KVA | 150KVA (V1308) - **Volvo:** Caminhão 59 | Caminhão B10M | Caminhão B58 | Caminhão F10 | Caminhão F88 | Caminhão FB88 | Caminhão G88.T | Caminhão N | Caminhão N10 | Caminhão N12 | Caminhão NB88TS | Caminhão NL10210 | Caminhão NL10340 | Caminhão NL12400 | Caminhão R | Caminhão T | Chassi p/ ônibus B10M | Chassi p/ ônibus B58E

**0087**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**MOTOR**

**Bosch:** 0000084013 | 0001410019 | 0001410032 | 0001410034 | 0001410037 | 0001410044 | 0001410046 | 0001410050 | 0001410062 | 0001410063 | 0001410069 | 0001410074 | 0001410077 | 0001410087 | 0001410098 | 0001410102 | 0001410106 | 0001410111 | 0001410115 | 0001411005 | 0001411010 | 0001411012 | 0001411013 | 0001411015 | 0001411016 | 0001411036 | 0001413018 | 0001414008 | 0001414019 | 0001415008 | 0001415009 | 0001415011 | 0001415013 | 0001415017 | 0001416003 | 0001416005 | 0001416006 | 0001416007 | 0001416008 | 0001416009 | 0001416011 | 0001416012 | 0001416030 | 0001416031 | 0001416032 | 0001416033 | 0001416034 | 0001416035 | 0001416036 | 0001416039 | 0001416048 | 0001416049 | 0001416050 | 0001416053 | 0001416058 | 0001416062 | 0001416067 | 0001416068 | 0001416069 | 0001416070 | 0001416071 | 0001416075 | 0001416076 | 0001417002 | 0001417016 | 0001417022 | 0001417023 | 0001417024 | 0001417033 | 0001417035 | 0001417042 | 0001417043 | 0001417044 | 0001417045 | 0001417047 | 0001417048 | 0001417054 | 0001417055 | 0001417056 | 0001417060 | 0001417066 | 0001417068 | 0001417071 | 0001417072 | 0001418010 | 9000084010 | 9000084011 | 9000084012 | 9000084013 | 9000084014 | 9000084017 | 9000084018 | 9000084019 | 9000084021 - **Fiat:** 61227993 - **Italacciai:** 1410032 - **Pegaso:** 6100S

**EQUIVALENTE / Equivalent**

**Bosch:** 2006382018 | 2006382019 | 2006382152 | 2006382156 | 2006382172 - **Cargo:** 130418 - **Efel:** 10779 - **Fiat:** 8122126 | 9004229 | 9984246 - **Iskra:** 15100152  
**Italacciai:** SP208 - **Lester:** 17094 | 18117 | 18220 | 18222 | 18253 - **Lucas:** TMB156 - **Lucas Indiel:** 222421 | 223204 - **WAI:** 5491203

**0170**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Austin:** 1100 | **Allegro:** Maxi | **Mini:** - **Bedford:** CF | Chevanne | Ha Van - **Hillman:** Avenger | Hunter - **Innocenti:** Mini | Regent - **MG Car:** 1300 | Midget - **Morris:** Marina | Oxford - **Triumph:** Dolomite | Spitfire | Toledo - **Vauxhall:** Victor

**MOTOR**

**Italacciai:** MTJ01201 - **Lucas Indiel:** 25147DM35

**EQUIVALENTE / Equivalent**

**Bosch:** 9001336211 - **Femsa:** 148981 - **Italacciai:** SD300 - **Lester:** 16121 | 16122 | 16167 | 16168 | 16188 - **Lucas:** TLB112 | 54252212 - **WAI:** 549209

**0171**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Austin:** 1100 | **Allegro:** Maxi | **Mini:** - **Bedford:** CF | Chevanne | Ha Van - **Hillman:** Avenger | Hunter - **Innocenti:** Mini | Regent - **MG Car:** 1300 | Midget - **Morris:** Marina | Oxford - **Triumph:** Dolomite | Spitfire | Toledo - **Vauxhall:** Victor

**MOTOR**

**Lucas Indiel:** 25147DM35

**EQUIVALENTE / Equivalent**

**Lucas:** 250698

**0218**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** 1319 | 1320 | 1418 | 1419 | 1420 | 1425 | 1425 S | 1517 | 1518 | 1519 | 1520 | 1524 | 1525 | 1622 | 1924 | 1929 | 1932 | 1933 | 1934 | 2019 | 2025 S | 2028 LS | 2219 | 2220 | 2222 | 2225B | 2228 | 2233 | 2236 | 2238 | 2624A | 2628 | 2628A | 2628B | 2633 | 2636 | 2638 | 3025 B | 3028 K | 3250A | 3328 | 3328B | 3333 | 3336 | 3336A | 3850A | Chassi p/ Ônibus 1420 | Chassi p/ Ônibus 1517 | Chassi p/ Ônibus 1518 | Chassi p/ Ônibus O364 | Chassi p/ Ônibus O370 | Chassi p/ Ônibus O371 | Chassi p/ Ônibus O371UP | Chassi p/ Ônibus OH1419 | Motor Estacionário, gerador, industrial e marítimo O370 OM355-5, 6, 6A, 6LA | Motor Estacionário, gerador, industrial e marítimo OM352 | Motor Estacionário, gerador, industrial e marítimo OM352A | Motor Estacionário, gerador, industrial e marítimo O371 OM355-5A, 6A, 6LA | Motor Estacionário, gerador, industrial e marítimo O371UP OM355-5 | Motor Estacionário, gerador, industrial e marítimo OM314 | O 303 | O 305 | O 305G | O 307 | O 345, O 345G | O 355 | O 364 | O 365 | O 370 | O 370RS | O 370RSD | O 371R | O 371RS | O 371RSD | O370R - **MWM:** Motor marítimo D232 V6/V8 1970 ED e V12 T/TD 1970 ED 12 e 24 OM232 V | Motor marítimo TD232 V6/V8 1970 ED e V12 T/TD 1970 ED 12 e 24 OM232 V

**MOTOR**

**Bosch:** 0001410015 | 0001410016 | 0001410021 | 0001410022 | 0001410029 | 0001410041 | 0001410043 | 0001410052 | 0001410058 | 0001410078 | 0001410083 | 0001410088 | 0001410089 | 0001410090 | 0001410099 | 0001411014 | 0001413001 | 0001413004 | 0001413006 | 0001413010 | 0001414003 | 0001414009 | 0001414010 | 0001414011 | 0001414015 | 0001414018 | 0001414022 | 0001415001 | 0001415002 | 0001415006 | 0001415010 | 0001415027 | 0001416002 | 0001416013 | 0001416017 | 0001416022 | 0001416023 | 0001416024 | 0001416026 | 0001416028 | 0001417001 | 0001417028 | 0001417036 | 9000084016

**EQUIVALENTE / Equivalent**

**Bosch:** 2006382020 | 2006382150 | 2006382176 | 2006382193 | 2006383150 - **Cargo:** 130419 - **Fiat:** 8122127 | 8122128 - **Italacciai:** SP211 - **Lester:** 17108 | 18113 | 18221 | 18225 | 18257 - **Lucas:** TMB150 - **Lucas Indiel:** 222419 - **WAI:** 5491204

**0280**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Ford:** Capri 1.3 e 1.6 | Fiesta 1.0, 1.1 | Van

**0280**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**MOTOR**

**Italacciai:** 25142A - **Lucas Indiel:** 25276AM35 | 25345AM35 | 25142AHM35 | 25148AJM35

**EQUIVALENTE / Equivalent**

**Italacciai:** SD197 - **Lester:** 16169 - **Lucas:** TLB111 | 54240293 | 54240294 | 54240295 | 54242330 | 54252215 | 54261658 | 60251022 - **WAI:** 549222

**0380**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Austin:** Allegro | Maxi | Mini - **Bedford:** Ha Van - **Ford:** Escort Van | Fiesta Van - **Lotus:** Seven - **TVR:** Vixen 1300

**MOTOR**

**Italacciai:** 25148A - **Lucas Indiel:** 25276AM35 | 25345AM35 | 25142AHM35 | 25148AJM35

**EQUIVALENTE / Equivalent**

**Italacciai:** SD197 - **Lester:** 16169 - **Lucas:** TLB111 | 54240293 | 54240294 | 54240295 | 54242330 | 54252215 | 54261658 | 60251022

**1216**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Willys:** Linha Willys

**MOTOR**

**Ford:** FAJ11001B | FAN11001A | FAP11001A | FAS11001A - **Remy:** 1107037 | 1107056 | 1107074 | 1107084 | 1107087 | 1107088 | 1107089 | 1107092 | 1107095 | 1107115 | 1107116 | 1107125 | 1107126 | 1107134 | 1107139 | 1107141 | 1107149 | 1107158 | 1107173 | 1107196 | 1107198 | 1107217 | 1107235 | 1107253 | 1107605 | 1107654 | 1107658 | 1107659 | 1107695 | 1107728 | 1107745 | 1107746 | 1107747 | 1107755 | 1107762 | 1107787 | 1107830 | 1107927 | 1107943 | 1107954 | 1107977 | 1108008 | 1108015 | 1108021 | 1108029 | 1108037 | 1108057 | 1108068 | 1108077 | 1108078 | 1108106 | 1108112 | 1108126 | 1108131 | 1108149 | 1108150 | 1108186 | 1109384 | 1109450 | 1109457 | 1109458 | 1109468 | 1109654 | 1109671

**EQUIVALENTE / Equivalent**

**Chrysler:** 3837936 | 3837986 - **Ford:** BRNN11350 | FAB11350A | FAC11350A | FAD11350A | FAV11350A - **Remy:** D2010 | D2012 | D2023 | 1878079 | 1881636 | 1887463 | 1904170 | 1909204 | 1912766 | 1913587 | 1913589 | 1918219 | 1922266 | 1925079 | 1925285 | 1925871 | 1938637 | 1952832 | 1958621 | 1964293 | 1971147

**9186**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Honda:** Civic 1.3 - 1.4 - 1.5 - 1.6 | Concerto 1.3 - 1.4 - 1.5 (16v) | Shuttle 1.5 - 1.6 - **Kubota:** Tratores - **Toyota:** 2S - 2Y - 3Y - 4Y | Camry 1.8 - 2.0 | Carina II 1.8 - 2.0 | Corolla 1.8 - 2.0 | MR2 - **ZEN:** Utilizado no Impulsor ZEN 0947 e ZEN 0818

**MOTOR**

**Honda:** DRK1E | 31200657671 | 31200675671 | 31200689661 | 31200689662 | 31200PAO671 | 31200PB2016 | 31200PC2004 | 31200PC2661 | 31200PC2662 | 31200PC2671 | 31200PC2672 | 31200PC6661 | 31200PD2661 | 31200PE0661 | 31200PE1671 | 31200PG6911 | 31200PM3003 | 31200PV2662 | 31200PV2671  
**Nippondenso:** 128000721 | 1280005080 | 128007210 | 280001661 | 280002911 | 280004020 | 280004021 | 280004044 | 280004240 | 280004241 | 280004242 | 280004243 | 280004250 | 280004251 | 280004252 | 280004253 | 280004320 | 280004321 | 280004322 | 280004323 | 280004340 | 280004341 | 280004342 | 280004343 | 280004450 | 280004510 | 280004512 | 280004540 | 280004550 | 280004900 | 280004940 | 280004951 | 280005100 | 280005820 | 280005821 | 280005822 | 280005900 | 280005910 | 280005912 | 280006000 | 280006001 | 280006030 | 280006040 | 280006140 | 280006360 | 280006361 | 280006362 | 280006620 | 280006701 | 280006710 | 280006711 | 280007190 | 280007191 | 280007320 | 280007321 | 280007380 | 280007390 | 280007391 | 280007392 | 280007550 | 280007560 | 280007620 | 280007700 | 280007990 | 280008000 | 280008050 | 280008060 | 280008080 | 280008180 | 280008220 | 280008380 | 280008620 | 280008670 | 280009070 | 280009120 | 280009121 | 280009260 | 280009270 | 280009320 | 280009321 | 280009340 | 280009380 | 280009720 | 280009730 | 280009860 | 1280000120 | 1280000130 | 1280000280 | 1280000300 | 1280000400 | 1280000590 | 1280000620 | 1280000622 | 1280001240 | 1280001250 | 1280001350 | 1280001370 | 1280001440 | 1280001900 | 1280002040 | 1280002060 | 1280002180 | 1280002190 | 1280002590 | 1280003350 | 1280004420 | 1280005080 | 1280005340 | 1280005561 | 1280005571 | 1280005580 | 1280005581 | 1280005630 | 1280005691 | 1280005700 | 1280005780 | 1280007210 | 1280008200 | 1280008210 | 1280008500 | 1280009950 - **Toyota:** 2810010040 | 2810013010 | 2810015020 | 2810015040 | 2810015070 | 2810015130 | 2810015180 | 2810016020 | 2810016080 | 2810020550 | 2810020551 | 2810020552 | 2810026043 | 2810026053 | 2810026061 | 2810026063 | 2810026070 | 2810026100 | 2810026110 | 2810026120 | 2810027050 | 2810034044 | 2810034052 | 2810034060 | 2810034080 | 2810041060 | 2810045030 | 2810045031 | 2810045032 | 2810060070 | 2810063020 | 2810063050 | 2810072010 | 2810072020 | 2810072090

**EQUIVALENTE / Equivalent**

**Honda:** 31213671671 | 31221657004 - **Lester:** 16248 | 16586 | 16600 | 16760 | 16761 | 16905 | 16906 | 17027 | 17028 | 17101 | 17118 | 17254 | 17345 | 17365 | 17374 | 17378 | 17606 - **Nippondenso:** 0280993088 | 0280993090 | 0283001603 - **Toyota:** 2801126041 | 2801126042 - **Unipoint:** SD5201 - **WAI:** 5482201

**9301**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Toyota:** 2B, 3B - **ZEN:** Utilizado no Impulsor ZEN 1827

**9301**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**MOTOR**

**Nippondenso:** 280005490 | 280005580 | 280005581 | 280005593 | 280005850 | 280005860 | 280006200 | 280006290 | 280006340 | 280006560 | 280006561 | 280006640 | 280006880 | 280007240 | 280007810 | 280008070 | 280009770 | 1280004100 | 1280005090 | 1280005300 | 1280007750 - **Toyota:** 2810022060 | 2810042800 | 2810054010 | 2810054061 | 2810054090 | 2810047090C

**EQUIVALENTE / Equivalent**

**Lester:** 16830 | 16881 | 18151 | 18190 - **Nippondenso:** 0280993310 | 0283002011 - **Toyota:** 2801154010 - **WAI:** 5482212

**9307**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Chrysler:** E Class 4 Cil 2.6L 2555cc 156cid 1983...1984 | Executive Limousine 4 Cil 2.6L 2555cc 156cid 1985 | Executive Sedan 4 Cil 2.6L 2555cc 156cid 1983...1984 | LeBaron 4 Cil 2.6L 2555cc 156cid 1982...1985 | New Yorker 4 Cil 2.6L 2555cc 156cid 1983...1985 | Town E Country 4 Cil 2.6L 2555cc 156cid 1982...1983 | Town E Country 4 Cil 2.6L 2555cc 156cid 1985 - **Dodge:** 400 4 Cil 2.6L 2555cc 156cid 1982...1983 | 600 4 Cil 2.6L 2555cc 156cid 1983...1985 | Aries 4 Cil 2.6L 2555cc 156cid 1981...1985 | Caravan 4 Cil 2.6L 2555cc 156cid 1984...1987 | Mini Ram 4 Cil 2.6L 2555cc 156cid VIN G 1984...1987 | Royal Mini Ram 4 Cil 2.6L 2555cc 156cid 1984...1987 - **Plymouth:** Caravelle 4 Cil 2.6L 2555cc 156cid 1983...1985 | Reliant 4 Cil 2.6L 2555cc 156cid 1981...1985 | Voyager 4 Cil 2.6L 2555cc 156cid 1984...1987 - **ZEN:** Utilizado no Impulsor ZEN 0750

**EQUIVALENTE / Equivalent**

**Lester:** 16676 | 17007 | 17020 | 17083 | 17091 | 17129 | 17197 | 17216 | 17363 | 17368 | 17579 | 18154 - **Nippondenso:** 0280993380 | 0280996260 | 0280996300 - **WAI:** 5482203

**9350**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Honda:** Accord | Civic | Prelude

**MOTOR**

**Honda:** 31200PC2663 | 31200PC2681 | 31200PC6663 | 31200PD2662 | 31200PD2663 | 31200PD2664 | 31200PE0664 | 31200PE0665 | 31200PE1673 | 31200PE1674 | 31200PG6914 | 31200PH3953 | 31200PK2006 | 31200PK2026 | 31200PK2953 | 31200PK2955 | 31200PM1005 | 31200PM3005 | 31200PT0900

**EQUIVALENTE / Equivalent**

**Honda:** 31204PC016 | 31204PC2016 | 31204PD1003 | 31204PD1013 | 31204PH3006 | 31204PJ7903 - **Lester:** 16845 | 16901 | 16902 | 16914 | 16960 | 17160 | 17491 - **WAI:** 5485200

**9402**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Bluebird Bus:** Bluebird - **Caterpillar:** 2.5kW/12 Volt - **ZEN:** Utilizado no Impulsor ZEN 1831

**MOTOR**

**Nippondenso:** 280006780 | 1280001060 | 1280001780 | 1280002250 | 1280002251 | 1280002560 | 1280003030 | 1280004080 | 1280004090 | 1280004970 | 1280005370 | 1280005600 | 1280005620 | 1280005621 | 1280007040 | 1280008290 | 1280009610 | 2280000020

**EQUIVALENTE / Equivalent**

**Lester:** 16981 | 17348 | 17380 | 17385 | 17388 | 17391 | 17393 | 17399 | 17458 | 17609 | 17611 | 17613 | 17614 - **Nippondenso:** 0280993270 | 0283003690 | 0283005450 - **WAI:** 5482209

**9492**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 205

**APLICAÇÃO / Application / Aplicación**

**Chrysler:** Chrysler Concorde 3.3L - **Dodge:** Intrepid 3.3L - **Eagle:** Vision 3.3L - **ZEN:** Utilizado nos Impulsores ZEN 0817 e 1566

**MOTOR**

**Nippondenso:** 228000036

**EQUIVALENTE / Equivalent**

**Lester:** 17460 | 17465 - **WAI:** 5482215

**9495**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 206

**APLICAÇÃO / Application / Aplicación**

**Nissan:** Lift Trucks AH A15 Engine | Lift Trucks APH A15 Engine | Lift Trucks APH H20 Engine | Lift Trucks Ash A15 Engine | Lift Trucks Ash H20 Engine | Lift Trucks Cef H20 Engine | Nissan 23300-20H00, 23300-20H12 | Nissan 23300-20H00, 23300-20H12 Nissan Ag | Nissan Lift Truck - **TCM Equipment Ag:** Lifts Trucks Fhg 20N Z24 Engine

9495	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
MOTOR		
Lester: 16947 - <b>Mitsubishi:</b> M2T58081   M2T58381   M2T58481		
EQUIVALENTE / Equivalent		
Mitsubishi: M605X34971 - <b>Nissan:</b> 2335720H12 - <b>WAI:</b> 5483212		

9502	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
Lexus: ES250 6 cil 2.5L 2508cc 1990...1991 - <b>Toyota:</b> Camry 4 cil 2.0L 1998cc 1989...1991   Camry 4 cil 2.0L 1998cc 122cid 1987...1991   Camry 6 cil 2.5L 2508cc 1988...1991   Celica 4 cil 2.0L 1998cc 1987...1989   Celica 4 cil 2.0L 1998cc 122cid 1987...1993   Celica 4 cil 2.2L 2164cc 1990...1993		
EQUIVALENTE / Equivalent		
Lester: 16893   16978 - <b>WAI:</b> 5482207		

9506	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
Lexus: ES250 6 cil 2.5L 2508cc 1990...1991 - <b>Toyota:</b> Camry 4 cil 2.0L 1998cc 1989...1991   Camry 4 cil 2.0L 1998cc 122cid 1987...1991   Camry 6 cil 2.5L 2508cc 1988...1991   Celica 4 cil 2.0L 1998cc 1987...1989   Celica 4 cil 2.0L 1998cc 122cid 1987...1993   Celica 4 cil 2.2L 2164cc 1990...1993 - <b>ZEN:</b> Utilizado no Impulsor ZEN 1555		
EQUIVALENTE / Equivalent		
Lester: 16893   17263   17534 - <b>Nippondenso:</b> 0283716490 - <b>WAI:</b> 5482216		

9525	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
Nissan: E16   NX 1600   NX 2000   Pulsar 1.6   Sentra 1.6 - <b>ZEN:</b> Utilizado no Impulsor ZEN 0793		
EQUIVALENTE / Equivalent		
WAI: 5481209		

9526	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
Volkswagen: LT TD - <b>Volvo:</b> 240 D, 740 TD, 940 TD - <b>ZEN:</b> Utilizado no Impulsor ZEN 0792		
MOTOR		
Thermo King: 451229   451263   451285		
EQUIVALENTE / Equivalent		
Thermoking: 446676   446681 - <b>WAI:</b> 5481204		

9527	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
Nissan: CD17   CD20 - <b>ZEN:</b> Utilizado no Impulsor ZEN 0790		
MOTOR		
Hitachi: S1369   S1381   S13101   S13102   S13104   S1366A   S1392A   S114367   S114471   S114472   S114482   S13105A   S114357B   S114395A - <b>Nissan:</b> 2330000   233007260   2330010G02   2330054A01   2330083W00   23300V0703   23300V7200   23300W2804		
EQUIVALENTE / Equivalent		
Hitachi: 211495501 - <b>Lester:</b> 16733   16809   18053   18054   18061 - <b>Nissan:</b> 23357W1700 - <b>WAI:</b> 5481206   5481213		

9542	PINHÃO PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
Acura: Integra 4 Cil 1.7L 1678cc 1992...1993   Integra 4 Cil 1.8L 1834cc 1992...1993		
MOTOR		
Nippondenso: 228000022		
EQUIVALENTE / Equivalent		
WAI: 5482218		

<b>9632</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
<b>APLICAÇÃO / Application / Aplicación</b>		
<b>Dodge:</b> Ram 2500 10 Cil 8.0L 7990cc 488cid 1994...1995   Ram 3500 10 Cil 8.0L 7990cc 488cid 1994...1995		
<b>MOTOR</b>		
<b>Nippondenso:</b> 228000180   228000340		
<b>EQUIVALENTE / Equivalent</b>		
<b>Lester:</b> 17549   17574 - <b>WAI:</b> 5482219		

<b>9678</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
<b>APLICAÇÃO / Application / Aplicación</b>		
<b>Toyota:</b> Carina E T19 2.0 D CT190   Carina E Saloon T19 2.0 D CT190   Corolla E10 2.0 D CE100   Corolla E11 2.0 D CE110   Corolla Compact E10 2.0 D CE100   Corolla Compact E11 2.0 D CE110   Corolla Liftback E10 2.0 D CE100   Corolla Liftback E11 2.0 D CE110   Corolla Wagon E10 2.0 D CE100   Corolla Wagon E11 2.0 D CE110   Echo P1 1.4 D-4D   Hiace I Box H10 2.2 D LH20-30   Hiace II Box H20 2.4 D   Hiace III Box H50 2.4 D 4WD   Hiace III Wagon H50 2.4 D, 2.4 D 4WD   Hiace IV Box 2.4 D LXH12, LXH22, 2.4 TD 4WD LXH18, LXH28   Hiace IV Wagon 2.4 D, 2.4 TD LXH12, LXH22, 2.4 TD 4WD H18/28   Hilux 2.8   Hilux II Pickup N 2.4 D, 2.4 D 4WD, 2.4 TD 4WD   Land Cruiser Bundera J7 2.4 D LJ70, 2.4 TD LJ70, LJ73, 2.4 TD LJ77   Land Cruiser Hardtop J7 2.4 TD LJ77   Yaris Verso NC/LP2 1.4 D-4D NLP22		
<b>MOTOR</b>		
<b>Denso:</b> 2280002124 - <b>Nippondenso:</b> 280008451   280008980   1280000930   1280005350   1280009550   1280009560   1280009860   1280009870   1280009880   2280000200   2280000460   2280000880   2280001850   2280001900   2280002120   2280002680   2280002690   2280002700   2280003620   2280003630   2280003640   2280003641   2280003642   2280003680 - <b>Toyota:</b> 2810054380   2810064010   2810064040   2810064070   2810064100   2810064110   2810064130   2810064140   2810064190   2810064200   2810064210   2810064310		
<b>EQUIVALENTE / Equivalent</b>		
<b>Nippondenso:</b> 0280993910   0283715730   0283717060		

<b>9702</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
<b>APLICAÇÃO / Application / Aplicación</b>		
<b>Volvo:</b> 240 Séries 2.4L - 2383cc (D24) 1985   740 Séries 2.4L - 2383cc (D24T) 1985...1986   760 Séries 2.4L - 2383cc (D24, D24T) 1985		
<b>MOTOR</b>		
<b>AES:</b> 17138   <b>S1935 - AES New:</b> S1935N   <b>S1936N - AIM:</b> SJ0053R - <b>Arc:</b> S1660 - <b>Arrowhead:</b> SHI0015   SHI0032 - <b>Beck Arnley:</b> 1870556 - <b>Bosch Reman:</b> SR97X <b>Cargo:</b> 111120 - <b>Dixie:</b> S6106 - <b>Dubois:</b> 916584 - <b>Hitachi:</b> S1391   S1391A - <b>Lucas Reman:</b> S7133   S7219 - <b>Romaine:</b> 4117138 - <b>TRW:</b> LRS661 - <b>Volvo:</b> 1328391   1328396   5003003   132839-6   50030030   5003003-0 - <b>WAI:</b> 21289HI - <b>Wilson:</b> 91251101 - <b>Woodauto:</b> STR72029 - <b>Worldwide:</b> 16942		
<b>EQUIVALENTE / Equivalent</b>		
<b>Accurate:</b> 4798798 - <b>Ace:</b> 4798 - <b>AES New:</b> 1946 - <b>AIM:</b> SJ0779A - <b>Amsco:</b> HT230 - <b>Arrowhead:</b> SHI5308 - <b>CPC:</b> SDHI2662A - <b>Dubois:</b> 297400 - <b>Just Parts:</b> BO26021N   HT25034NPS1 - <b>Lester:</b> 62042662A - <b>SWS:</b> 11812010 - <b>WAI:</b> 5481201		

<b>9705</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
<b>APLICAÇÃO / Application / Aplicación</b>		
<b>Ford:</b> E450 Econoline Super Duty V10 6.8L 415cid 2002   Excursion V10 6.8L 415cid 2000...2005   Excursion V8 5.4L 330cid 2000...2005   Expedition V8 4.6L 281cid 1999...2004   Expedition V8 5.4L 330cid 1999...2006   Expedition V8 5.4L 330cid 2010...2014   Expedition V8 5.4L 5409cc 330cid 2010   F150 V8 4.6L 281cid 1999...2006   F150 V8 5.4L 330cid 1999...2006   F150 Heritage V8 4.6L 281cid 2004   F150 Heritage V8 5.4L 330cid 2004   F250 V8 4.6L 281cid 1999   F250 V8 5.4L 330cid 1999   F250 Super Duty V10 6.8L 415cid 1999...2006   F250 Super Duty V10 6.8L 415cid 2010   F250 Super Duty V8 5.4L 330cid 1999...2006   F350 Super Duty V10 6.8L 415cid 1999...2006   F350 Super Duty V10 6.8L 415cid 2010   F350 Super Duty V8 5.4L 330cid 1999...2006   F450 Super Duty V10 6.8L 415cid 1999...2006   F450 Super Duty V10 6.8L 415cid 2009...2010   F53 V10 6.8L 415cid 1999...2006   F53 V10 6.8L 415cid 2009...2010   F550 Super Duty V10 6.8L 415cid 1999...2006   F550 Super Duty V10 6.8L 415cid 2009...2010   Mustang V8 4.6L 281cid 2005 - <b>Lincoln:</b> Blackwood V8 5.4L 330cid 2002   Mark LT V8 5.4L 330cid 2006   Navigator V8 5.4L 330cid 1999...2006   Navigator V8 5.4L 330cid 2011...2014		
<b>EQUIVALENTE / Equivalent</b>		
<b>Lester:</b> 6646 - <b>WAI:</b> 542200		

<b>10049</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
<b>APLICAÇÃO / Application / Aplicación</b>		
<b>Acura:</b> Integra 1992...1993		
<b>MOTOR</b>		
<b>Nippondenso:</b> 1280007080   1280007460   2280000810   2280002050   2280002260   2280003990   2280005040   2280006421   2280007200		
<b>EQUIVALENTE / Equivalent</b>		
<b>Nippondenso:</b> 0283005430   0283008100   0283008550   0283008600		



<b>12609</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
<b>Lexus:</b> ES300 V6 3.0L 2959cc 1995...1997 - <b>Toyota:</b> Avensis 2.0   Camry 1.8 / 2.0 / 2.2 / 2.5 V6 / 3.0 V6   Carina II 2.0i   Celica GT 2.0   Celica GTI 16 V   Celica Turbo 2.0   Picnic 2.0   R-2 GT-Turbo 2.0   RAV-4 2.0		
MOTOR		
<b>Nippondenso:</b> 280002220   280006250   280007830   1280000070   1280000071   1280000140   1280001160   1280001161   1280001470   1280003471   1280003472   1280003482   1280005590   1280005942   1280005952   1280006280   2280001000   2280001001   2280001040   2280001070   2280001071   2280003330   2280004740		
EQUIVALENTE / Equivalent		
<b>Nippondenso:</b> 0280995590   0280996550   0283711980   0283716190 - <b>WAI:</b> 5482214		

<b>12658</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
<b>Mazda:</b> Especial/Special - <b>Mitsubishi:</b> Canter - <b>Nissan:</b> Especial/Special - <b>Yale:</b> Especial/Special - <b>ZEN:</b> Utilizado no Impulsor 0957		
MOTOR		
<b>Mazda:</b> S21118400   V10118400B - <b>Mitsubishi:</b> M2T54372   M2T54571   M2T54572   M2T56071   M2T57871   M2T57881   M2T60072   M2T61771   M2T64372   M2T64373   M2T66371   M2T66872   M2T66873   M2T67871   M2T67872   M2T67873   M2T67881   M2T67882   M2T67883   M2T78271   M3T56471   M3T57371   M3T57575   M3T66071   M3T66072   M3T66073   M3T66074   ME007517   ME008815   ME017034   ME017035   ME017056   ME017061   MG120413		
EQUIVALENTE / Equivalent		
<b>Mazda:</b> 859924740 - <b>Mitsubishi:</b> ME700121   23314T9000   M357T71671   M357T76171   M605X31971		

<b>12659</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
<b>Mazda:</b> Especial/Special - <b>Mitsubishi:</b> Canter - <b>Nissan:</b> Especial/Special - <b>Yale:</b> Especial/Special - <b>ZEN:</b> Utilizado no Impulsor 0957		
MOTOR		
<b>Mazda:</b> S21118400   V10118400B - <b>Mitsubishi:</b> M2T54372   M2T54571   M2T54572   M2T56071   M2T57871   M2T57881   M2T60072   M2T61771   M2T64372   M2T64373   M2T66371   M2T66872   M2T66873   M2T67871   M2T67872   M2T67873   M2T67881   M2T67882   M2T67883   M2T78271   M3T56471   M3T57371   M3T57575   M3T66071   M3T66072   M3T66073   M3T66074   ME007517   ME008815   ME017034   ME017035   ME017056   ME017061   MG120413		
EQUIVALENTE / Equivalent		
<b>Mazda:</b> 859924740 - <b>Mitsubishi:</b> ME700121   23314T9000   M357T71671   M357T76171   M605X31971 - <b>WAI:</b> 5483202		

<b>12812</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 206
APLICAÇÃO / Application / Aplicación		
<b>Mitsubishi:</b> E2500 Diesel XA   E3000   Fuso Canter 20   Fuso Canter 30   Fuso Canter 31   Fuso Canter 32 1988   Fuso Canter 33   Fuso Canter 35   Fuso Canter 3600   Fuso Canter 4D30   Fuso Canter 4D31T 1987   Fuso Canter 4DRS 1984...1988   L200   Light Bus HA   Wheel Loader S4E - <b>Nissan:</b> Fork Lifts - <b>ZEN:</b> ZEN 1046 e 1047		
MOTOR		
<b>Mitsubishi:</b> 232415   M2T55271   M2T56181   M2T56182   M2T56185   M2T56271   M2T56471   M2T57771   M2T62971   M2T65271   M2T74171   MD069166   MD070934   MD084414   MD164975   MD164976		
EQUIVALENTE / Equivalent		
<b>Mitsubishi:</b> MD607789   M605X65171		

<b>13021</b>	<b>PINHÃO</b> PINION / PIÑON	FOTO / Photo pg. 207
APLICAÇÃO / Application / Aplicación		
<b>Kia:</b> Besta 2.7 arranque Mando - <b>ZEN:</b> Utilizado no Impulsor ZEN 1667		
MOTOR		
<b>Mando:</b> MG122423   MG122565		

**13119**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 207

**APLICAÇÃO / Application / Aplicación**

**Freightliner:** Cascadia com motor DD13, DD15, DD16 | Cascadia com motor MBE4000 | Century com motor MBE4000 | Coronado com motor DD15, DD16, DD13  
**Mercedes Benz:** Caminhões - Rodoviária 2035 (4x2), 2040 (4x2), 2044 (4x2), 2540 (6x2), 2544 (6x2) | Caminhões Família Atron 1635 Com motor eletrônico 24V OM 457 LA - Euro V 01/2012... | Fora de estrada 3340 (6x4), 3344 (6x4), 4140 (6x4) e 4144 (6x4) | Fora de Estrada Família Axor: 3341 K,S,P, 3344K,S,P, 4141K e 4144 K Com motor eletrônico 24V OM 457 LA - Euro V 01/2012... | Ônibus / Buses 0500RS (4x2) e 0500RSD (6x2), OM457LA Eletrônico / Electrónico 6 cil | Ônibus Rodoviário: O500 RS 1836 e O500 RSD 2436 6x2 Com motor eletrônico OM457 LA - Euro V 01/2012... | Ônibus Urbano: O500 MA 2836 e O500 UA 2836 Com motor eletrônico OM457 LA - Euro V | Rodoviário Família Axor: 2036 Estradeiro, 2036 Multiuso, 2041 Estradeiro, 2041 Mu Com motor eletrônico 24V OM 457 LA - Euro V 01/2012... - **Remy:** 39MT

**MOTOR**

**Remy:** 8200287 | 8200329 | 8200434 | 8200519 | 19011514 | 82000436

**EQUIVALENTE / Equivalent**

**Remy:** 10526466 - **WAI:** 7911128

**13268**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 207

**APLICAÇÃO / Application / Aplicación**

**Ford:** Taurus V6 3.0 - **Lincoln:** Continental V8 4.6 - **Mercury:** Sable V6 3.0

**MOTOR**

**Ford:** 1057661 | 1076141 | 1197912 | 1209193 | 1F1U11000AA | 1F1Z11002AA | 3S7T11000AD

**EQUIVALENTE / Equivalent**

**Ford:** F5RZ11A198A

**12675**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Agco:** Trator 6 cil. - **Ford:** Power Stroke - **Peugeot:** 404 Motores Indenor 6305, 6354 | Especial/Special Com Motor Indenor - **ZEN:** Kit Reparo 12695 | Utilizado no Impulsor ZEN 1602

## MOTOR

**Prestolite:** 35259310 | 35259710 | 35259720 | 35261020 | 35261175

## EQUIVALENTE / Equivalent

**MYR:** 0141 - **Prestolite:** K01221 | K01284 | 35259952 - **Unifap:** 12221

**12681**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** Gol G2 1.8 Mi, 2.0Mi, 2.0i | Parati 1.6, 1.8 | Parati G2 1.8Mi, 1.8i, 2.0Mi, 2.0i | Parati G3 1.8Mi, 2.0Mi | Quantum 1.8Mi, 1.8i, 2.0Mi, 2.0i | Santana 1.8Mi, 1.8i, 2.0Mi, 2.0i | Saveiro 1.8 | Saveiro G2 1.6Mi, 1.8 Mi, 2.0Mi | Saveiro G3 1.6Mi, 1.8 Mi, 2.0Mi | Voyage 1.8 - **ZEN:** Kit Reparo 12694 | Reparo 12693 | Utilizado com Impulsor ZEN 0866

## MOTOR

**Bosch:** 9000081006 | 9000081007

## EQUIVALENTE / Equivalent

**Bosch:** F000AL1019 - **ETE:** 8101 - **MYR:** 1019 - **Unifap:** 11019

**12682**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Agrale:** Ônibus Volare - **Cummins:** B6 | BT5. 9L | Motores Séries 6BT (Dianteiro) - **Ford:** Cargo 1416, 1722, 1716 | F100 | F1000 | F14000 Com Motor MWM | Ranger  
**General Motors/Chevrolet:** Blazer DLX | Pick Up D20 | Pick Up S10 com Motor Maxion HS | Silverado com Motor MWM - **John Deere:** Tratores - **Massey Ferguson:**  
Trator Com Motor 4 cil. - **Maxion:** Motores - **Mercedes Benz:** 180D | Caminhões | Kombi Espanhola | MB 180D | Ônibus | Sprinter com motor Maxion HS - **Perkins:**  
Motores 4203 / 3152 / 4236 / 6354 - **Peugeot:** 504 | 505 | Vários modelos com Motor Indenor - **Volkswagen:** Caminhão 15-160 - **ZEN:** Kit Reparo 12695 | Utilizado com Impulsor ZEN 1635

## MOTOR

**Prestolite:** 35258490 | 35258540 | 35258580 | 35258660 | 35258690 | 35258710 | 35258820 | 35258880 | 35258940 | 35258950 | 35258960 | 35259040 | 35259170

## EQUIVALENTE / Equivalent

**MYR:** 0147 - **Prestolite:** K21147 | 35258669 - **Unifap:** 12147

**12683**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Alfa Romeo:** 145, 145 1.6ie - **Fiat:** Palio 1.5 | Palio Weekend 1.5 - **General Motors/Chevrolet:** Astra 1.8i, 2.0i, 2.0 MPFI, 2.0i 16V | Astra Sedan 1.8i, 2.0i, 2.0 MPFI, 2.0i 16V | Blazer 2.2 EFI | Ipanema 2.0 MPFI | Kadett 2.0 MPFI | Omega 2.0i, 2.2i, 3.0i | Omega Suprema 2.0i, 2.2i, 3.0i | S10, EFI, MPFI | Zafira 2.0 MPFI - **ZEN:** Kit Reparo 12694 | Reparo 12693

## MOTOR

**Bosch:** 0001107009 | 0001107012 | 0001107013 | 0001107015 | 0001107034 | 0001107060 | 9000081004

## EQUIVALENTE / Equivalent

**Bosch:** 1006200042 | 1006200110 - **ETE:** 8104 - **MYR:** 0110 - **Unifap:** 11010

**12685**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Ford:** Escort 1.6i, 1.8i, 2.0i | Verona 1.8i, 2.0i - **Seat:** Inca 1.6 EFI - **Volkswagen:** Logus 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi | Pointer 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi | Van 1.6 Mi - **ZEN:** Kit Reparo 12694 | Reparo 12693

## MOTOR

**Bosch:** 9000081001 | 9000081002

## EQUIVALENTE / Equivalent

**Bosch:** F000AL1015 - **ETE:** 8108 - **MYR:** 1015 - **Unifap:** 11015

**12689**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Fiat:** Palio 1.6 16v | Palio Weekend 1.6 16V | Tempra 2.0 MPI, 2.0 SPI, 2.0 8V, 2.0 16V, 2.0Turbo | Tempra Turbo 2.0 MPI 8V - **ZEN:** Kit Reparo 12694 | Reparo 12693

**12689**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## MOTOR

Bosch: 9000081005 | 9000081008 | F000AL0100

## EQUIVALENTE / Equivalent

Bosch: F000AL1017 | F000AL1037 - ETE: 8103 - MYR: 1037 - Unifap: 11037

**12690**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

Audi: A3 1.8, 1.8T - Fiat: Tempra 2.0 ie SW | Tipo 1.6 ie, 1.8 ie, 2.0 ie, 2.0 16v - Seat: Alhambra 1.8 turbo, 2.0 | Córdoba 1.8, 1.8 16v, 2.0 | Ibiza 1.8 - Volkswagen: City Golf 1.6 | Golf 1.8, 1.8 G2, 1.8 G3 | Passat 2.0 (Importado) - ZEN: Kit Reparo 12694 | Reparo 12693

## MOTOR

Bosch: 0001107007 | 0001107020

## EQUIVALENTE / Equivalent

Bosch: 1006200128 - ETE: 8106 - MYR: 0128 - Unifap: 11128

**12692**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

Shelhorst: Shelhorst - ZEN: Kit Reparo 12695

## MOTOR

Prestolite: 35259380 | 35259680

## EQUIVALENTE / Equivalent

Prestolite: K01212 | 35259959 - Unifap: 12212

**12717**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

Ford: Escort | Fiesta | Ka - ZEN: Kit Reparo 12718 | Reparo 12719

## MOTOR

Ford: 96BB11000AA7119

## EQUIVALENTE / Equivalent

Unifap: UF13119

**12720**

## PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

## APLICAÇÃO / Application / Aplicación

**Buick:** Century 3.1 L (189) V6 2001 - **Cadillac:** Escalade 5.3L (325) V8 2004...2005 - **Fiat:** Doblo 1.8 8V/1.8 16V/FLEX | Idea 1.8 8V/1.8 16V/FLEX | Palio 1.8 8V/1.8 16V/FLEX | Punto 1.8 8V/1.8 16V/FLEX | Stilo 1.8 8V/1.8 16V/FLEX | Strada 1.8 8V/1.8 16V/FLEX - **General Motors/Chevrolet:** Astra | Astra 1.8 e 2.0 | Avalanche 5.3L(325) V8 2004...2005 | Blazer | Blazer 2.2 e 2.4 | Celta | Corsa 1.8 | Envoy 5.3L/5.3L XL (325) V8 2004...2005 | Express Vans 4.8L(291) V8 2004...2005 | Express Vans 5.3L(325) V8 2004...2005 | Impala 3.4L(207) V6 2001 | Lumina(Sedan) 3.1L(189) V6 2001 | Malibu 3.1L(189) V6 2001 | Meriva 1.8 | Montana | Monte Carlo 3.4L(207) V6 2001 | Motor 1.8 8V SOCH e 1.8 16V DOCH (Flex) | Prisma | S10 | S10 2.2 e 2.4 | Savana Vans 4.8L (291) V8 2004...2005 | Savana Vans 5.3L/5.3L XL (325) V8 2004...2005 | Sierra Pick Up 4.8L (291) V8 2004...2005 | Sierra Pick Up 5.3L/5.3L XL (325) V8 2004...2005 | Silverado Pick Up 4.8L(291) V8 2004...2005 | Silverado Pick Up 5.3L(325) V8 2004...2005 | SSR Sport Truck 5.3L (325) V8 2004...2005 | Suburban 5.3L(325) V8 2004...2005 | Tahoe 4.8L(291) V8 2004...2005 | Trailblazer 5.3L(325) V8 2004...2005 | Vectra 2.2 | Vectra II (SOHC) 1.8/2.0/2.2 - 8V ...03/2001 | Venture 3.4L(207) V6 2001 | Yukon 4.8L (291) V8 2004...2005 | Yukon 5.3L/5.3L XL (325) V8 2004...2005 | Zafira 2.0

**Isuzu:** Ascender 5.3L (325) V8 2004 - **Oldsmobile:** Alero 3.4L (207) V6 2001 | Silhouette 3.4L (207) V6 2001 - **Pontiac:** Aztec 3.4L (207) V6 2001 | Grand AM 3.4L (207) V6 2001 | Grand Prix 3.1L (189) V6 2001 | Montana 3.4L (207) V6 2001 - **Saab:** 42925 5.3L (325) V8 2005 - **Saturn:** Especial/Special 2004 - **ZEN:** Kit Reparo 12721 | Reparo 12722

## MOTOR

General Motors/Chevrolet: 93297652 | 93297653 | 93303527 | 93304772 | 93327502 | 93374341 | 93374342 | 93384398 - Remy: 900890 | 8000006 | 8000090 | 8000158 | 8000159 | 8000188 | 8000890 | 8000891 | 8000893 | 8000944 | 8000978 | 8000981 | 9000794 | 9000846 | 9000948

## EQUIVALENTE / Equivalent

Remy: 10504495 - Unifap: 14150

**12841****PLANETÁRIA**

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** G2 2.0 Mi 1996... | G31.8 2.0 Mi 1996... | Gol 2.0 Mi 1996... | Parati 2.0 Mi 1996... | Quantum 1.8, 2.0 Mi 1998... | Santana 1.8, 2.0 Mi 1998... | Saveiro G3 1.6/1.8/2.0 Mi 2000... - **ZEN:** Kit Reparo 12694 | Reparo 12693

**MOTOR****Bosch:** F000AL0502 | F000AL0507**EQUIVALENTE / Equivalent****Bosch:** F000AL1181**13584****PLANETÁRIA**

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 208

**APLICAÇÃO / Application / Aplicación**

**Agrale:** Caminhão 7500 Motor MWM | Caminhão 8000 Motor MWM | Caminhão 8500 Motor MWM | Caminhão 9200 Motor MWM | Trator 5075 Motor MWM | Trator 50754 Motor MWM | Trator 5077 Motor MWM | Trator 5085 Motor MWM | Trator 50854 Motor MWM - **Cummins:** Motores - **Deutz Agco:** Trator - **Dodge:** D1000 - **Ford:** B7000 C/ Motores Cummins 4bt. | Cargo 1416 C/ Motores Cummins 4bt. | Cargo 1716 C/ Motores Cummins 4bt. | F100 | F1000 C/ Motores Cummins 4bt. | F12000 C/ Motores Cummins 4bt. | F14000 C/ Motores Cummins 4bt. | F150 C/ Motores Cummins 4bt. | F16000 C/ Motores Cummins 4bt. | F250 C/ Motores Cummins 4bt. | F350 C/ Motores Cummins 4bt. | F7000 C/ Motores Cummins 4bt. - **General Motors/Chevrolet:** Blazer Motor Cummins 59 - **John Deere:** Colheitadeira 1165 | Colheitadeira 1175 | Colheitadeira 1450 | Trator 7500 - **Massey Ferguson:** Trator Motor Perkins | Trator MF250X - **Maxion:** Motor S4 - **MWM:** 4 e 6 Cilindros - **New Holland:** Trator TL65E | Trator TL75E | Trator TL85E | Trator TL95E - **Perkins:** D-28MT - **Volkswagen:** B16210 | B17210 OD | B17240 OT | B8150 OD | B9150 - **ZEN:** Kit Reparo 13585

**MOTOR**

**Ford:** 2C3511001BA | 2C4511001BA | 4C4511001BA | F7HT11001AC | XC3U11000CA - **John Deere:** AJ60123 | RE509658 - **MWM:** 905720100093 - **Prestolite:** 35258620 | 35259300 | 35259330 | 35259390 | 35259430 | 35259580 | 35259590 | 35259600 | 35259620 | 35259630 | 35259650 | 35259660 | 35259670 | 35259690 | 35259750 | 35259760 | 35259880 | 35259900 | 35260940 | 35260950 | 35261070 | 35261120 | 35261155 | 35261190 | 35261355 | 35261360 | 35261420 | 35261425 | 35261760 | 35262580 - **Volkswagen:** 2R0911023A | TJG911023B

**EQUIVALENTE / Equivalent****Prestolite:** KJD20 | KJD21 | K01222 | K01261 | K01349 | K01469 | K21148 | 35259465 - **Unifap:** 12422**12786****REPARO PLANETÁRIA**

PLANETARY GEAR REPAIR / ENGRANAJE PARA REPARACION REDUCTORES

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**APLICAÇÃO / Application / Aplicación****Nissan:** Nissan V16 | Sentra II**MOTOR****Bosch:** 0001107011 | 0001107039**EQUIVALENTE / Equivalent****Bosch:** 1005821321 | 1006200063 - **Unifap:** UFP0060



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