

# CATÁLOGO

Catalogue • Catálogo



## IMPULSORES DE PARTIDA, PINHÕES E PLANETÁRIAS

*Starter Drives, Pinions  
and Planetary Gears*

*Impulsores de Arranque,  
Piñones y Planetários*

## COMERCIAIS LEVES, VANS, PICK-UPS E CAMINHONETES

*Light Commercial Vehicles Vans,  
Pick-ups and small vans*

*Comerciales Ligeros Vans,  
Pick-ups y Camionetas*

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 preferéncia de nuestros clientes y el orgullo de nuestro equipo, a través de la innovación, la calidad y la exceléncia 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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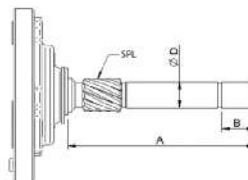
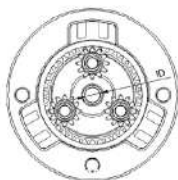
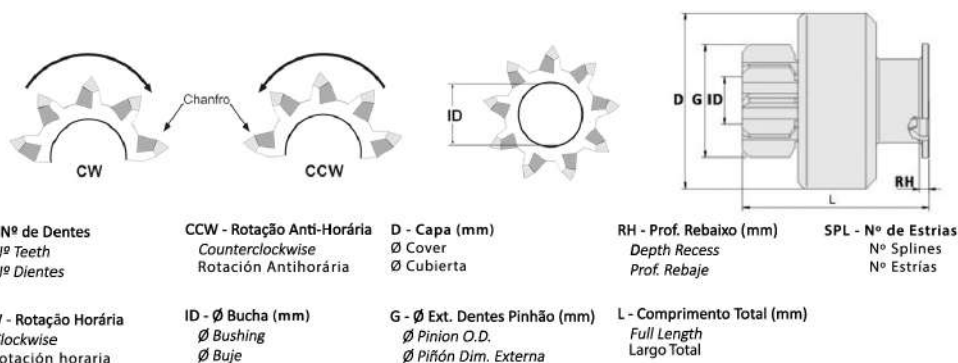
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**ID - Ø da bucha (mm)**  
Shaft Ø Bushing  
Buje Ø eje

**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	Nº ZEN	NOVO NEW NUEVO	Pg.
Impulsor de Partida Starter Drive Impulsor de Arranque				
1.01.0001.0	0001	71		
1.01.0015.0	0015	71		
1.01.0020.0	0020	71		
1.01.0024.0	0024	71		
1.01.0025.0	0025	71		
1.01.0034.0	0034	71		
1.01.0045.0	0045	71		
1.01.0056.0	0056	71		
1.01.0064.0	0064	71		
1.01.0065.0	0065	71		
1.01.0068.0	0068	71		
1.01.0070.0	0070	71		
1.01.0082.0	0082	71		
1.01.0104.0	0104	71		
1.01.0105.0	0105	71		
1.01.0108.0	0108	71		
1.01.0115.0	0115	72		
1.01.0118.0	0118	72		
1.01.0119.0	0119	72		
1.01.0120.0	0120	72		
1.01.0131.0	0131	72		
1.01.0141.0	0141	72		
1.01.0161.0	0161	72		
1.01.0184.0	0184	72		
1.01.0223.0	0223	72		
1.01.0227.0	0227	72		
1.01.0228.0	0228	72		
1.01.0248.0	0248	72		
1.01.0291.0	0291	72		
1.01.0301.0	0301	72		
1.01.0310.0	0310	72		
1.01.0313.0	0313	72		
1.01.0323.0	0323	73		
1.01.0349.0	0349	73		
1.01.0351.0	0351	73		
1.01.0353.0	0353	73		
1.01.0378.0	0378	73		
1.01.0389.0	0389	73		
1.01.0392.0	0392	73		
1.01.0397.0	0397	73		
1.01.0398.0	0398	73		
1.01.0407.0	0407	73		
1.01.0463.0	0463	73		
1.01.0468.0	0468	73		
1.01.0482.0	0482	73		
1.01.0486.0	0486	73		
1.01.0495.0	0495	73		
1.01.0497.0	0497	73		
1.01.0499.0	0499	74		
1.01.0522.0	0522	74		
1.01.0528.0	0528	74		
1.01.0541.0	0541	74		

Nº ZEN	ANTIGO OLD ANTIGUO	Nº ZEN	NOVO NEW NUEVO	Pg.
1.01.0549.0	0549	74		
1.01.0573.0	0573	74		
1.01.0580.0	0580	74		
1.01.0612.0	0612	74		
1.01.0613.0	0613	74		
1.01.0627.0	0627	74		
1.01.0631.0	0631	74		
1.01.0634.0	0634	74		
1.01.0656.0	0656	74		
1.01.0657.0	0657	74		
1.01.0673.0	0673	74		
1.01.0686.0	0686	74		
1.01.0712.0	0712	75		
1.01.0713.0	0713	75		
1.01.0714.0	0714	75		
1.01.0732.0	0732	75		
1.01.0765.0	0765	75		
1.01.0771.0	0771	75		
1.01.0772.0	0772	75		
1.01.0786.0	0786	75		
1.01.0787.0	0787	75		
1.01.0796.0	0796	75		
1.01.0806.0	0806	75		
1.01.0816.0	0816	75		
1.01.0818.0	0818	75		
1.01.0826.0	0826	75		
1.01.0838.0	0838	75		
1.01.0844.0	0844	75		
1.01.0854.0	0854	76		
1.01.0857.0	0857	76		
1.01.0861.0	0861	76		
1.01.0875.0	0875	76		
1.01.0887.0	0887	76		
1.01.0907.0	0907	76		
1.01.0910.0	0910	76		
1.01.0915.0	0915	76		
1.01.0916.0	0916	76		
1.01.0926.0	0926	76		
1.01.0935.0	0935	76		
1.01.0937.0	0937	76		
1.01.0940.0	0940	76		
1.01.0953.0	0953	76		
1.01.0959.0	0959	76		
1.01.0961.0	0961	76		
1.01.0976.0	0976	77		
1.01.0978.0	0978	77		
1.01.0991.0	0991	77		
1.01.1022.0	1022	77		
1.01.1023.0	1023	77		
1.01.1024.0	1024	77		
1.01.1025.0	1025	77		
1.01.1026.0	1026	77		
1.01.1031.0	1031	77		
1.01.1037.0	1037	77		
1.01.1047.0	1047	77		

Nº ZEN	ANTIGO OLD ANTIGUO	Nº ZEN	NOVO NEW NUEVO	Pg.
1.01.1057.0	1057	77		
1.01.1058.0	1058	77		
1.01.1063.0	1063	77		
1.01.1070.0	1070	77		
1.01.1072.0	1072	77		
1.01.1081.0	1081	78		
1.01.1082.0	1082	78		
1.01.1108.0	1108	78		
1.01.1117.0	1117	78		
1.01.1134.0	1134	78		
1.01.1158.0	1158	78		
1.01.1159.0	1159	78		
1.01.1161.0	1161	78		
1.01.1173.0	1173	78		
1.01.1174.0	1174	78		
1.01.0020.1	1184	78		
1.01.0287.1	1187	78		
1.01.0409.1	1188	78		
1.01.0433.1	1189	78		
1.01.0629.1	1194	78		
1.01.0941.1	1217	78		
1.01.0024.4	1359	79		
1.01.0105.4	1364	79		
1.01.0748.4	1372	79		
1.01.1458.0	1458	79		
1.01.1539.0	1539	79		
1.01.1555.0	1555	79		
1.01.1563.0	1563	79		
1.01.1567.0	1567	79		
1.01.1585.0	1585	79		
1.01.1596.0	1596	79		
1.01.1601.0	1601	79		
1.01.1607.0	1607	79		
1.01.1613.0	1613	79		
1.01.1614.0	1614	79		
1.01.1618.0	1618	79		
1.01.1619.0	1619	79		
1.01.1629.0	1629	80		
1.01.1635.0	1635	80		
1.01.1638.0	1638	80		
1.01.1642.0	1642	80		
1.01.1643.0	1643	80		
1.01.1650.0	1650	80		
1.01.1667.0	1667	80		
1.01.1676.0	1676	80		
1.01.1692.0	1692	80		
1.01.1696.0	1696	80		
1.01.1712.0	1712	80		
1.01.1715.0	1715	80		
1.01.1755.0	1755	80		
1.01.1756.0	1756	80		
1.01.1761.0	1761	80		
1.01.1764.0	1764	80		
1.01.1769.0	1769	81		
1.01.1776.0	1776	81		

Nº ZEN	ANTIGO OLD ANTIGUO	Nº ZEN	NOVO NEW NUEVO	Pg.
1.01.1794.0	1794	81		
1.01.1807.0	1807	81		
1.01.1812.0	1812	81		
1.01.1815.0	1815	81		
1.01.1840.0	1840	81		
1.01.1845.0	1845	81		
	1849	81		
1.01.1856.0	1856	81		
1.01.1862.0	1862	81		
1.01.1863.0	1863	81		
1.01.1873.0	1873	81		
1.01.1874.0	1874	81		
1.01.1876.0	1876	81		
	1877	81		
	1886	82		
	1899	82		
	1906	82		
	1914	82		
	1918	82		
	1919	82		
	1935	82		
	1939	82		
	1942	82		
	1946	82		
	1952	82		
	1957	82		
	1982	82		
	1985	82		
	1990	82		
	2002	82		
	2004	83		
	2005	83		
	2014	83		
	2039	83		
1.01.0952.1	10003	83		
Pinhão Pinion Piñon				
	0280	84		
	9526	84		
	9791	84		
Planetária Planetary Gear Planetario				
	12675	85		
	12681	85		
	12682	85		
	12683	85		
	12684	85		
	12685	85		
	12686	85		
	12687	85		
	12720	85		
	12841	85		
	13585	85		

Acura	Nº ZEN	Pg.
CSX L4 2.0L 1998cc 122cid	1849	81
Legend 3.2 C32A2	1863	81
SLX 3.2 6VD1	1863	81
SLX 3.5 6VE1	1863	81
TSX L4 2.4L 2354cc	1849	81

Agco	Nº ZEN	Pg.
Trator 6 cil.	12675	85
Trator 6 cil.	13585	85

Agrale	Nº ZEN	Pg.
1600D	1364	79
1800D	1364	79
5075 BX 150	1596	79
5085.4 BX 150	1596	79
Caminhão 1600D	0105	71
Caminhão 1800D	0105	71
Caminhão TX1600D	0105	71
Micro Ônibus Volare	1063	77
Micro Ônibus Volare (Marcopolo) MWM 407 TCA	0991	77
Micro Ônibus Volare (Marcopolo) MWM 407 TCA	1022	77
Motor MWM	12684	85
Ônibus Volare	12682	85
Ônibus Volare	13585	85
TX1600D	1364	79

Alfa Romeo	Nº ZEN	Pg.
145, 145 1.6ie	12683	85
159 1.8	1899	82
159 2.0	1899	82
2600TT	0223	72
30	0291	72
30AR8	0310	72
30AR8	0407	73
32	0291	72
32AR8	0310	72
32AR8	0407	73
35	0291	72
35AR8	0310	72
35AR8	0407	73
40 AR8	0291	72
40AR8	0310	72
40AR8	0407	73
4C 1.7	1899	82
4C Spider 1.7	1899	82
Alfa 164 2.0	0482	73
Alfa 164 3.0	0482	73
Alfa 33 1.3, 1.5, 1.6	0482	73
Alfa 6 2.0, 2.5	0108	71
Alfa 75 1.6, 1.8, 1.8 turbo, 2.5	0108	71
Alfa 75 2.0	0482	73
Alfa 90 1.8, 2.0, 2.5	0108	71
Alfa 90 2.0	0482	73
Alfa Romeo 14AR 6 Turbo	0875	76
Alfasud 1.2 Super TI	0108	71
Alfetta 1.6, 1.8, 2.0	0108	71
Arna 1.2 e 1.3	0108	71
Brera 2.0	1899	82

Alfa Romeo	Nº ZEN	Pg.
Especial/Special	1117	78
F2	0108	71
Giulietta 1.3, 1.8, 2.0	0108	71
Giulietta 1.8	1899	82
GTV2000 2.0 e 2.5	0108	71
JK2000	0015	71
JK2150	0015	71
Spider 1.8	1899	82
Spider 2.0	1899	82

Asia Motors	Nº ZEN	Pg.
1135-1	0392	73
1135-15	0392	73
1135-50	0392	73
1135-55	0392	73
2135	0392	73
2135-50	0392	73
Towner Daewoo	0854	76
Towner Com Motor Mando	0940	76

Atlas Copco	Nº ZEN	Pg.
Caminhões	0378	73
Tratores	0378	73

Audi	Nº ZEN	Pg.
100 1.8, 1.9, 2.0	0108	71
100	0482	73
100 5D turbo D 2.0	0228	72
1000	0015	71
100D	0631	74
100INJ	0482	73
100TD	0631	74
200	0482	73
200 turbo	0108	71
200I	0108	71
80	0108	71
80 1.6, 1.8 e 1.9	0482	73
80D	0482	73
80INL	0482	73
80L	0108	71
80TD	0482	73
90	0482	73
90D	0482	73
A1 2.0	1985	82
A1 1.6TDI	2005	83
A3 1.9 TDI	0937	76
A3 1.6 - 1.8 T	1108	78
A3 1.9 TDI - 2.0 TDI - 3.2 V6 quattro	1856	81
A3 1.8	1985	82
A3 2.0	1985	82
A3 1.6TDI	2005	83
Coupe 1.6	0482	73
Fox 100 1.6, 1.8, 1.9	0068	71
Fox 4000 1.6, 1.7	0068	71
Fox 50 1.3, 1.5	0068	71
Fox 80 1.3, 1.5, 1.6	0068	71
Q3 1.4	1985	82
Q3 2.0	1985	82

Audi	Nº ZEN	Pg.
Quattro	0108	71
Quattro	0482	73
RS3 Limousine 2.5	1985	82
RSQ3 2.5	1985	82
S3 2.0	1985	82
TT	1108	78
TT 1.8 T - 3.2 V6 quattro	1856	81
TT 2.0 e 2.5	1985	82
TTS 2.0	1985	82

Austin	Nº ZEN	Pg.
Morris 1100	0486	73

Bedford	Nº ZEN	Pg.
Caminhão	0486	73
CF 1.8 e 2.3	1188	78
MIDI	0686	74
MIDI	0765	75
Rascal	0686	74

Berliet	Nº ZEN	Pg.
400	1159	78
450	1159	78
480	1159	78
500	1159	78
530	1159	78
550	1159	78
560	1159	78

BMW	Nº ZEN	Pg.
1500	0223	72
1502	0223	72
1600	0223	72
1602	0223	72
1800	0223	72
1800TI	0223	72
1802	0223	72
2000	0223	72
2002	0223	72
2002 Turbo	0223	72
2500	0223	72
2600	0015	71
2600L	0015	71
2800	0223	72
3000	0223	72
316	0223	72
318	0223	72
320	0108	71
320	0223	72
3200	0015	71
3200CS	0015	71
320i	0223	72
323 i	0108	71
324D	0573	74
324TD	0573	74
325E	0482	73
325i	0482	73
3300	0223	72

BMW	Nº ZEN	Pg.
503	0015	71
518	0223	72
520	0108	71
520	0223	72
520i	0223	72
523 i	0108	71
524TD	0573	74
525	0223	72
525E	0482	73
528	0108	71
528	0223	72
528i	0223	72
528i	0068	71
728	0223	72
728i	0068	71
750i	0573	74
90	0482	73
900	0482	73
900 Turbo	0482	73
900 Turbo 16	0482	73
9000	0482	73
900iNJ	0482	73

Bobcat	Nº ZEN	Pg.
Especial/Special	1194	78

Bonser	Nº ZEN	Pg.
D20	0398	73
D200K	0398	73
D25	0398	73
D2500K	0398	73

Buick	Nº ZEN	Pg.
Century 3.1 L (189) V6	10003	83
Century 3.1 L (189) V6	12720	85
Enclave V6 3.6L 217cid	0806	75
Enclave V6 3.6L 3564cc 217cid	0806	75
LaCrosse V6 3.0L 182cid	0806	75
LaCrosse V6 3.6L 217cid	0806	75
LaCrosse V6 3.6L 3564cc 217cid	0806	75
Regal L4 2.0L 1998cc 122cid	1935	82

Cadillac	Nº ZEN	Pg.
ATS L4 2.0L 1998cc 122cid	1935	82
ATS L4 2.5L 2457cc 150cid	1935	82
Escalade V8 6.2L	1761	80
Escalade 5.3L (325) V8	10003	83
Escalade 5.3L (325) V8	12720	85
SRX V6 3.0L 182cid	0806	75
STS V6 3.6L 217cid	0806	75

Case	Nº ZEN	Pg.
580/E/CK (Perkins) Perkins	0024	71
Escavadeira Hidráulica 80CP	0105	71
Escavadeira Hidráulica 80CP, 80CR.	1364	79
Escavadeira Hidráulica 80CR	0105	71
Pá Carregadeira W18	0105	71
Pá Carregadeira W18	1364	79
Pá Carregadeira W20	0034	71

Case	Nº ZEN	Pg.
Pá Carregadeira W20	0105	71
Pá Carregadeira W20	1364	79
Pá Carregadeira W20B	0105	71
Pá Carregadeira W20B	1364	79
Pá Carregadeira W7 com motor Perkins 6 cil	0024	71
Pá Carregadeira W7 Perkins 6 cil	1359	79
Retroescavadeira 580H	0118	72
Retroescavadeira 580 Perkins 4 cil	0024	71
Retroescavadeira 580 Perkins 4 cil	1359	79
Retroescavadeira 580CK Perkins 4cil	0024	71
Retroescavadeira 580CK Perkins 4 cil	1359	79
Retroescavadeira 580E Perkins 4 cil	0024	71
Retroescavadeira 580E Perkins 4 cil	1359	79
Retroescavadeira 580H	0024	71
Retroescavadeira 580H	1359	79
Trator 580H/SH/SH 4x4 Cummins 433.9	0497	73
W18	0105	71
W18	1364	79
W20 (MBB-OM 352)	0105	71
W20 (MBB-OM 352)	1364	79
W20B (MBB-OM 352A)	0105	71
W20B (MBB-OM 352A)	1364	79
Windrower 6000 225 gasolina	0495	73
Windrower 6500 225 gasolina	0495	73

Caterpillar	Nº ZEN	Pg.
320B Mitsubishi 24V	0887	76

CBT	Nº ZEN	Pg.
1000 Perkins 4, 6 cil	1359	79
1065	1364	79
1065 (MBB-OM 314)	1364	79
1090 Perkins 4, 6 cil	1359	79
1100 Perkins 4, 6 cil	1359	79
1105 (MBB-OM 352)	1364	79
2080 (MBB-OM 314)	1364	79
2105 (MBB-OM 352)	1364	79
2600	1364	79
8060 4x4 (MBB-OM 352)	1364	79
8240 Perkins 4236 álcool	1359	79
8440	1364	79
950	1364	79
Javali	0627	74
Oliver 1020	0034	71
Oliver 1020	1364	79
Oliver 1065	0034	71
Oliver 1105	0034	71
Oliver 950	0034	71
Trator 1000 Perkins 4 e 6 cil	0024	71
Trator 1065 (MBB-OM 314)	0105	71
Trator 1090 Perkins 4 e 6 cil	0024	71
Trator 1100 Perkins 4 e 6 cil	0024	71
Trator 1105 (MBB-OM 352)	0105	71
Trator 2080 (MBB-OM 314)	0105	71
Trator 2105 (MBB-OM 352)	0105	71
Trator 2600	0105	71
Trator 8060 4x4 (MBB-OM 352)	0105	71
Trator 8240 Perkins 4236	0024	71

CBT	Nº ZEN	Pg.
Trator 8240	0118	72
Trator 8260 4x4 com motor Perkins	0118	72
Trator 8440	0105	71
Trator Oliver 1020	0105	71
Trator Oliver 1065	0105	71
Trator Oliver 950	0105	71

Chrysler	Nº ZEN	Pg.
135	1359	79
155	1359	79
200 V6 3.6L 3605cc 220cid VIN G	1877	81
300 V8 7.2L 440cid	0495	73
300 V8 7.2L 7211cc 440cid	0495	73
300 V8 7.2L 7212cc 440cid	0495	73
50	1359	79
60	1359	79
C-300	1359	79
C-500 Y110	1359	79
Caminhão Dodge D300 com motor Perkins	0118	72
Caminhão Dodge D950 com motor MWM	0105	71
Caminhão Dodge P700 com motor MWM	0105	71
Caminhão Dodge P900 com motor MWM	0105	71
Cordoba L6 3.7L 3687cc 225cid	0495	73
Cordoba V8 5.2L 318cid	0495	73
Cordoba V8 5.9L 360cid	0495	73
Cordoba V8 6.6L 400cid	0495	73
Dodge Álcool	0070	71
Dodge	0573	74
Dodge 1500	0397	73
Dodge C17	0392	73
Dodge C20	0392	73
Dodge C2662	0392	73
Dodge C2664	0392	73
Dodge D100 gasolina	0070	71
Dodge D400 Perkins 4 cil	0024	71
Dodge D400 Perkins 4 cil	1359	79
Dodge D900 gasolina	0070	71
Dodge D950 MWM	0034	71
Dodge D950 MWM	1364	79
Dodge Dakota 2.5 Diesel	0573	74
Dodge P700 MWM	1364	79
Dodge P900 MWM	1364	79
Dodge Ranger DKCF, DVC, WC	0486	73
Dodge Ranger KC, VC	0486	73
Dodge Ranger KCF, DKC	0486	73
Dodge T17	0392	73
Fifth Avenue L6 3.7L 3687cc 225cid	0495	73
Fifth Avenue V8 5.2L 318cid	0495	73
HY 40	1359	79
Imperial V8 5.2L 318cid	0495	73
Imperial V8 7.2L 440cid	0495	73
Imperial V8 7.2L 7211cc 440cid	0495	73
Imperial V8 7.2L 7212cc 440cid	0495	73
Jeep Cherokee Sport	0573	74
LeBaron L6 3.7L 3687cc 225cid	0495	73
LeBaron V8 5.2L 318cid	0495	73
LeBaron V8 5.9L 360cid	0495	73

Chrysler	Nº ZEN	Pg.
New Yorker L6 3.7L 3687cc 225cid	0495	73
New Yorker V8 5.2L 318cid	0495	73
New Yorker V8 5.9L 360cid	0495	73
New Yorker V8 6.6L 400cid	0495	73
New Yorker V8 6.6L 6555cc 400cid	0495	73
New Yorker V8 7.2L 440cid	0495	73
New Yorker V8 7.2L 7211cc 440cid	0495	73
New Yorker V8 7.2L 7212cc 440cid	0495	73
Newport L6 3.7L 3687cc 225cid	0495	73
Newport V8 5.2L 318cid	0495	73
Newport V8 5.9L 360cid	0495	73
Newport V8 5.9L 5899cc 360cid	0495	73
Newport V8 5.9L 5900cc 360cid	0495	73
Newport V8 6.3L 383cid	0495	73
Newport V8 6.3L 6286cc 383cid	0495	73
Newport V8 6.6L 400cid	0495	73
Newport V8 6.6L 6555cc 400cid	0495	73
Newport V8 7.2L 440cid	0495	73
Newport V8 7.2L 7211cc 440cid	0495	73
Newport V8 7.2L 7212cc 440cid	0495	73
Town Country L6 3.7L 3687cc 225cid	0495	73
Town Country V8 5.9L 360cid	0495	73
Town Country V8 6.3L 383cid	0495	73
Town Country V8 6.3L 6286cc 383cid	0495	73
Town Country V8 6.6L 400cid	0495	73
Town Country V8 6.6L 6555cc 400cid	0495	73
Town Country V8 6.6L 6556cc 400cid	0495	73
Town Country V8 7.2L 440cid	0495	73
Town Country V8 7.2L 7211cc 440cid	0495	73
Town Country V8 7.2L 7212cc 440cid	0495	73
Town E Country V6 3.6L 3604cc 220cid	1877	81
Town E Country V6 3.6L 3605cc 220cid	1877	81
Citroën	Nº ZEN	Pg.
AX	0482	73
Ax	0976	77
Berlingo	0976	77
Berlingo 1.8 D, 1.9 D e 2.0 HDi	1023	77
Berlingo 1.8, 1.8 d	1031	77
Berlingo 1.8, 1.8 d	1037	77
Berlingo 1.6 HDI	1812	81
BX	0961	76
BX 14	0108	71
BX 16	1187	78
BX14	0482	73
BX16	0482	73
BX16	0926	76
C1, C2, C3 1.4 Hdi e 1.6 Hdi	1812	81
C22	0108	71
C25	0108	71
C25	1187	78
C3 1.1i, 1.4i, 1.6 16V	0976	77
C3	1755	80
C3 1.6	1982	82
C4	1755	80
C4 1.6 16V Bio flex e 1.6 Hdi	1812	81
C4 1.6	1982	82

Citroën	Nº ZEN	Pg.
C4 Pallas	0806	75
C5 1.6 Hdi e 2.2 HDi	1812	81
CX 2.0	1187	78
DS3 1.6	1982	82
DS4 1.6	1982	82
DS5 1.6	1982	82
Evasion 1.8, 2.0, 2.0 turbo	1031	77
Evasion 1.8, 2.0, 2.0 turbo	1037	77
Jumper 2.0	1031	77
Jumper 2.0	1037	77
Jumper 2.5 D-TD	1072	77
Jumper	1642	80
Jumper	1643	80
Jumper 2.8 HDi	1650	80
Jumper	1874	81
Jumper 2.2 HDi	2014	83
Jumper 2.8 Hdi 4X4	1840	81
Jumpy 1.6	1982	82
LNA 11	0482	73
LNA II	0108	71
Picasso 1.8 16V	1031	77
Picasso 1.8 16V, ZX 1.6, 1.8 16V, 1.9, 2.0i	1037	77
Picasso 1.6 16V Bio Flex e 1.6 Hdi	1812	81
Relay 2.8 HDi	1650	80
Relay III 2.2 HDi	2014	83
Saxo 1.0 / 1.4	0787	75
Saxo 1.0, 1.4	0976	77
SpaceTourer 1.6	1982	82
Visa	0108	71
Visa 10	0482	73
Visa 11	0482	73
Visa 14 ZX 1.9i, 2.0i	0482	73
Visa II	0108	71
Xantia 1.6 / 1.8i / 2.0i 16V	0787	75
Xantia	0961	76
Xantia 1.6, 1.8 8V /16V, 2.0 8V/16V, 2.0 CT turbo, 2.0 HDI	1031	77
Xantia 1.6, 1.8 8V /16V, 2.0 8V/16V, 2.0 CT turbo, 2.0 HDI	1037	77
XM 2.0i	0787	75
XM	0961	76
XM 2.5 TD	1024	77
XM 2.0 CT Turbo, 2.0,i	1031	77
XM 2.0 CT Turbo, 2.0,i	1037	77
Xsara 1.8 / 2.0 16V	0787	75
Xsara 1.4i	0976	77
Xsara 1.8, 1.8 16V, 2.0 16V, 2.0 16V VTS	1031	77
Xsara 1.8, 1.8 16V, 2.0 16V, 2.0 16V VTS	1037	77
Xsara Picasso 2.0 16V.	0976	77
Xsara Picasso 1.6 HDI	1812	81
ZX 1.0 / 1.4 / 1.6 / 1.8 / 2.0 16V	0787	75
ZX	0961	76
ZX 1.0, 1.4	0976	77
ZX 1.6, 1.8 16V, 1.9, 2.0i	1031	77
Clark	Nº ZEN	Pg.
Empilhadeira 135	0024	71
Empilhadeira 155	0024	71

Clark	Nº ZEN	Pg.
Empilhadeira 50	0024	71
Empilhadeira 60	0024	71
Empilhadeira C-300	0024	71
Empilhadeira C-500	0024	71
Empilhadeira HY 40	0024	71
Empilhadeira Y110	0024	71
Motor PK4236 Pick Up	1359	79
Pá Carregadeira Michigam 55A	0034	71
Pá Carregadeira Michigam 65R	0034	71
Pá Carregadeira Michigam 75III	0034	71
Pá Carregadeira Michigan 45C	0105	71
Pá Carregadeira Michigan 45C	1364	79
Pá Carregadeira Michigan 55A	0105	71
Pá Carregadeira Michigan 55A	1364	79
Pá Carregadeira Michigan 55C	0105	71
Pá Carregadeira Michigan 55C	1364	79
Pá Carregadeira Michigan 65R	0105	71
Pá Carregadeira Michigan 65R	1364	79
Pá Carregadeira Michigan 75A	0024	71
Pá Carregadeira Michigan 75A	1359	79
Pá Carregadeira Michigan 75II	0024	71
Pá Carregadeira Michigan 75II	1359	79
Pá Carregadeira Michigan 75III	0024	71
Pá Carregadeira Michigan 75III	0105	71
Pá Carregadeira Michigan 75III	1359	79
Pá Carregadeira Michigan 75III	1364	79
PK4236 Pick Up	0024	71

Cockshutt	Nº ZEN	Pg.
5542 Chrysler 8...383	0495	73
555 Chrysler 383 Engine	0495	73

Cummins	Nº ZEN	Pg.
B6	12682	85
BT5. 9L	12682	85
Especial/Special 10D	0497	73
Especial/Special	1194	78
Motores	12684	85
Motores Cummins série B	13585	85
Motores Cummins série 4BT	13585	85
Motores Cummins série 6BT	13585	85
Motores Cummins série 6BTAA	13585	85
Motores Cummins Série B	12686	85
Motores Séries 6BT (Dianteiro)	12682	85

Dacia	Nº ZEN	Pg.
Logan	1756	80
Logan Express	1756	80
Logan MCV	1756	80
Logan Pick Up	1756	80

Daewoo	Nº ZEN	Pg.
Musso 2.3	1619	79

Daihatsu	Nº ZEN	Pg.
Charmant 1.3, 1.4, 1.6	0184	72
Delta	0184	72

Deutz	Nº ZEN	Pg.
Caminhões	0378	73
Trator 100S	0105	71
Trator 120S	0105	71
Trator 4.190	0105	71
Trator 80S	0105	71
Trator AX 4.100	0105	71
Tratores	0378	73

Dimex	Nº ZEN	Pg.
Ônibus	12686	85
Ônibus	13585	85

Dodge	Nº ZEN	Pg.
330 V8 4.5L 4473cc 273cid	0495	73
330 V8 5.2L 5212cc 318cid	0495	73
440 V8 4.5L 4473cc 273cid	0495	73
440 V8 5.2L 5212cc 318cid	0495	73
880 V8 4.5L 4473cc 273cid	0495	73
880 V8 5.2L 5212cc 318cid	0495	73
Aspen L6 3.7L 3687cc 225cid	0495	73
Aspen V8 5.2L 318cid	0495	73
Avenger V6 3.6L	1877	81
B150 V6 3.9L 3906cc 239cid	0816	75
B150 V8 5.2L 5211cc 318cid	0816	75
B1500 V6 3.9L 3906cc 239cid	0816	75
B1500 V8 5.2L 5211cc 318cid	0816	75
B250 V6 3.9L 3906cc 239cid	0816	75
B250 V8 5.2L 5211cc 318cid	0816	75
B250 V8 5.9L 360cid	0816	75
B2500 V6 3.9L 3906cc 239cid	0816	75
B2500 V8 5.2L 5211cc 318cid	0816	75
B2500 V8 5.9L 360cid	0816	75
B350 V8 5.2L 5211cc 318cid	0816	75
B350 V8 5.9L 360cid	0816	75
B3500 V8 5.2L 5211cc 318cid	0816	75
B3500 V8 5.9L 360cid	0816	75
Caminhão	0486	73
Challenger L6 3.7L 225cid	0495	73
Challenger L6 3.7L 3687cc 225cid	0495	73
Challenger V8 5.2L 318cid	0495	73
Challenger V8 5.2L 5212cc 318cid	0495	73
Charger L6 3.7L 225cid	0495	73
Charger L6 3.7L 3687cc 225cid	0495	73
Charger V8 5.2L 318cid	0495	73
Charger V8 5.2L 5212cc 318cid	0495	73
Coronet L6 3.7L 225cid	0495	73
Coronet L6 3.7L 3687cc 225cid	0495	73
Coronet V8 5.2L 318cid	0495	73
Coronet V8 5.2L 5212cc 318cid	0495	73
Custom V8 4.5L 4473cc 273cid	0495	73
Custom V8 5.2L 5212cc 318cid	0495	73
D100 V8 5.9L 360cid	0495	73
D100 V8 6.6L 400cid	0495	73
D100 V8 7.2L 440cid	0495	73
D100 Pick Up V8 5.9L 360cid	0495	73
D100 Pick Up V8 5.9L 5899cc 360cid	0495	73
D100 Pick Up V8 5.9L 5900cc 360cid	0495	73
D100 Pick Up V8 6.3L 383cid	0495	73

Dodge	Nº ZEN	Pg.
D100 Pick Up V8 6.3L 6286cc 383cid	0495	73
D100 Pick Up V8 6.6L 400cid	0495	73
D100 Pick Up V8 6.6L 6555cc 400cid	0495	73
D100 Pick Up V8 6.6L 6556cc 400cid	0495	73
D100 Pick Up V8 7.2L 440cid	0495	73
D100 Pick Up V8 7.2L 7211cc 440cid	0495	73
D100 Pick Up V8 7.2L 7212cc 440cid	0495	73
D100 Séries V8 6.3L 6286cc 383cid	0495	73
D150 V8 5.9L 360cid	0495	73
D150 V8 6.6L 400cid	0495	73
D150 V8 7.2L 440cid	0495	73
D150 V6 3.9L 3906cc 239cid	0816	75
D150 V8 5.2L 5211cc 318cid	0816	75
D150 V8 5.9L 360cid	0816	75
D200 V8 5.9L 360cid	0495	73
D200 V8 6.6L 400cid	0495	73
D200 V8 7.2L 440cid	0495	73
D200 Pick Up V8 5.9L 360cid	0495	73
D200 Pick Up V8 5.9L 5899cc 360cid	0495	73
D200 Pick Up V8 5.9L 5900cc 360cid	0495	73
D200 Pick Up V8 6.3L 383cid	0495	73
D200 Pick Up V8 6.3L 6286cc 383cid	0495	73
D200 Pick Up V8 6.6L 400cid	0495	73
D200 Pick Up V8 6.6L 6555cc 400cid	0495	73
D200 Pick Up V8 6.6L 6556cc 400cid	0495	73
D200 Pick Up V8 7.2L 440cid	0495	73
D200 Pick Up V8 7.2L 7211cc 440cid	0495	73
D200 Pick Up V8 7.2L 7212cc 440cid	0495	73
D200 Séries V8 6.3L 6286cc 383cid	0495	73
D250 V8 5.9L 360cid	0495	73
D250 V6 3.9L 3906cc 239cid	0816	75
D250 V8 5.2L 5211cc 318cid	0816	75
D250 V8 5.9L 360cid	0816	75
D300 V8 5.9L 360cid	0495	73
D300 V8 6.6L 400cid	0495	73
D300 V8 7.2L 440cid	0495	73
D300 Pick Up V8 5.9L 360cid	0495	73
D300 Pick Up V8 5.9L 5899cc 360cid	0495	73
D300 Pick Up V8 5.9L 5900cc 360cid	0495	73
D300 Pick Up V8 6.3L 383cid	0495	73
D300 Pick Up V8 6.3L 6286cc 383cid	0495	73
D300 Pick Up V8 6.6L 400cid	0495	73
D300 Pick Up V8 6.6L 6555cc 400cid	0495	73
D300 Pick Up V8 6.6L 6556cc 400cid	0495	73
D300 Pick Up V8 7.2L 440cid	0495	73
D300 Pick Up V8 7.2L 7211cc 440cid	0495	73
D300 Pick Up V8 7.2L 7212cc 440cid	0495	73
D300 Séries V8 6.3L 6286cc 383cid	0495	73
D350 V8 5.9L 360cid	0495	73
D350 V8 5.9L 360cid	0816	75
D400 V8 5.9L 360cid	0495	73
D400 V8 7.2L 440cid	0495	73
D450 V8 5.9L 360cid	0495	73
D450 V8 7.2L 440cid	0495	73
Dakota V6 3.9L 3906cc 239cid	0816	75
Dakota V8 5.2L 5211cc 318cid	0816	75
Dart L6 3.2L 198cid	0495	73

Dodge	Nº ZEN	Pg.
Dart L6 3.2L 3254cc 198cid	0495	73
Dart L6 3.7L 3687cc 225cid	0495	73
Dart V8 4.5L 273cid	0495	73
Dart V8 4.5L 4473cc 273cid	0495	73
Dart V8 5.2L 318cid	0495	73
Dart V8 5.2L 5212cc 318cid	0495	73
Dart V8 5.6L 340cid	0495	73
Dart V8 5.6L 5572cc 340cid	0495	73
Diplomat L6 3.7L 3687cc 225cid	0495	73
Diplomat V8 5.2L 318cid	0495	73
Diplomat V8 5.2L 5211cc 318cid	0495	73
Dodge 1500	0463	73
Dodge 1500 1.8	0714	75
Grand Caravan V6 3.6L	1877	81
Journey V6 3.6L	1877	81
Journey 2.0	1899	82
Magnum V8 5.2L 318cid	0495	73
Mirada L6 3.7L 3687cc 225cid	0495	73
Mirada V8 5.2L 318cid	0495	73
Monaco L6 3.7L 3687cc 225cid	0495	73
Monaco V8 5.2L 318cid	0495	73
Monaco V8 5.2L 5212cc 318cid	0495	73
P200 L6 3.7L 3687cc 225cid	0495	73
P300 L6 3.7L 3687cc 225cid	0495	73
P300 V8 5.9L 360cid	0495	73
Pick Up Durango 4x4	0714	75
Polara L6 3.7L 225cid	0495	73
Polara L6 3.7L 3687cc 225cid	0495	73
Polara V8 4.5L 4473cc 273cid	0495	73
Polara V8 5.2L 318cid	0495	73
Polara V8 5.2L 5212cc 318cid	0495	73
Ram 1500 V6 3.9L 3906cc 239cid	0816	75
Ram 1500 V8 5.2L 5211cc 318cid	0816	75
Ram 1500 V8 5.9L 360cid	0816	75
Ram 2500 V8 5.2L 5211cc 318cid	0816	75
Ram 2500 V8 5.9L 360cid	0816	75
Ram 3500 V8 5.9L 360cid	0816	75
Ram 4000 8 cil. 5.9L 360cid	0816	75
Ramcharger V8 5.9L 360cid	0495	73
Ramcharger V8 5.9L 5899cc 360cid	0495	73
Ramcharger V8 6.6L 400cid	0495	73
Ramcharger V8 6.6L 6555cc 400cid	0495	73
Ramcharger V8 6.6L 6556cc 400cid	0495	73
Ramcharger V8 7.2L 440cid	0495	73
Ramcharger V8 7.2L 7211cc 440cid	0495	73
Ramcharger V8 7.2L 7212cc 440cid	0495	73
Ramcharger V8 5.2L 5211cc 318cid	0816	75
Ramcharger V8 5.9L 360cid	0816	75
Royal Monaco V8 5.2L 318cid	0495	73
St. Regis L6 3.7L 3687cc 225cid	0495	73
St. Regis V8 5.2L 318cid	0495	73
Todos os modelos Chrysler 5.9L(360) V8	0495	73
Todos os modelos Chrysler 6.3L(383) V8	0495	73
Todos os modelos Chrysler 6.6L(400) V8	0495	73
Todos os modelos Chrysler 6.8L(413) V8	0495	73
Todos os modelos Chrysler 7.2L(440) V8	0495	73
Van A100 V8 5.2L 5212cc 318cid	0495	73

Dodge	Nº ZEN	Pg.
Van B100 L6 3.7L 3687cc 225cid	0495	73
Van B100 V8 5.2L 5211cc 318cid	0495	73
Van B100 Van L6 3.2L 198cid	0495	73
Van B100 Van L6 3.2L 3254cc 198cid	0495	73
Van B100 Van L6 3.7L 225cid	0495	73
Van B100 Van L6 3.7L 3687cc 225cid	0495	73
Van B100 Van V8 5.2L 318cid	0495	73
Van B100 Van V8 5.2L 5212cc 318cid	0495	73
Van B150 L6 3.7L 3687cc 225cid	0495	73
Van B150 V8 5.2L 5211cc 318cid	0495	73
Van B200 L6 3.7L 225cid	0495	73
Van B200 L6 3.7L 3687cc 225cid	0495	73
Van B200 V8 5.2L 5211cc 318cid	0495	73
Van B200 Van L6 3.2L 198cid	0495	73
Van B200 Van L6 3.2L 3254cc 198cid	0495	73
Van B200 Van L6 3.7L 225cid	0495	73
Van B200 Van L6 3.7L 3687cc 225cid	0495	73
Van B200 Van V8 5.2L 318cid	0495	73
Van B200 Van V8 5.2L 5212cc 318cid	0495	73
Van B250 L6 3.7L 3687cc 225cid	0495	73
Van B250 V8 5.2L 5211cc 318cid	0495	73
Van B300 L6 3.7L 225cid	0495	73
Van B300 L6 3.7L 3687cc 225cid	0495	73
Van B300 V8 5.2L 5211cc 318cid	0495	73
Van B300 Van L6 3.7L 225cid	0495	73
Van B300 Van L6 3.7L 3687cc 225cid	0495	73
Van B300 Van V8 5.2L 318cid	0495	73
Van B300 Van V8 5.2L 5212cc 318cid	0495	73
Van B350 V8 5.2L 5211cc 318cid	0495	73
W100 V8 5.9L 360cid	0495	73
W150 V6 3.9L 3906cc 239cid	0816	75
W150 V8 5.2L 5211cc 318cid	0816	75
W150 V8 5.9L 360cid	0816	75
W250 V8 5.2L 5211cc 318cid	0816	75
W250 V8 5.9L 360cid	0816	75
W350 V8 5.9L 360cid	0816	75
Dodge Truck	Nº ZEN	Pg.
A100 Truck V8 5.2L 318cid	0495	73
CB300 V8 5.9L 360cid VIN K	0495	73
CB300 V8 5.9L 360cid VIN T	0495	73
D100 L6 3.7L 3687cc 225cid	0495	73
D100 V8 5.2L 5211cc 318cid	0495	73
D100 Pick Up L6 3.7L 3687cc 225cid	0495	73
D100 Pick Up V8 5.2L 318cid	0495	73
D100 Pick Up V8 5.2L 5212cc 318cid	0495	73
D150 L6 3.7L 3687cc 225cid	0495	73
D150 V8 5.2L 5211cc 318cid	0495	73
D200 L6 3.7L 3687cc 225cid	0495	73
D200 V8 5.2L 5211cc 318cid	0495	73
D200 Pick Up L6 3.7L 3687cc 225cid	0495	73
D200 Pick Up V8 5.2L 318cid	0495	73
D200 Pick Up V8 5.2L 5212cc 318cid	0495	73
D250 L6 3.7L 3687cc 225cid	0495	73
D250 V8 5.2L 5211cc 318cid	0495	73
D300 L6 3.7L 3687cc 225cid	0495	73
D300 V8 5.2L 5211cc 318cid	0495	73

Dodge Truck	Nº ZEN	Pg.
D300 Pick Up L6 3.7L 3687cc 225cid	0495	73
D300 Pick Up V8 5.2L 318cid	0495	73
D300 Pick Up V8 5.2L 5212cc 318cid	0495	73
D350 V8 5.2L 5211cc 318cid	0495	73
Dakota V6 3.9L 3906cc 239cid	0495	73
Ramcharger L6 3.7L 3687cc 225cid	0495	73
Ramcharger V8 5.2L 318cid	0495	73
Ramcharger V8 5.2L 5211cc 318cid	0495	73
Ramcharger V8 5.2L 5212cc 318cid	0495	73
W100 L6 3.7L 3687cc 225cid	0495	73
W100 V8 5.2L 5211cc 318cid	0495	73
W100 Pick Up L6 3.7L 3687cc 225cid	0495	73
W100 Pick Up V8 5.2L 318cid	0495	73
W100 Pick Up V8 5.2L 5212cc 318cid	0495	73
W150 L6 3.7L 3687cc 225cid	0495	73
W150 V8 5.2L 5211cc 318cid	0495	73
W200 L6 3.7L 3687cc 225cid	0495	73
W200 V8 5.2L 318cid	0495	73
W200 V8 5.2L 5211cc 318cid	0495	73
W200 Pick Up L6 3.7L 3687cc 225cid	0495	73
W200 Pick Up V8 5.2L 318cid	0495	73
W200 Pick Up V8 5.2L 5212cc 318cid	0495	73
W250 V8 5.2L 5211cc 318cid	0495	73
W300 L6 3.7L 3687cc 225cid	0495	73
W300 V8 5.2L 5211cc 318cid	0495	73
W300 Pick Up L6 3.7L 3687cc 225cid	0495	73
W300 Pick Up V8 5.2L 318cid	0495	73
W300 Pick Up V8 5.2L 5212cc 318cid	0495	73
W350 V8 5.2L 5211cc 318cid	0495	73
Effa Motors	Nº ZEN	Pg.
Hafei	0686	74
Towner Junior	0686	74
Especial/Special	Nº ZEN	Pg.
Motocicletas	0818	75
Fiat	Nº ZEN	Pg.
1100T	0713	75
1100TD	0120	72
1100TN	0953	76
124	0120	72
124 Special	0120	72
125	0713	75
127 0.9, 1.05, 1.3	0120	72
127	1024	77
128	0120	72
130 Super	0389	73
1300	0713	75
131 1.3	0120	72
131	0407	73
131D 2.0 e 2.5	0291	72
132	0407	73
132D 2.0 e 2.5	0291	72
141	0120	72
1500	0713	75
1800	0713	75
217N	0953	76

Fiat	Nº ZEN	Pg.
2300	0713	75
238	0120	72
238 1.8	0407	73
241T	0120	72
241TN	0291	72
241TN	0310	72
332	0953	76
352	0953	76
40NC	0291	72
450	0310	72
450DT	0310	72
465C	0291	72
466DT	0291	72
480DT	0291	72
500	0291	72
500	0310	72
500	0806	75
500 1.4 Fire	1755	80
500 (Cinquecento) 704, 903	0786	75
500DT	0291	72
500DT	0310	72
505	0291	72
505C	0291	72
505S	0291	72
50F8	0291	72
50NC	0291	72
540	0291	72
540	0310	72
540DT	0291	72
540DT	0310	72
55F8	0291	72
55NC	0291	72
565C	0291	72
566DT	0291	72
570	0291	72
570DT	0291	72
580	0291	72
580DT	0291	72
60F8	0291	72
615N e 615N1	0953	76
616	0953	76
616N3	0310	72
616N3 4	0291	72
616N3,4	0310	72
625N3	0310	72
625N3P	0291	72
Argenta 2.5	0291	72
Argenta 1.6	0389	73
Argenta 2.5	0407	73
Argenta 2.5	0875	76
Argo 1.8 Start/Stop	1939	82
BI20 25 30 C	0291	72
BIM20 25	0291	72
Brava 131	0389	73
Bravo 1.6 Multijet	1899	82
Bravo 2.0 Multijet	1899	82
Campagnola diesel	0291	72

Fiat	Nº ZEN	Pg.
Campagnola	0407	73
Campagnolo Diesel	0953	76
Coupe	0713	75
Croma 1.6	0389	73
Croma 2.5 Turbo	0875	76
DI12 15	0291	72
Doblo 1.6 16V	0976	77
Doblo 1.3 Fire	1755	80
Doblo 1.4 Fire	1755	80
Doblo 1.3	1877	81
Doblo 1.4	1877	81
Doblo 1.6 Multijet	1899	82
Doblo 2.0 Multijet	1899	82
Doblo 1.8 16V	10003	83
Doblo 1.8 8V	10003	83
Doblo FLEX	10003	83
Doblo 1.8 8V/1.8 16V/FLEX	12720	85
DT450	0291	72
Ducato	0631	74
Ducato	1022	77
Ducato	1070	77
Ducato 2.5 TD	1072	77
Ducato	1159	78
Ducato	1642	80
Ducato 2.3 e 2.8 JTD	1650	80
Ducato 115 Multijet	1899	82
Ducato 2.3 - 2.8 JTD Multijet	1840	81
Ducato 2.8 JTD Power 4x4	1840	81
Ducato 3.0	1840	81
Ducato D	1117	78
Duna	0389	73
Duna	1134	78
Europa	0389	73
Familiar	0713	75
Fiorino	0389	73
Fiorino 1.7 Diesel	1134	78
Fiorino 1.3 Fire	1755	80
Fiorino 1.4 Fire Fly	1755	80
Fiorino	1877	81
Fiorino CMBBZ	1877	81
Grand Siena 1.4 Fire	1755	80
Idea 1.4 Fire	1755	80
Idea 1.4	1877	81
Idea 1.6	1877	81
Idea 1.8	1877	81
Idea 1.8 16V	10003	83
Idea 1.8 8V	10003	83
Idea FLEX	10003	83
Idea 1.8 8V/1.8 16V/FLEX	12720	85
Linea 1.6 Multijet	1899	82
Marea ELX 1.9 JTD	0482	73
Marea Weekend ELX 1.9 JTD	0482	73
Marengo D 2.5	0291	72
Marengo	0631	74
Mobi 1.0 Fire	1755	80
Mobi 1.0	1877	81
Multicarga	0713	75

Fiat	Nº ZEN	Pg.
Nuova Argenta	0389	73
Nuova Argenta	0407	73
Palio 1.5	0786	75
Palio 1.7 Turbo Diesel	1134	78
Palio 1.4 Fire	1755	80
Palio 1.0 16V	1877	81
Palio 1.0 8V	1877	81
Palio 1.3 8V	1877	81
Palio 1.3 16V	1877	81
Palio 1.8 16V	10003	83
Palio 1.8 8V	10003	83
Palio FLEX	10003	83
Palio 1.5	12683	85
Palio 1.8 8V/1.8 16V/FLEX	12720	85
Palio EX/ ELX Turbo Diesel	0482	73
Palio Fire	0976	77
Palio SX 1.7 Turbo Diesel	0482	73
Palio Weekend 1.6 16V Fire	0976	77
Palio Weekend 1.4 Fire	1755	80
Palio Weekend 1.0	1877	81
Palio Weekend 1.3	1877	81
Palio Weekend 1.4	1877	81
Palio Weekend 1.6	1877	81
Palio Weekend 1.7 Turbo	1877	81
Palio Weekend 1.8	1877	81
Palio Weekend 1.5	12683	85
Palio Weekend Adventur 1.6 16V Fire	0976	77
Palio Weekend ELX Turbo Diesel	0482	73
Panda 1000	0482	73
Panda 30 - 45	1024	77
Panda 45 4X4	0120	72
Panda 750	0482	73
Panda Fire 750 1.0	0786	75
Pick Up	0389	73
Prêmio	0389	73
Punto 1.4	1877	81
Punto 1.8 16V	10003	83
Punto 1.8 8V	10003	83
Punto FLEX	10003	83
Punto 1.8 8V/1.8 16V/FLEX	12720	85
R450	0291	72
Regata 1.1, 1.3	0120	72
Regata 1.3, 1.5, 1.6	0389	73
Regata TD	0631	74
Regata 1.7 diesel	0857	76
Regata 70	0120	72
Restyling 132	0389	73
Ritmo TD	0631	74
Ritmo Diesel	0857	76
Ritmo 105 CT	0389	73
Ritmo 125 TC	0389	73
Ritmo 60	0120	72
Ritmo 60	1024	77
Ritmo 65	0120	72
Ritmo 75	0120	72
Ritmo 75	0389	73
Ritmo 85	0120	72

Fiat	Nº ZEN	Pg.
Ritmo 85	0389	73
Ritmo Super	0120	72
Ritmo Super 85 1.5	0108	71
Scudo TD	1023	77
Siena 1.6 MPI 16V	0976	77
Siena 1.0	1877	81
Siena 1.3	1877	81
Siena 1.4	1877	81
Siena 1.6	1877	81
Siena 1.8	1877	81
Siena EX / ELX Turbo Diesel	0482	73
Spazio	0389	73
Stilo 1.9 JTD	0482	73
Stilo 1.8 16V	10003	83
Stilo 1.8 8V	10003	83
Stilo FLEX	10003	83
Stilo 1.8 8V/1.8 16V/FLEX	12720	85
Strada 1.7 Turbo Diesel	0482	73
Strada	0786	75
Strada	0976	77
Strada 1.3	1877	81
Strada 1.4	1877	81
Strada 1.5	1877	81
Strada 1.6	1877	81
Strada 1.7 Turbo	1877	81
Strada 1.8	1877	81
Strada 1.8 16V	10003	83
Strada 1.8 8V	10003	83
Strada FLEX	10003	83
Strada 1.8 8V/1.8 16V/FLEX	12720	85
Tempra	0786	75
Tipo 1.4 1400 DGT	0389	73
Tipo TD	0631	74
Tipo 1.1, 1.4, 1.6, 2.0	0786	75
Tipo 1.6 Multijet	1899	82
Toro 1.8 Flex	1877	81
Toro 2.0	1899	82
Toro 2.0 4X4	1899	82
Toro 2.0 4X4 Diesel	1899	82
Toro 2.0 Diesel	1899	82
Toro 1.8 Start/Stop	1939	82
Ulysse 1.8/2.0	1031	77
Uno 0.9, 1.1 e 1.3	0120	72
Uno	0389	73
Uno Turbo 147	0389	73
Uno 1.7 Diesel	1134	78
Uno 1.4 Fire	1755	80
Uno 1.0	1877	81
Uno 1.4	1877	81
Uno 45	0482	73
Uno 45	1024	77
Uno Fire 45	0786	75
Uno Furgoneta 1.0	1877	81
Uno Furgoneta 1.4	1877	81
Weekend	0389	73
X1/9	0120	72

Fiat Allis	Nº ZEN	Pg.
Escavadeira Hidráulica FE105	0105	71
Escavadeira Hidráulica FE105	1364	79
FG70	1364	79
FG85	1364	79
Motoniveladora FG70	0105	71
Motoniveladora FG85	0105	71

Fiat Iveco	Nº ZEN	Pg.
129.14	0398	73
130.14	0398	73
30.8	0301	72
35.8	0301	72
40.8	0301	72
Daily	0310	72
Daily Turbo 09.09 Diesel	0875	76
Daily Turbo 35.10 Diesel	0875	76
Daily Turbo 49.10 Diesel	0875	76
Daily 28.8	0301	72
Daily 28.8	0407	73
Daily 30.8	0301	72
Daily 30.8	0407	73
Daily 32.8	0407	73
Daily 35.8	0301	72
Daily 35.8	0407	73
Daily 40.8	0301	72
Daily 40.8	0407	73
Daily II	1158	78
Daily III 2.4 e 2.8	1650	80
Daily N100	0301	72
Daily N110	0301	72
Daily N40	0301	72
Daily N40.35	0301	72
Daily N50	0301	72
Daily N55	0301	72
Daily N60	0301	72
Daily N65	0301	72
Ducato	0407	73
Ducato 14	0875	76
Ducato 14 4X4	0875	76
Ducato 18	0875	76
Ducato 18 Maxi	0875	76
Ducato 10 2.5D	0291	72
Ducato 13 2.5D	0291	72
Ducato 719 2.8	1025	77
Ducato 720 2.8	1025	77
Ducato 721 2.8	1025	77
Ducato 722 2.8	1025	77
Ducato 723 2.8	1025	77
Ducato 724 2.8	1025	77
Ducato 725 2.8	1025	77
Ducato 726 2.8	1025	77
Ducato 729 2.8	1025	77
Ducato Argentino	0838	75
Furgão Daily	0291	72
Microônibus City Plus	1650	80
Ford	Nº ZEN	Pg.
12 M	0015	71

Ford	Nº ZEN	Pg.
15 M	0015	71
17 M	0015	71
3,6 Kw	1676	80
4600	0024	71
4600	1359	79
5600	0024	71
5600	1359	79
6600 4 cil	0024	71
6600 4 cil	1359	79
A, D Series	0398	73
A0406	0313	72
A0506	0313	72
Belina II com motor CHT 1.6	0108	71
Caminhão F100 com motor 4 cil	0104	71
Caminhão F4000	1845	81
Caminhão F75 com motor 4 cil	0104	71
Caminhões	12686	85
Caminhões MWM	13585	85
Capri 2.8	0068	71
Capri 1.3 e 1.6	0280	84
Capri 2.3	0482	73
Capri II 2.3, 2.8	0108	71
Cargo com motor Cummins	0497	73
Cargo 1416 MWM	13585	85
Cargo 1416, 1722, 1716	12682	85
Cargo 1618	1372	79
Cargo 1716 MWM	13585	85
Cargo 1722 MWM	13585	85
Cargo C 1215	0105	71
Cargo C 1215	1364	79
Cargo C 1216	0105	71
Cargo C 1216	1364	79
Cargo C 1217	0105	71
Cargo C 1217	1364	79
Cargo C 1415	0105	71
Cargo C 1415	1364	79
Cargo C 1416	0105	71
Cargo C 1416	1364	79
Cargo C 1417	0105	71
Cargo C 1417	1364	79
Cargo C 1421	0105	71
Cargo C 1421	1364	79
Cargo C 1617	0105	71
Cargo C 1617	1364	79
Cargo C 1621	0105	71
Cargo C 1621	1364	79
Cargo C 814	0105	71
Cargo C 814	1364	79
Cargo C 815	0105	71
Cargo C 815	1364	79
Consul 2.3	0108	71
Corcel II 1.6	0108	71
Del Rey 1.6	0108	71
E150 V8 5.4L 330cid	1942	82
E250 V8 5.4L 330cid	1942	82
E350 Super Duty V10 6.8L 415cid	1942	82
E350 Super Duty V8 5.4L 330cid	1942	82

Ford	Nº ZEN	Pg.
E450 Super Duty V10 6.8L 415cid	1942	82
E450 Super Duty V8 5.4L 330cid	1942	82
Ecosport 2.0	1585	79
Escape 2.3L (140) L4	1585	79
Escape 4 cil	1585	79
Escort 1.3, 1.6 CHT	0108	71
Escort 1.6i, 1.8i, 2.0i	12685	85
Escort Ghia	0323	73
Escort Hobby 1.6	0108	71
Especial/Special Com Motores Cummins e Cummins 4BT	12684	85
Expedition 4.6, 5.4 V8	0959	76
Expedition V8 5.4L 330cid	1942	82
F100	0001	71
F100	0025	71
F100 Gasolina	0056	71
F100	0861	76
F100 MWM SÉRIE X - 10 E 229	1596	79
F100	12682	85
F100	12684	85
F100 MWM	13585	85
F1000	0025	71
F1000 Georgia	0082	71
F1000 Maxion HSD	0657	74
F1000 Maxion TN1 HSD Diesel	0861	76
F1000 Maxion HSD	0916	76
F1000 Diesel	1217	78
F1000 MWM	1372	79
F1000 MWM SÉRIE X - 10 E 229	1596	79
F1000 Maxion HS 4 cil 2.5	1635	80
F1000	12682	85
F1000 MWM	13585	85
F11000 Perkins 6 cil	0024	71
F11000 Perkins 6 cil	1359	79
F12000 Perkins 6 cil Diesel	0024	71
F12000	1194	78
F12000 Perkins 6 cil	1359	79
F13000 Perkins 6 cil Diesel	0024	71
F13000 Perkins 6 cil	1359	79
F14000	1194	78
F14000 MWM SÉRIE X - 10 E 229	1596	79
F14000 Com Motor MWM	12682	85
F14000 MWM	13585	85
F150	0025	71
F150	0861	76
F150 MWM SÉRIE X - 10 E 229	1596	79
F150 V8 5.0L 4951cc 302cid	1942	82
F150 V8 6.2L 6210cc 379cid	1942	82
F2000 Ford 4 cil	0024	71
F2000 Ford 4 cil	1359	79
F250 MWM	0991	77
F250 MWM	1022	77
F250 MWM SÉRIE X - 10 E 229	1596	79
F250	1845	81
F250 Super Duty V8 6.2L 6210cc 379cid	1942	82
F350	0001	71
F350 Gasolina	0056	71

Ford	Nº ZEN	Pg.
F350	1022	77
F350 Cummins	1026	77
F350	1845	81
F350 Super Duty V8 6.2L 6210cc 379cid	1942	82
F350 Heavy Duty	1082	78
F3500 MWM SÉRIE X - 10 E 229	1596	79
F4000 Ford 4 cil	0024	71
F4000	0105	71
F4000	0497	73
F4000 Ford 4 cil	1359	79
F4000	1364	79
F4000 MWM	1372	79
F4000 MWM Série X - 10 E 229	1596	79
F450 Super Duty V10 6.8L 415cid	1942	82
F450 Heavy Duty	1082	78
F53 V10 6.8L 415cid	1942	82
F550 Super Duty V10 6.8L 415cid	1942	82
F59 V10 6.8L 415cid	1942	82
F600	0001	71
F600 Gasolina	0056	71
F700	1194	78
F7000 MWM SÉRIE X - 10 E 229	1596	79
F75 Georgia	0082	71
Falcon	0161	72
Fiesta 1.0, 1.1	0280	84
Fiesta 1.3, 1.4 e 1.6	1756	80
Focus 2.3L (140) L4	1585	79
Focus	1756	80
Ford F series diesel	1676	80
Ford Truck Cummins	1194	78
FT 100	0108	71
FT 125	0108	71
FT 130	0108	71
FT 150	0108	71
FT 175	0108	71
FT 190	0108	71
FT 60	0108	71
FT 75	0108	71
FT 900	0108	71
FT100	0313	72
FT100	0528	74
FT120	0313	72
FT120	0528	74
FT130	0313	72
FT130	0528	74
FT160	0313	72
FT160	0528	74
FT190	0313	72
FT190	0528	74
FT80	0528	74
Fusion L4 2.3L 140cid	1764	80
Fusion L4 2.5L 2488cc 152cid	1764	80
Galaxie	0001	71
Galaxie	0056	71
Galaxy	0068	71
Galaxy	0108	71
Galaxy 2.0	0937	76

Ford	Nº ZEN	Pg.
Granada 2.8	0068	71
Granada 1.7, 2.0, 2.3, 2.6, 2.8	0108	71
Granada 2.0, 2.3, 2.4, 2.8, 2.9	0482	73
Granada	0961	76
Guarujá	0323	73
Heavy Duty F250 / F350 Series	1081	78
Landau	0001	71
Landau e LTD	0056	71
Lincoln Navigator 5.4 V8	0959	76
LT Trucks E-Series Vans 7.3 L - Diesel	1081	78
LT Trucks Excursion 7.3 L - Diesel	1081	78
Maverick 6 Cil	0015	71
Maverick Georgia 4 cil	0082	71
Maverick 4 cil	0115	72
Maverick 2.7 D	1070	77
Maverick 2400	0712	75
Mondeo 2.4	1539	79
Pampa 1.6	0068	71
Pampa 1.6	0108	71
Pick Up	0056	71
Pick Up	0115	72
Pick Up (USA) 4.9 / 5.8	1134	78
Pick Up 7.3 D Turbo	0887	76
Pick Up F100 MWM	0772	75
Pick Up F100	12686	85
Pick Up F1000 MWM	0772	75
Pick Up F150 MWM	0772	75
Pick Up F4000 MWM	0772	75
Pick Up Lobo V6	1614	79
Pick Up série F 4.2 (V6), 4.6 e 5.4 (V8), 6.8 (V10)	0959	76
Power Stroke	12675	85
Ranger 2.5 D	0818	75
Ranger	0861	76
Ranger 2.5 TD	1024	77
Ranger Diesel	1217	78
Ranger 2.3L (140) L4	1585	79
Ranger 1.6	1613	79
Ranger Maxion HS 4 cil 2.5	1635	80
Ranger 2.5 Duratec	1764	80
Ranger 2.2 Duratorq	1807	81
Ranger 3.2 Duratorq	1807	81
Ranger	2039	83
Ranger	12682	85
Ranger MWM	13585	85
Ranger International 3.0 Diesel	0916	76
Ranger International Maxion HS 4 cil. 2.5 e 2.8 Diesel	0916	76
Retroescavadeira	0064	71
Royale com transmissão automática e EFI	0108	71
Scala 1.6 CHT	0108	71
Scorpio 2.4, 2.8, 2.8 INJ, 2.9, 2.9 4X4	0482	73
Sierra 1.6, 2.0, 2.3	0108	71
Sierra 2.0, 2.3, 2.3 INJ, 2.8, 2.8 4X4, 2.9	0482	73
Sierra	0961	76
Sporpio	0961	76
Taurus 2.0, 2.3	0108	71
Tiger Tug (USA) - Cummins	1134	78
Tourneo 2.2 FT300, TDCi	2014	83

Ford	Nº ZEN	Pg.
Transit 1.0 1250cc	0015	71
Transit	0064	71
Transit Diesel	0398	73
Transit	0528	74
Transit	0861	76
Transit	0907	76
Transit 2.4	1539	79
Transit	1642	80
Transit	1874	81
Transit 2.2 FT250, TDCi	2014	83
Transit 2.2 FT260, TDCi	2014	83
Transit 2.2 FT270, TDCi	2014	83
Transit 2.2 FT280, TDCi	2014	83
Transit 2.2 FT290, TDCi	2014	83
Transit 2.2 FT300, TDCi	2014	83
Transit 2.2 FT310, TDCi	2014	83
Transit 2.2 FT330, TDCi	2014	83
Transit 2.2 FT350, TDCi	2014	83
Transit 2.2 FT370, TDCi	2014	83
Transit 2.2 FT410, TDCi	2014	83
Transit 2.2 FT430, TDCi	2014	83
Transit 2.2 FT440, TDCi	2014	83
Transit 2.2 FT460, TDCi	2014	83
Transit 2.2 FT470, TDCi	2014	83
Transit Euroline 2.2, TDCi	2014	83
Transit Tourneo 2.2, TDCi	2014	83
Transit 100	0223	72
Transit 1000	0015	71
Transit 1250	0223	72
Transit 1500	0223	72
Transit 800	0223	72
Transit D	0541	74
Tratores	1957	82
Van	0280	84
Van 7.3 D Turbo	0887	76
Verona 1.8i, 2.0i	12685	85
Verona GLX	0323	73
Verona LX 1.6	0108	71
Versailles 1.8, 2.0 e 2.0i	0108	71
XR3	0323	73

General Motors/Chevrolet	Nº ZEN	Pg.
400	0020	71
400	1184	78
4006MT	0118	72
8000MT	0118	72
Acadia V6 3.6L 217cid	0806	75
Acadia V6 3.6L 3564cc 217cid	0806	75
Astra 1.8 e 2.0	10003	83
Astra 1.8i, 2.0i, 2.0 MPFI, 2.0i 16V	12683	85
Astra	12720	85
Astra 1.8 e 2.0	12720	85
Astra Sedan 1.8i, 2.0i, 2.0 MPFI, 2.0i 16V	12683	85
Avalanche 5.3L(325) V8	10003	83
Avalanche 5.3L(325) V8	12720	85
Blazer 2.5 Diesel	0861	76
Blazer	0916	76

General Motors/Chevrolet	Nº ZEN	Pg.
Blazer Maxion HS 4 cil 2.5	1635	80
Blazer 2.2 e 2.4	10003	83
Blazer 2.2 EFI	12683	85
Blazer	12720	85
Blazer 2.2 e 2.4	12720	85
Blazer Maxion	13585	85
Blazer DLX	12682	85
Buick	0020	71
C10	0045	71
C10 V8 5.0L 305cid	1189	78
C10 Suburban V8 5.0L 305cid	1189	78
C20	0020	71
C20 V8 5.0L 305cid	1189	78
C20 Suburban V8 5.0L 305cid	1189	78
C2500 V6 4.3L 262cid	1189	78
C75	0045	71
Camaro	0522	74
Camaro V6 2.8L 173cid	1189	78
Camaro V6 3.1L 189cid	1189	78
Caminhão Perkins 6 cil	1359	79
Capice Modelo Antigo	0522	74
Captiva 3.6	0806	75
Caravan	0045	71
Celta	10003	83
Celta	12720	85
Chevette 1.4 e 1.6	0108	71
Chevette Junior álcool e gasolina	0108	71
Chevy 500	0108	71
Chevy Lux	0141	72
Chevy Lux	0351	73
Cobalt	10003	83
Colorado L4 2.5L 2457cc 153cid	1935	82
Colorado L4 2.8L 171cid	1946	82
Corsa 1.0, 1.4	0482	73
Corsa 1.8	10003	83
Corsa 1.8	12720	85
D20	0024	71
D20 Maxion	0826	75
D20	0978	77
D20 MWM	13585	85
D40	0118	72
D6000 com motor Maxion	0118	72
D6000	0978	77
Envoy 5.3L/5.3L XL (325) V8	10003	83
Envoy 5.3L/5.3L XL (325) V8	12720	85
Equinox V6 3.0L 182cid	0806	75
Equinox V6 3.6L 217cid	0806	75
Especial/Special com motor Perkins 6 cil	0024	71
Express Vans 4.8L(291) V8	10003	83
Express Vans 5.3L(325) V8	10003	83
Express Vans 4.8L(291) V8	12720	85
Express Vans 5.3L(325) V8	12720	85
GMC 6100 Maxion 4 Cil.	0978	77
GMC Sonoma 2.2 lts	0612	74
Grand Blazer 4.1	0915	76
Impala Modelo Antigo	0522	74
Impala 3.4L(207) V6	10003	83

General Motors/Chevrolet	Nº ZEN	Pg.
Impala 3.4L(207) V6	12720	85
Ipanema 1.8	0108	71
Ipanema 2.0 MPFI	12683	85
K10 V8 5.0L 305cid	1189	78
K10 Suburban V8 5.0L 305cid	1189	78
K1500 V6 4.3L 262cid	1189	78
K20 V8 5.0L 305cid	1189	78
K20 Suburban V8 5.0L 305cid	1189	78
K2500 V6 4.3L 262cid	1189	78
K5 Blazer V8 5.0L 305cid	1189	78
Kadett 1.8	0108	71
Kadett 2.0 MPFI	12683	85
Lumina (Sedan) 3.1L(189) V6	10003	83
Lumina(Sedan) 3.1L(189) V6	12720	85
Malibu	0522	74
Malibu V6 3.6L 217cid	0806	75
Malibu V6 3.6L 3564cc 217cid	0806	75
Malibu L4 2.0L 1998cc 122cid	1935	82
Malibu 3.1L(189) V6	10003	83
Malibu 3.1L(189) V6	12720	85
Marajó 1.4 e 1.6	0108	71
Meriva 1.8	10003	83
Meriva 1.8	12720	85
Montana	10003	83
Montana	12720	85
Monte Carlo	0522	74
Monte Carlo 3.4L(207) V6	10003	83
Monte Carlo 3.4L(207) V6	12720	85
Monza	0108	71
Motor 1.8 8V SOCH e 1.8 16V DOCH (Flex)	12720	85
Motor para Empilhadeira Hyster XM50	0612	74
N107	1873	81
N108	1873	81
N109	1873	81
N200	1873	81
N300	1873	81
N300P	1873	81
Nova	0522	74
Omega 3.0, 4.1	0482	73
Omega 2.0i, 2.2i, 3.0i	12683	85
Omega Suprema 2.2, 3.0	0482	73
Omega Suprema 2.0i, 2.2i, 3.0i	12683	85
Opala 4 e 6 cil	0020	71
Opala	0045	71
Pick Up Perkins 4 cil	0024	71
Pick Up Modelo Antigo	0522	74
Pick Up Perkins 4 cil Diesel	1359	79
Pick Up 400	0161	72
Pick Up C10	0045	71
Pick Up C10	0161	72
Pick Up C15	0045	71
Pick Up D20 com motor Maxion	0118	72
Pick Up D20	12682	85
Pick Up S10 Importada 2.2 modelo LS /com motor 4cil	0612	74
Pick Up S10 com Motor Maxion HS	12682	85
Pick Up Silverado Sierra Importado DIE	1194	78
Pick Up Sonoma 2.2 lts. Importada	0612	74

General Motors/Chevrolet	Nº ZEN	Pg.
Prisma	10003	83
Prisma	12720	85
S10 Importada	0351	73
S10 2.5 Diesel Maxion	0657	74
S10 Diesel	0861	76
S10 Maxion HSD	0916	76
S10 MWM Diesel	1063	77
S10 Maxion HS 4 cil 2.5	1635	80
S10 2.8 Diesel	1776	81
S10 Cab. Dupla (nova) 2L03-43 (LCV, N8D)	1935	82
S10 Cab. Simples (nova) 2L03-43 (LCV, N8D)	1935	82
S10 LS DD4	1946	82
S10 2.2 e 2.4	10003	83
S10	12720	85
S10 2.2 e 2.4	12720	85
S10 Maxion	13585	85
S10 Blazer V6 2.8L 173cid	1189	78
S10 Blazer V6 4.3L 262cid	1189	78
S10 Pick Up V6 2.8L 173cid	1189	78
S10, EFI, MPFI	12683	85
Savana Vans 4.8L (291) V8	10003	83
Savana Vans 5.3L/5.3L XL (325) V8	10003	83
Savana Vans 4.8L (291) V8	12720	85
Savana Vans 5.3L/5.3L XL (325) V8	12720	85
Sierra Pick Up 4.8L (291) V8	10003	83
Sierra Pick Up 5.3L/5.3L XL (325) V8	10003	83
Sierra Pick Up 4.8L (291) V8	12720	85
Sierra Pick Up 5.3L/5.3L XL (325) V8	12720	85
Silverado gasolina	0020	71
Silverado 4.1	0482	73
Silverado 6 cil a gasolina 12V	0915	76
Silverado Maxion S4 Diesel	0978	77
Silverado MWM Diesel	0991	77
Silverado MWM	1022	77
Silverado 1500 V6 4.3L	1761	80
Silverado 1500 V8 5.3L	1761	80
Silverado 1500 V8 6.2L	1761	80
Silverado MWM	13585	85
Silverado com Motor MWM	12682	85
Silverado Pick Up 4.8L(291) V8	10003	83
Silverado Pick Up 5.3L(325) V8	10003	83
Silverado Pick Up 4.8L(291) V8	12720	85
Silverado Pick Up 5.3L(325) V8	12720	85
Spin	10003	83
SSR Sport Truck 5.3L (325) V8	10003	83
SSR Sport Truck 5.3L (325) V8	12720	85
Suburban V8 5.3L	1761	80
Suburban 5.3L(325) V8	10003	83
Suburban 5.3L(325) V8	12720	85
Tahoe V8 5.3L	1761	80
Tahoe 4.8L(291) V8	10003	83
Tahoe 5.3L(325) V8	10003	83
Tahoe 4.8L(291) V8	12720	85
Terrain V6 3.0L 182cid	0806	75
TrailBlazer 2.8 Diesel	1776	81
Trailblazer 5.3L(325) V8	10003	83
Trailblazer 5.3L(325) V8	12720	85

General Motors/Chevrolet	Nº ZEN	Pg.
Traverse V6 3.6L 217cid	0806	75
Truck 350	0522	74
Truck Big 10 Modelo Antigo	0522	74
Truck C60/C70	0522	74
Vectra 2.2	10003	83
Vectra 2.2	12720	85
Vectra II (SOHC) 1.8/2.0/2.2 - 8V	12720	85
Venture 3.4L(207) V6	10003	83
Venture 3.4L(207) V6	12720	85
Yukon 4.8L (291) V8	10003	83
Yukon 5.3L/5.3L XL (325) V8	10003	83
Yukon 4.8L (291) V8	12720	85
Yukon 5.3L/5.3L XL (325) V8	12720	85
Zafira 2.0	10003	83
Zafira 2.0 MPFI	12683	85
Zafira 2.0	12720	85

GMC	Nº ZEN	Pg.
C1500 V6 4.3L 262cid	1189	78
C1500 V8 5.0L 305cid	1189	78
C1500 Suburban V8 5.0L 305cid	1189	78
C2500 V6 4.3L 262cid	1189	78
C2500 V8 5.0L 305cid	1189	78
C2500 Suburban V8 5.0L 305cid	1189	78
Canyon L4 2.5L 2457cc 153cid	1935	82
Canyon L4 2.8L 171cid	1946	82
Jimmy V8 5.0L 305cid	1189	78
K1500 V6 4.3L 262cid	1189	78
K1500 V8 5.0L 305cid	1189	78
K1500 Suburban V8 5.0L 305cid	1189	78
K2500 V6 4.3L 262cid	1189	78
S15 Jimmy V6 2.8L 173cid	1189	78
S15 Jimmy V6 4.3L 262cid	1189	78
S15 Pick Up 6 Cil 2.8L 173cid	1189	78
S15 Pick Up 6 Cil 4.3L 262cid	1189	78
Sierra 1500 V6 4.3L	1761	80
Sierra 1500 V8 5.3L	1761	80
Sierra 1500 V8 6.2L	1761	80
Sonoma V6 2.8L 173cid	1189	78
Yukon V8 5.3L	1761	80
Yukon V8 6.2L	1761	80
Yukon XL V8 5.3L	1761	80
Yukon XL V8 6.2L	1761	80

Gradall	Nº ZEN	Pg.
Motor MWM	12684	85

Gurgel	Nº ZEN	Pg.
BR 800	0323	73
Carajas com motor VW AP 1.8	0108	71
Tocantins L	0323	73
TR 1.6	0323	73

Honda	Nº ZEN	Pg.
Accord	0818	75
Accord 1600, 1599cc	0349	73
Accord L4 2.4L 2354cc	1849	81
Accord L4 2.4L 2354cc 144cid	1849	81

Honda	Nº ZEN	Pg.
Ballade 1500	0353	73
Civic	0818	75
Civic L4 2.0L 1998cc 122cid	1849	81
Civic 1300 16V	0353	73
Civic 1300, 1343cc D13B1	0353	73
Civic 1200	0349	73
Civic 1250	0349	73
Civic 1300 12V, 1335cc EW2/3	0353	73
Civic 1400	0353	73
Civic 1500 D15B2	0353	73
Civic 1500 D15Z	0353	73
Civic L4 1.3L 1342cc 82cid	0353	73
Civic L4 1.5L 1487cc	0353	73
Civic L4 1.5L 1491cc 91cid	0353	73
Civic L4 1.5L 1493cc	0353	73
Civic L4 1.6L 1590cc 97cid	0353	73
CRX L4 1.5L 1493cc	0353	73
Element L4 2.4L 2354cc	1849	81
Odyssey 2.3L NonTurbo Gas (F23Z4)	1849	81
Odyssey 2.4L NonTurbo Gas (K24A6)	1849	81
Wagovan L4 1.5L 1487cc	0353	73
Hyster	Nº ZEN	Pg.
Empilhadeira Hyster XM50	0612	74
Guindaste KF	0056	71
Hyundai	Nº ZEN	Pg.
H-1 2.5 TD - 2.5 TD 4WD	1607	79
H100	1607	79
H100 2.5 Diesel	1794	81
HR	1024	77
HR	1607	79
HR 2.5 Diesel	1794	81
Porter 2.5 TD	1607	79
Porter	1794	81
Starex	1794	81
Indenor	Nº ZEN	Pg.
Motores Indenor 6305	13585	85
Motores Indenor 6354	13585	85
Infiniti	Nº ZEN	Pg.
QX4 V6 3.3L 3275cc	0712	75
Innocenti	Nº ZEN	Pg.
MINI 3 Cil	0765	75
International	Nº ZEN	Pg.
Matra Maxion HS 4 cil 2.5	1635	80
Motor MWM	12684	85
Retroescavadeira Maxion HS 4 cil 2.5	1635	80
Isuzu	Nº ZEN	Pg.
Amigo L4 2.3L 2254CC	1957	82
Amigo L4 2.6L 2559CC	1957	82
Ascender 5.3L (325) V8	10003	83
Ascender 5.3L (325) V8	12720	85
Datsun	0351	73
I Mark L4 1.8L 1817cc gasolina Eng	0349	73

Isuzu	Nº ZEN	Pg.
Impulse L4 2.0L 1994CC	1957	82
Impulse L4 2.3L 2254CC	1957	82
KB20	0141	72
Motores Modelo 4ZE1	1957	82
Pick Up L4 1.8L 1817cc	0349	73
Pickup L4 2.3L 2254CC	1957	82
Pickup L4 2.6L 2559CC	1957	82
Rodeo V6 3.1L 3137cc	1189	78
Trooper 3.2 LS, LTD, RS	1863	81
Trooper 3.5	1863	81
Trooper L4 2.3L 2254CC	1957	82
Trooper L4 2.6L 2559CC	1957	82
Vehicross 3.5	1863	81
Iveco	Nº ZEN	Pg.
CityClass 45 S 17 R78-M 12V Z9	1815	81
CityClass 55 S 17 R78-M 12V Z9	1815	81
CityClass 70 C 17 R78-M 12V Z9	1815	81
Daily 2.5 e 2.8	2002	82
Daily 35 S 14 R78-M 12V Z9	1815	81
Daily 45 S 17 R78-M 12V Z9	1815	81
Daily 55 C 17 R78-M 12V Z9	1815	81
Daily 70 C 17 R78-M 12V Z9	1815	81
Daily II 29 - 35 - 40 - 45 2.3, 2.8 e 3.0 D.	1840	81
Daily II 50 - 60 - 65 2.3, 2.8 e 3.0 D.	1840	81
Daily III 29 - 35 - 40 - 45 - 2.3 e 3.0 D.	1840	81
Daily III 50 - 60 - 65 2.3 e 3.0 D.	1840	81
Scudato 70 C 17 R78-M 12V Z9	1815	81
Jacobsen	Nº ZEN	Pg.
T422D Kubota D950 Diesel	0353	73
Jaguar	Nº ZEN	Pg.
HJ 12 6.0	0818	75
S-Type 3.0L	1585	79
XJS 5.3 V12	0818	75
XJS 6.0	0818	75
Jeep	Nº ZEN	Pg.
Cherokee	0573	74
Cherokee V6 2.8L 173cid	1189	78
Cherokee V6 3.2L 3239cc 198cid	1877	81
Comanche V6 2.8L 173cid	1189	78
Grand Cherokee	0573	74
Renegade	1877	81
Renegade 1.8 Start/Stop	1939	82
Wagoneer V6 2.8L 173cid	1189	78
John Deere	Nº ZEN	Pg.
1020	0497	73
1030	0497	73
1040	0497	73
1065	0497	73
1075	0497	73
1085	0497	73
1120	0497	73
1130	0497	73
1140	0497	73
1530	0497	73

John Deere	Nº ZEN	Pg.
1630	0497	73
1640	0497	73
1830	0497	73
1840	0497	73
2040	0497	73
2140	0497	73
2150	0497	73
2240	0497	73
2350	0497	73
2550	0497	73
2750	0497	73
2940	0497	73
2950	0497	73
820	0497	73
830	0497	73
840	0497	73
920	0497	73
968	0497	73
969	0497	73
970	0497	73
975	0497	73
Colheitadeira 6610 6076 7.6L Diesel	1952	82
Colheitadeira 6810 Cummins NTA-855 14.0L Turbo Diesel	1952	82
Colheitadeira 6910 6068HT 6.8L Turbo Diesel	1952	82
Colheitadeira 6910 Cummins NTA-855 14.0L Turbo Diesel	1952	82
JD300	0497	73
JD310	0497	73
JD350	0497	73
John Deere	1194	78
MD330	0497	73
MD630	0118	72
MND730	0118	72
Trator 6505 6068D 6.8L Diesel	1952	82
Trator 6510 4045T 4.5L Turbo Diesel	1952	82
Trator 6510L 4045T 4.5L Turbo Diesel	1952	82
Trator 6510S 4045T 4.5L Turbo Diesel	1952	82
Trator 6520 4045T 4.5L Turbo Diesel	1952	82
Trator 6520 Premium 6068 6.8L Diesel	1952	82
Trator 6520L 4045T 4.5L Turbo Diesel	1952	82
Trator 6520L 6068HT 6.8L Turbo Diesel	1952	82
Trator 6520SE 4045T 4.5L Turbo Diesel	1952	82
Trator 6520SE 6068HT 6.8L Turbo Diesel	1952	82
Trator 6610 6076 7.6L Diesel	1952	82
Trator 6610SE 6068T 6.8L Turbo Diesel	1952	82
Trator 6620 6068T 6.8L Turbo Diesel	1952	82
Trator 6715 6068T 6.8L Turbo Diesel	1952	82
Trator 6820 6068H 6.8L Turbo Diesel	1952	82
Trator 6910 6068HT 6.8L Turbo Diesel	1952	82
Trator 6910 Cummins NTA-855 14.0L Turbo Diesel	1952	82
Trator 6910S 6068T 6.8L Turbo Diesel	1952	82
Trator 6920S 6068 6.8L Diesel	1952	82
Trator 7220 6068H 6.8L Turbo Diesel	1952	82
Trator 7320 6068H 6.8L Turbo Diesel	1952	82
Trator 7420 6.8LL	1952	82
Trator 7520 6531T 8.7L Turbo Diesel	1952	82
Trator 8870 6068T 6.8L Turbo Diesel	1952	82
Trator Série 7000 com motor MMB	0105	71

John Deere	Nº ZEN	Pg.
Trator Série 7200 turbo com motor MMB	0105	71
Trator Série 7700 com motor MMB	0105	71
Trator Série 7700 turbo com motor MMB	0105	71
Tratores	12682	85
Tratores	13585	85
JPX	Nº ZEN	Pg.
Jeep	0806	75
Jeep	0935	76
Jeep	1023	77
Jeep XUD9A	0787	75
Jungheinrich	Nº ZEN	Pg.
DFG 30	9791	84
Kawasaki	Nº ZEN	Pg.
33	0223	72
34	0223	72
D10006	0392	73
D130006	0392	73
D4006	0392	73
D5006	0392	73
D6006	0392	73
D6206	0392	73
D6806	0392	73
D7006	0392	73
D7206	0392	73
D8006	0392	73
DX100	0392	73
DX85	0392	73
DX90	0392	73
F1300DT	0118	72
F1400DT	0118	72
F1500DT	0118	72
F1600DT	0118	72
F1800DT	0118	72
F1902DT	0118	72
F2105D	0118	72
Intrac	0392	73
KHD	Nº ZEN	Pg.
D25	0223	72
D2505	0223	72
D30	0223	72
D30 S	0223	72
D3005	0223	72
F2L712	0223	72
F2L812	0223	72
Kia	Nº ZEN	Pg.
Besta 1000cc	0786	75
Besta 2.5 - 2.7	1601	79
Besta 2.7	1667	80
Bongo	1607	79
Bongo	1667	80
Bongo	1794	81
K2500 2.5D	1607	79
Pregio 2.5 TCID	1607	79
Sorento	1794	81

Komatsu	Nº ZEN	Pg.
364	1364	79
P160	0118	72
P170	0118	72
P170T	0118	72
P190	0118	72
P200	0118	72
P260	0118	72
P270	0118	72
Retroescavadeira PC150 mod. 5, (Hidráulica)	0118	72
Retroescavadeira PC150 modelo 3 com motor Cummins 6BT 5.9	0497	73
Trator de Esteiras D30E MBB OM 352, 352A	0105	71
Trator de Esteiras D50A MBB OM 352, 352A	0105	71
Trator de Esteiras D50P MBB OM 352, 352A	0105	71

Kubota	Nº ZEN	Pg.
Hauler KC5 ZH600B Dsl. Engine	0353	73
Mower Front F2100E D950 FM 21HP Dsl	0353	73
Mower Front F2000 D950 FM 20HP Dsl	0353	73
Mower Front F2100 D950 FM 21HP Dsl	0353	73
Tractor Compact B1550D D850 5B 17HP Dsl	0353	73
Tractor Compact B1550DT D850 5B 17HP Dsl	0353	73
Tractor Compact B1550DTEX D850 5B 17HP Dsl	0353	73
Tractor Compact B1550E D850 5B 17HP Dsl	0353	73
Tractor Compact B1550HSD D850 5B 17HP Dsl	0353	73
Tractor Compact B1550HSDT D850 5B 17HP Dsl	0353	73
Tractor Compact B1550HSE D850 5B 17HP Dsl	0353	73
Tractor Compact B1750DT D950 5B 20HP Dsl	0353	73
Tractor Compact B1750E D950 5B 20HP Dsl	0353	73
Tractor Compact B1750HSD D950 5B 20HP Dsl	0353	73
Tractor Compact B1750HSDT Kubota D950 5B 20HP Dsl	0353	73
Tractor Compact B1750HSE D950 5B 20HP Dsl	0353	73
Tractor Compact B20 D950AT 20HP Dsl	0353	73
Tractor Compact B20TL D950AT 20HP Dsl	0353	73
Tractor Compact B6000DT ZL600 14.5HP Dsl	0353	73
Tractor Compact B6000DTC ZL600 14.5HP Dsl	0353	73
Tractor Compact B6000E ZL600 14.5HP Dsl	0353	73
Tractor Compact B6100D D650 B 14HP Dsl	0353	73
Tractor Compact B6100DT D650 B 14HP Dsl	0353	73
Tractor Compact B6100E D650 B 14HP Dsl	0353	73
Tractor Compact B6100HSD D650 B 14HP Dsl	0353	73
Tractor Compact B6100HSE D650 B 14HP Dsl	0353	73
Tractor Compact B6100HST D650 B 14HP Dsl	0353	73
Tractor Compact B6100HSTE D650 B 14HP Dsl	0353	73
Tractor Compact B6100T D650 B 14HP Dsl	0353	73
Tractor Garden 2L600 2L600	0353	73
Tractor Garden G6200H D640 16HP Dsl	0353	73
Trator L2250	1957	82
Trator L275	1957	82
Trator L2550	1957	82
Trator L285	1957	82
Trator L295	1957	82
Trator L3100	1957	82
Trator L3450	1957	82
Trator L3650	1957	82

Lamborghini	Nº ZEN	Pg.
904DT	0392	73

Lamborghini	Nº ZEN	Pg.
C603	0378	73
C603	0392	73
DT704	0378	73
DT704	0392	73
L603	0378	73
L603	0392	73
R1056DT	0392	73
R704	0378	73
R704	0392	73
R804	0392	73

Lancer	Nº ZEN	Pg.
300 Series	0398	73
PD III A	0398	73

Lancia	Nº ZEN	Pg.
Beta 1.3, 1.6	0389	73
Dedra TD	0631	74
Dedra I.E 1.6	0786	75
Delta 1.3	0120	72
Delta 1.5	0389	73
Delta TD	0631	74
Delta 1.6 Multijet	1899	82
Delta 1.9 Multijet	1899	82
Delta 2.0 Multijet	1899	82
Delta 1.5	0108	71
Especial/Special	1117	78
Flavia	0119	72
Fulvia	0119	72
Gamma 2.0, 2.5	0108	71
Prisma 1.5	0108	71
Prisma 1.3	0120	72
Prisma 1.5	0389	73
Prisma TD	0631	74
Thema Turbo Diesel	0875	76
Thema 8.32	0482	73
Trevi 1.6	0389	73
Z (Zeta) 2.0 16V, 2.0ie, Turbo	1031	77

Land Rover	Nº ZEN	Pg.
Defender 2.5D - TD	0875	76
Defender Gemini III 4 cil 2.5	1635	80
Defender 2.4 TD4	1642	80
Defender	1874	81
Discovery OMO14A	0657	74
Discovery 2.5 TDI	0875	76
Discovery Gemini III 4 cil 2.5	1635	80
Freelander 2.0 TD4	0818	75
Land Rover Defender 2.5 Diesel Gemini TCI D.I. 23L	0861	76
Land Rover Defender 2.5 Turbo	0861	76
Land Rover Diesel Maxion H54TCC	0861	76
Land Rover Discovery 2.5 TDi 12L, 21L	0861	76
Land Rover Discovery 2.5 Tdi 16L	0861	76
Range Rover 2.5 TDI	0875	76
Range Rover I 2.5 TDi Classic 14L	0861	76
Range Rover I 2.5 TDi Classic 300 Tdi	0861	76

Lexus	Nº ZEN	Pg.
ES250 6 cil 2.5L 2508cc	1555	79
LS 400	0818	75
LX450 L6 4.5L 4477cc	0816	75
Lincoln	Nº ZEN	Pg.
LS 3.0L (182) V6	1585	79
Navigator 2013-2014 V8 5.4L 330cid	1942	82
Man	Nº ZEN	Pg.
11.136 H - HK - HAK - HS - U	1159	78
13.136 U	1159	78
Massey Ferguson	Nº ZEN	Pg.
265	0978	77
Colheitadeira MF3640 PER-A 6358	0118	72
Colheitadeira MF5650 turbo PER-AT 6354-4	0118	72
Colheitadeira MF102	0118	72
Colheitadeira MF1630	0118	72
Colheitadeira MF1630 PER-A 4248	0118	72
Colheitadeira MF210S	0118	72
Colheitadeira MF220	0118	72
Colheitadeira MF310	0118	72
Colheitadeira MF3640	0118	72
Colheitadeira MF5650	0118	72
Colheitadeira MF5650 PER-A 6354-4	0118	72
MF220	0024	71
MF220	1359	79
MF235	0024	71
MF235	1359	79
MF250	0024	71
MF250	1359	79
MF275	0024	71
MF275	1359	79
MF285	0024	71
MF285	1359	79
MF290	0024	71
MF290	1359	79
MF290 RA Perkins 4236	0024	71
MF290 RA Perkins 4236 diesel	1359	79
MF296	0024	71
MF296	1359	79
MF3366	0024	71
MF3366	1359	79
MF400	0024	71
MF400	1359	79
MF50X	0024	71
MF50X	1359	79
MF55X	0024	71
MF55X	1359	79
MF65R	0024	71
MF65R	1359	79
MF65X	0024	71
MF65X	1359	79
MF85	0034	71
MF85X	0024	71
MF85X	1359	79
MF95I	0024	71
MF95I	1359	79

Massey Ferguson	Nº ZEN	Pg.
MF95X	0024	71
MF95X	1359	79
Pick Up	0118	72
Trator Com Motor 4 cil.	12682	85
Trator Motor 4 Cil.	13585	85
Trator Maxion 9150	0118	72
Trator Maxion 9110	0118	72
Trator Maxion 9130	0118	72
Trator Maxion 9170	0118	72
Trator MF265	0118	72
Trator MF270	0118	72
Trator MF275	0118	72
Trator MF275/4	0118	72
Trator MF285	0118	72
Trator MF290	0118	72
Trator MF292	0118	72
Trator MF295	0118	72
Trator MF295/4	0118	72
Trator MF296	0118	72
Trator MF296/4	0118	72
Trator MF400	0118	72
Trator MF50X	0118	72
Trator MF55X	0118	72
Trator MF65R	0118	72
Trator MF65X	0118	72
Trator MF85X	0118	72
Trator MF86	0118	72
Trator MF95	0118	72
Trator MF95i	0118	72
Maxion	Nº ZEN	Pg.
Motor S4	12684	85
Motores	12682	85
Motores	13585	85
Mazda	Nº ZEN	Pg.
2200 Pick-Up	9791	84
3 L4 2.5 L	1876	81
3 L4 2.0L 1998cc 122cid VIN F	1764	80
3 L4 2.0L 1998cc 122cid VIN G	1764	80
3 L4 2.0L 1999cc 122cid	1764	80
3 L4 2.0L 1999cc 122cid VIN F	1764	80
3 L4 2.0L 1999cc 122cid VIN G	1764	80
3 L4 2.0L 2000cc 122cid	1764	80
3 L4 2.0L 2000cc 122cid VIN F	1764	80
3 L4 2.3L 2260cc	1764	80
3 L4 2.3L 2260cc 138cid	1764	80
5 L4 2.3L 2260cc	1764	80
5 L4 2.3L 2260cc 138cid	1764	80
6 L4 2.5 L	1876	81
6 2.3L Non-Turbo, Gas (L3)	1764	80
6 L4 2.3L 2260cc	1764	80
6 L4 2.3L 2260cc 138cid	1764	80
6 L4 2.3L 2260cc 138cid w/Turbo	1764	80
6 L4 2.3L 2260cc w/Turbo	1764	80
6 L4 2.5L 2488cc 152cid	1764	80
B Séries Pick Up 2.3L	1585	79
B2500D	1024	77

Mazda	Nº ZEN	Pg.
CX-7 L4 2.3L 2260cc	1764	80
CX5 L4 2.5 L	1876	81
Tribute 2.3L	1585	79

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108B	0015	71
1111 (OM321)	0034	71
1113	0034	71
1313	0034	71
1316	0034	71
1513	0034	71
1516	0034	71
180D 2.5	0228	72
180D	12682	85
180D Furgão / Pick Up	0796	75
190	0482	73
190	0857	76
190 1.8	1619	79
190 2.0	1619	79
190 2.0 E	1619	79
190 2.3 E	1619	79
190 2.5 16V	1619	79
190 (W201)	1886	82
190B	0015	71
190E	0482	73
190E	0857	76
200	0108	71
200	0482	73
200	0857	76
200D	0228	72
2013	0034	71
2015	0034	71
207D	0228	72
208	0108	71
209D	0228	72
220	0108	71
220B	0227	72
220D	0228	72
220SB	0227	72
220SEB	0227	72
2213 (OM352)	0034	71
2216 (OM352A)	0034	71
230	0482	73
230	0857	76
240D	0228	72
240D 3.0	0228	72
240GD	0228	72
240TD	0228	72
250	0857	76
280	0108	71
280	0857	76
280E	1031	77
300CD	0228	72
300D	0228	72
300GD	0228	72
300SD	0228	72
300TD	0228	72

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307D	0228	72
308	0108	71
309D	0228	72
320E	1031	77
350	0108	71
380	0108	71
406 1.6/1.8 16V/2.0 16V/2.0 Turbo	1037	77
407D	0228	72
409D	0228	72
450	0108	71
500	0108	71
A170 CDI	1563	79
C 180 - 200 - Kompressor - 220 - 230	1619	79
C 200 2.0, 55KW - Diesel	1057	77
C 200 2.0, 65KW - Diesel	1057	77
C 200 T 2.2, 70KW - Diesel	1057	77
C 220 2.2, 70KW - Diesel	1057	77
C 230 Kompressor	1619	79
C 240	0976	77
C 250 turbo 2.5, 110KW - Diesel	1057	77
C 280	0976	77
C 280 T - Modell	0976	77
C180 2.1 CDi (S204)[OM651.913]	1942	82
C180 2.1 CDi (W204)[OM651.913]	1942	82
C200 2.1 CDi (S204)[OM651.913]	1942	82
C200 2.1 CDi (W204)[OM651.913]	1942	82
C220 2.1 CDi (C204)[OM651.911]	1942	82
C220 2.1 CDi (S204)[OM651.911]	1942	82
C220 2.1 CDi (W204)[OM651.911]	1942	82
C250 2.1 CDi (C204)[OM651.911]	1942	82
C250 2.1 CDi (S204)[OM651.911]	1942	82
C250 2.1 CDi (W204)[OM651.911]	1942	82
C250 2.1 CDi 4-Matic (S204)[OM651.912]	1942	82
C250 2.1 CDi 4-Matic (W204)[OM651.912]	1942	82
C280	1031	77
Caminhão com motor 0321H	0025	71
Caminhão com motor 0321H2	0025	71
Caminhão com motor 321	0025	71
Caminhão / Ônibus LP1219	0105	71
Caminhão / Ônibus 1113	0105	71
Caminhão / Ônibus 1214	0105	71
Caminhão / Ônibus 1218	0105	71
Caminhão / Ônibus 1313	0105	71
Caminhão / Ônibus 1316	0105	71
Caminhão / Ônibus 1414	0105	71
Caminhão / Ônibus 1418	0105	71
Caminhão / Ônibus 1513	0105	71
Caminhão / Ônibus 1516	0105	71
Caminhão / Ônibus 1614	0105	71
Caminhão / Ônibus 1618	0105	71
Caminhão / Ônibus 1621	0105	71
Caminhão / Ônibus 1720	0105	71
Caminhão / Ônibus 2013	0105	71
Caminhão / Ônibus 2016	0105	71
Caminhão / Ônibus 2213	0105	71
Caminhão / Ônibus 2215	0105	71
Caminhão / Ônibus 2216	0105	71

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Caminhão / Ônibus L1319	0105	71
Caminhão / Ônibus L608D	0105	71
Caminhão / Ônibus L610(OM 352)	0105	71
Caminhão / Ônibus L709D	0105	71
Caminhão / Ônibus LP1419	0105	71
Caminhão 1316 OM352/352A	1638	80
Caminhão 1513 OM352/352A	1638	80
Caminhão/Ônibus 2016, 2213, 2216, L608D, L709D, L1319, LP1219, LP1419	1364	79
Caminhão/Ônibus 1214, 1218, 1414, 1418, 1614, , 1513, 1516, 2013,	1364	79
Caminhão/Ônibus 1618, 1621, 2215, 2216, L610 (OM 352), 1113, 1313, 1316	1364	79
Caminhões	0378	73
Caminhões	12682	85
Chassi p/ Ônibus OF/OH 1113 com motor M366G	0105	71
Chassi p/ Ônibus OF/OH 1115 com motor M366G	0105	71
Chassi p/ Ônibus OF/OH 1313 com motor M366G	0105	71
Chassi p/ Ônibus OF/OH 1315 com motor M366G	0105	71
Chassi p/ Ônibus OF/OH 1316 com motor M366G	0105	71
Chassi p/ Ônibus OF/OH O364 com motor M366G	0105	71
Chassi p/ Ônibus OF/OH O371U com motor M366G	0105	71
Chassi para Ônibus 1313, 1315, 1316, O364, O371U Com motor M366G	1364	79
Chassi para Ônibus OF/OH 1113, 1115, Com motor M366G	1364	79
Class C, E, M, S, V, CLK	1458	79
Classe A 160 CDI e 170 CDI	1031	77
Classe A 160 CDI e 170 CDI	1037	77
Classe C (W202)	1886	82
Classe C (W203)	1886	82
Classe E (W124)	1886	82
Classe G (W460)	1886	82
Classe M (W163)	1886	82
Classe S (W140)	1886	82
Classe V (638/2)	1886	82
CLK 200 - Kompressor	1619	79
CLK 230 - Kompressor	1619	79
CLK 320 Coupe	0976	77
CLS250 2.1 BlueTec (C218)[OM651.924]	1942	82
CLS250 2.1 CDi (C218)[OM651.924]	1942	82
D206	0228	72
D306	0228	72
DG206	0228	72
DG306	0228	72
E 200	0961	76
E 200 2.0, 65KW - Diesel	1057	77
E 220 2.2, 70KW - Diesel	1057	77
E 250 2.5, 83KW - Diesel	1057	77
E 250 T 2.5, 83KW - Diesel	1057	77
E 250D Turbo (210) BG, GR, H, I, IS, HR, P, SLO, TR	1031	77
E 250D Turbo (210) BG, GR, H, I, IS, HR, P, SLO, TR	1037	77
E 250DT (210) i	1031	77
E 250DT (210) i	1037	77
E 259D Turbo (210)	1031	77
E 259D Turbo (210)	1037	77
E 270 CDI	1629	80

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E 290 turbo T 2.9, 95KW - Diesel	1057	77
E 290 turbo 2.9, 95KW - Diesel	1057	77
E 300	0961	76
E 320 CDI	1629	80
E200 2.1 BlueTec (S212)[OM651.925]	1942	82
E200 2.1 BlueTec (W212)[OM651.925]	1942	82
E200 2.1 CDi (S212)[OM651.925]	1942	82
E200 2.1 CDi (W212)[OM651.925]	1942	82
E200 Kompressor - V200 - V230	1619	79
E220 2.1 CDi (C207)[OM651.911]	1942	82
E220 2.1 CDi (S212)[OM651.924]	1942	82
E220 2.1 BlueTec (A207)[OM651.911]	1942	82
E220 2.1 BlueTec (S212)[OM651.924]	1942	82
E220 2.1 BlueTec (W212)[OM651.924]	1942	82
E220 2.1 CDi (A207)[OM651.911]	1942	82
E220 2.1 CDi (W212)[OM651.924]	1942	82
E250 2.1 BlueTec (A207)[OM651.911]	1942	82
E250 2.1 BlueTec (C207)[OM651.911]	1942	82
E250 2.1 BlueTec (S212)[OM651.924]	1942	82
E250 2.1 BlueTec (W212)[OM651.924]	1942	82
E250 2.1 BlueTec 4-Matic (S212)[OM651.924]	1942	82
E250 2.1 BlueTec 4-Matic (W212)[OM651.924]	1942	82
E250 2.1 CDi (A207)[OM651.911]	1942	82
E250 2.1 CDi (C207)[OM651.911]	1942	82
E250 2.1 CDi (S212)[OM651.924]	1942	82
E250 2.1 CDi (W212)[OM651.924]	1942	82
E280	1031	77
E300	1031	77
E320	1031	77
GLK200 2.1 CDi (X204)[OM651.913]	1942	82
GLK200 2.1 CDi (X204)[OM651.916]	1942	82
GLK220 2.1 CDi (X204)[OM651.916]	1942	82
GLK220 2.1 CDi 4-Matic (X204)[OM651.912]	1942	82
GLK250 2.1 CDi 4-Matic (X204)[OM651.912]	1942	82
Kombi Espanhola	12682	85
L1113	0497	73
L1116	0497	73
L1117	0497	73
L1316	0497	73
L1317	0497	73
L1516	0497	73
L206	0223	72
L206	0228	72
L207	0223	72
L306	0223	72
L306	0228	72
L307	0223	72
L407D	0228	72
L408DG	0034	71
L410	0857	76
L508G	0034	71
L608DG	0034	71
LA1113	0497	73
LA1117	0497	73
LO812	1364	79
LP1219 com motor Cummins 6BT 5.9 lts	0497	73
LP1419 com motor Cummins 6BT 5.9 lts	0497	73

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LP608	0034	71
LP808	0034	71
Marcopolo	0497	73
MB 180D	12682	85
MBL1319 com motor Cummins 6BT 5.9 lts	0497	73
Micro ônibus L608D (OM314)	0034	71
Mixto 113 2.1 CDi (W639)[OM651.940]	1942	82
Mixto 116 2.1 CDi (W639)[OM651.940]	1942	82
ML 270 CDI	1629	80
O309	0857	76
O309D	0228	72
O362 MWM D226-4	0034	71
O362A Autolite	0034	71
O364	1364	79
O365	1364	79
O366	1364	79
O371U	1364	79
OM314	0034	71
OM321	0034	71
OM321 marítimo 1959 ED	0034	71
OM324	0034	71
OM324 marítimo 1961 ED	0034	71
OM326	0034	71
OM326 marítimo 1963	0034	71
OM352	0034	71
OM352A	0034	71
Ônibus	0025	71
Ônibus	12682	85
Ônibus	12686	85
Ônibus 6CC	13585	85
Ônibus O364 OM352/352A	1638	80
Ônibus O917	0118	72
Ônibus OF 1113	0118	72
Ônibus OH1113	0118	72
S 320 CDI	1629	80
S280	1031	77
S321	1031	77
SLK250 2.1 CDi (R172)[OM651.980]	1942	82
SLK250 2.1 D (R172)[OM651.980]	1942	82
Sprinter	0796	75
Sprinter	0861	76
Sprinter Maxion HS	0916	76
Sprinter	1023	77
Sprinter	1458	79
Sprinter 2.3	1629	80
Sprinter Maxion HS 4 cil 2.5	1635	80
Sprinter	1696	80
Sprinter 213 2.1 CDi (906)[OM651.955]	1942	82
Sprinter 213 2.1 CDi (906)[OM651.956]	1942	82
Sprinter 213 2.1 CDi (906)[OM651.957]	1942	82
Sprinter 313 2.1 CDi (906)[OM651.955]	1942	82
Sprinter 313 2.1 CDi (906)[OM651.956]	1942	82
Sprinter 313 2.1 CDi 4x4 (906)[OM651.955]	1942	82
Sprinter 313 2.1 CDi 4x4 (906)[OM651.956]	1942	82
Sprinter 316 2.1 CDi (906)[OM651.955]	1942	82
Sprinter 316 2.1 CDi (906)[OM651.957]	1942	82
Sprinter 316 2.1 CDi 4x4 (906)[OM651.955]	1942	82

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Sprinter 316 2.1 CDi 4x4 (906)[OM651.957]	1942	82
Sprinter 208 2.3, 58/60KW - Diesel	1057	77
Sprinter 208D	1031	77
Sprinter 208D	1037	77
Sprinter 210 2.9, 75KW - Diesel	1057	77
Sprinter 210D	1031	77
Sprinter 210D	1037	77
Sprinter 212 2.9, 90KW - Diesel	1057	77
Sprinter 212D	1031	77
Sprinter 212D	1037	77
Sprinter 214	1619	79
Sprinter 216	1629	80
Sprinter 308 2.3, 58KW - Diesel	1057	77
Sprinter 308 D	1031	77
Sprinter 308 D	1037	77
Sprinter 310 Diesel	0657	74
Sprinter 310 2.9, 75KW - Diesel	1057	77
Sprinter 312 2.9, 90KW - Diesel	1057	77
Sprinter 312 D	1031	77
Sprinter 312 D	1037	77
Sprinter 314	1619	79
Sprinter 316	1629	80
Sprinter 408 2.3, 58KW - Diesel	1057	77
Sprinter 408D	1031	77
Sprinter 408D	1037	77
Sprinter 410 2.9, 75KW - Diesel	1057	77
Sprinter 410 D	1031	77
Sprinter 410 D	1037	77
Sprinter 412 2.9, 90KW - Diesel	1057	77
Sprinter 412D	1031	77
Sprinter 412D	1037	77
Sprinter 414 2.3	1619	79
Sprinter 416 CDi	1629	80
Sprinter com motor Maxion HS	12682	85
Tratores	0378	73
U52 60	0228	72
U54	0034	71
U600	0228	72
U66	0034	71
U72	0034	71
U80	0034	71
V 230 TD 2.3, 72KW - Diesel	1057	77
Vario 512 2.9, 90KW - Diesel	1057	77
Vario 612 2.9, 90KW - Diesel	1057	77
Vario 812 D	1031	77
Vario O 812 2.9, 90KW - Diesel	1057	77
Viano 2.0 CDi (W639)[OM651.940]	1942	82
Viano 2.0 CDi 4-Matic (W639)[OM651.940]	1942	82
Viano 2.2 CDi (W639)[OM651.940]	1942	82
Viano 2.2 CDi 4-Matic (W639)[OM651.940]	1942	82
Vito 113 2.1 CDi (W639)[OM651.940]	1942	82
Vito 113 2.1 CDi 4x4 (W639)[OM651.940]	1942	82
Vito 116 2.1 CDi (W639)[OM651.940]	1942	82
Vito 116 2.1 CDi 4x4 (W639)[OM651.940]	1942	82
Vito 108 D	1031	77
Vito 110 D	1031	77
Vito 2.0 113 - 114	1619	79

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Vito Engine D/TD	1458	79
Mercury	Nº ZEN	Pg.
Mariner 2.3L (140) L4	1585	79
Milan L4 2.3L 140cid	1764	80
Milan L4 2.5L 2488cc 152cid	1764	80
Mitsubishi	Nº ZEN	Pg.
4D56	1024	77
Canter	0887	76
Canter 2000	9791	84
Especial/Special	0686	74
Especial/Special	1026	77
Katana	1607	79
L200 2.5 D 4WD	1024	77
L200	1047	77
L200	1563	79
L200 2.5 4WD	1567	79
L200 Diesel	1607	79
L200 Triton	1769	81
L300 2.5 D e TD 4X4	1024	77
L300	1567	79
Nativa	1563	79
Pajero 2.5 td	1024	77
Pajero 2.3TD e 2.5 TD	1047	77
Pajero	1563	79
Pajero 2.8	1563	79
Pajero 2.5 td	1567	79
Pajero Classic 2.5 TD	1607	79
Pajero II 2.5 TD - 2.5 TDI	1607	79
Pajero III 2.5 TDI	1607	79
Pajero Pinin 2.0 GDI	1607	79
Pajero Sport 2.5 TD	1607	79
Space Gear 2.5 d	1024	77
Space Gear 2.5	1567	79
Müeller	Nº ZEN	Pg.
Trator RT 62H MWM 229.3	0105	71
Trator RT 82H MWM 229.3	0105	71
Trator VAP 55 MWM 229.3	0105	71
MWM	Nº ZEN	Pg.
D225-6	1364	79
D229-4	1364	79
D229-6	1364	79
Diter D302	0838	75
Diter D325	0838	75
Diter D889	0838	75
Diter D890	0838	75
Diter D900	0838	75
Diter D989	0838	75
Especial/Special 4 e 6 cil.	12684	85
F250 Motor 6.07TCA	1022	77
Motor 4 cil	0772	75
Motor 06CL Sprint (GM Silverado)	0991	77
Motor 4.10T, 6.10T	1372	79
Motor D2256	0034	71
Motor D2256	0105	71

MWM	Nº ZEN	Pg.
Motor D2294	0105	71
Motor D2296	0105	71
Motor TD2296	0105	71
TD229-6	1364	79
New Holland	Nº ZEN	Pg.
4600 motor diesel 4 cil	0024	71
4610 motor diesel 4 cil	0024	71
5600 motor diesel 4 cil	0024	71
5610 motor diesel 4 cil	0024	71
6600 motor diesel 4 cil	0024	71
6610 motor diesel 4 cil	0024	71
7610 motor diesel 4 cil	0024	71
Colheitadeira FNH 8040 MBB-OM352	0105	71
Colheitadeira FNH 8040	1638	80
Colheitadeira FNH 8055 MBB-OM352A	0105	71
Colheitadeira FNH 8255	1638	80
FNH 8040 (MBB-OM352)	1364	79
FNH 8055 (MBB-OM352A).	1364	79
Linea TL Exitus: TL65 / 75 / 85 / 95E MWM	1596	79
Trator	0351	73
Tratores	1957	82
Nissan	Nº ZEN	Pg.
1200	0141	72
120Y	0141	72
1300	0141	72
140Y	0141	72
160Y	0141	72
27 NHR	1862	81
3300, 3500	9791	84
Altima V6 3.5L	1876	81
Altima L4 2.4L 2389cc	1764	80
Armada V8 5.6L 5552cc FLEX	1764	80
Bluebird	0141	72
Bluebird 1.6, 1.8, 1.8 Turbo	0499	74
Cabstar 2.3 Diesel F22	1862	81
Cabstar 2.5 Diesel F22	1862	81
Cabstar	1906	82
Cedric	0141	72
Cherry	0141	72
D21 2.5	1990	82
D22 2.5 TD 4X4	1990	82
Ebro	1174	78
Especial/Special	1070	77
Frontier V6 3.3L 3275cc	1764	80
Frontier 3.0	1906	82
Frontier 2.5	1990	82
Frontier L4 2.4L 2389cc	0712	75
Frontier L4 2.4L 2389cc 146cid	0712	75
Frontier NP 300	1918	82
Interstar 90 DCI - 100 DCI - 120 DCI	1607	79
King Van 2.5 Diesel E24	1862	81
King Van 2.3 Diesel E24	1862	81
Laurel	0141	72
Laurel 2.0	0499	74
March 1.6	1761	80
Maxima V6 3.5L	1876	81

Nissan	Nº ZEN	Pg.
Navara 2.5 Diesel	1862	81
Navara 2.5 dCi	1906	82
NFG101D11	0349	73
Nissan Trucks	1174	78
NP300 2.5	1990	82
Pathfinder V6 3.3L 3275cc	0712	75
Pathfinder 2.5dCi	1906	82
Patrol	0580	74
Pick Up	0634	74
Pick Up	0673	74
Pick Up D21 2400	0712	75
Pick Up L4 2.4L 2389cc	0712	75
Prairiep 1.8	0499	74
Primastar 150 DCI	1607	79
Quest V6 3.5L	1876	81
Sentra	0673	74
Skyline	0141	72
Stanza 1.6, 1.8	0499	74
TD 27	1862	81
Terrano 2.70 TDi 4WD	1862	81
Terrano 2.7 Diesel	1862	81
Terrano II 2.4L	0712	75
Titan V8 5.6L 5552cc FLEX	1764	80
Trade 2.0L Diesel	1173	78
Urban 2.3 D	1862	81
Urban 2.5 D	1862	81
Urvan	0499	74
Van	1174	78
Vanette	0673	74
Vanette 2.0L Diesel	1173	78
Versa	1761	80
Violet	0141	72
XTerra V6 3.3L 3275cc	1764	80
XTerra L4 2.4L 2389cc	0712	75
Z20	0499	74
Z22	0499	74

Oldsmobile	Nº ZEN	Pg.
Alero 3.4L (207) V6	10003	83
Alero 3.4L (207) V6	12720	85
Silhouette 3.4L (207) V6	10003	83
Silhouette 3.4L (207) V6	12720	85

Onan	Nº ZEN	Pg.
Engine Medium Duty 2L600 Kubota 2L600	0353	73

Opel	Nº ZEN	Pg.
Admiral 2.8	0108	71
Ascona Diesel	0482	73
Ascona A	0068	71
Ascona B, C	0108	71
Ascona C20	0482	73
Astra 1.2 16V	1619	79
Astra 1.4 16V	1619	79
Astra 1.6 16V	1619	79
Astra 1.6i	1619	79
Astra G 2.2 16V	10003	83
Blitz 1.9	0015	71

Opel	Nº ZEN	Pg.
Blitz 1.9	0068	71
Blitz CF	0108	71
Combo 1.6	1899	82
Combo 1.6	1982	82
Comodore B	0108	71
Corsa 1.0, 1.2, 1.3	0108	71
Corsa 1.0 12V	1619	79
Corsa 1.2 16V	1619	79
Corsa 1.4 16V	1619	79
Corsa 1.6i	1619	79
Corsa 1.8 16V	1619	79
Crossland X 1.6	1982	82
Diplomat B	0108	71
Grandland X 1.6	1982	82
K 180	0161	72
Kadett Diesel	0482	73
Kadett C, D	0108	71
Kapitan P	0015	71
Manta A	0068	71
Manta B	0108	71
Meriva	1619	79
Monza	0108	71
Movano 2.2 DTI - 2.5 DTI	1607	79
Movano	1692	80
Omega 1.8, 2.0	0482	73
Omega 2.3 D, 2.3 TD	0573	74
Rekord	0108	71
Rekord 2.3 D, 2.3 TD	0573	74
Rekord D	0068	71
Rekord PII	0015	71
Senator	0108	71
Senator 2.3 TD	0573	74
Signum 2.2	10003	83
Speedster 2.2	10003	83
Tigra	1619	79
Vectra 1.4 16V	1619	79
Vectra 1.6 16V	1619	79
Vectra B 2.2 16V	10003	83
Vectra C 2.2 16V	10003	83
Vivaro 2.5 DTI	1607	79
Zafira 2.2 16V	10003	83

Pegaso	Nº ZEN	Pg.
Camion	0378	73

Perkins	Nº ZEN	Pg.
248 Trator CBT 8240	0024	71
4236 A Trator MF 275, 275/4	0024	71
A6.358 Trator Ideal 9110	0024	71
Especial/Special Maxion HSD	0916	76
GM, Ford, Dodge, CBT, Case Motor 4 e 6 cil	0024	71
Maxion	0826	75
Maxion	0978	77
Maxion S4T GM - D20	0118	72
Maxion - HSD (Maxion High Speed)	0861	76
Maxion 1006.6T Trator Ideal 9075	0118	72
Maxion 1006.6T Trator Ideal 9090	0118	72
Maxion S4T GM - D6000	0118	72

Perkins	Nº ZEN	Pg.
Motor 4 e 6 cil	1359	79
Motor Industrial 4203	0118	72
Motor Industrial 4236	0118	72
Motor Industrial 63544	0118	72
Motor Industrial 6358	0118	72
Motor Industrial 3152	0118	72
Motor Industrial 3152, 4203, 4236	0024	71
Motor Industrial 4203	0118	72
Motor Industrial 4236	0118	72
Motor Industrial 6354.4, 6358	0024	71
Motor Industrial 6358	0118	72
Motores 3152	13585	85
Motores 4203	13585	85
Motores 4203 / 3152 / 4236 / 6354	12682	85
Motores 4236	13585	85
Motores 6354	13585	85
Perkins 248 Trator CBT 8240	0118	72
Perkins 4236 A	0118	72
Perkins 6.354/4 Trator CBT 8260 4x4	0118	72
Perkins A6.358	0118	72
Trator 283, 290/4	0024	71
Trator 290, 290/4	0024	71
Trator 292, 292 turbo	0024	71
Trator 296	0118	72
Trator 400	0118	72
Trator 9130, 9150, 9170	0024	71
Trator Ideal 9110	0118	72
Trator Ideal 9130	0118	72
Trator Ideal 9150	0118	72
Trator Ideal 9170	0118	72
Trator MF 290/4	0118	72
Trator MF 292	0118	72
Trator MF 275	0118	72
Trator MF 275/4	0118	72
Trator MF 283	0024	71
Trator MF 283	0118	72
Trator MF 290	0118	72
Trator MF 292 turbo	0118	72
Trator MF 296/4	0118	72
Trator MF 296/4, 296, 400	0024	71
Peugeot	Nº ZEN	Pg.
104	0108	71
106 1.0	0787	75
106	0976	77
107, 1007, 206, 207, 307 e 308 1.4 e 1.6 HDi	1812	81
2008 Motor EC5 1.6	1755	80
2008 1.6	1982	82
205	0482	73
205	0787	75
205 XU7 4 cil 1.6	0915	76
205 XUD9 4 cil 1.9 Diesel	0915	76
205 1.6	0926	76
205	0976	77
206	0787	75
206	0976	77
206 Motor TU3 1.4	1755	80

Peugeot	Nº ZEN	Pg.
207 Motor TU5 1.6	1755	80
208 Motor TU4 1.5	1755	80
208 1.6	1982	82
3008 1.6	1982	82
3008, 407 e 5008 1.6 HDi	1812	81
305	0482	73
305 Diesel	0857	76
305 1.6	0926	76
306 1.6 / 1.8 / 2.0 / 2.0 16V	0787	75
306 XU7 4 cil 1.6	0915	76
306 XUD9 4 cil 1.9 Diesel	0915	76
306	0926	76
306 1.9 Diesel	0935	76
306	0976	77
306 1.8/2.0	1031	77
306 1.8/2.0	1037	77
307 Motor TU5 1.6	1755	80
308 Motor EC5 1.6	1755	80
309	0482	73
309	1187	78
404	0397	73
404	0463	73
404	0961	76
404 Motores Indenor 6305, 6354	12675	85
404/8	0463	73
405	0482	73
405 1.6 / 1.8 / 1.9 / 2.0	0787	75
405 XU7 4 cil 1.6	0915	76
405 XUD9 4 cil 1.9 Diesel	0915	76
405 1.4 - 1.6 - 1.9l	0926	76
405	0961	76
405 1.6	0976	77
405 Diesel	1023	77
405 1.6 GL, 1.8i, 1.9 GR,SRI, 2.0i	1031	77
405 1.6 GL, 1.8i, 1.9 GR,SRI, 2.0i	1037	77
405	1187	78
405 FRI	0915	76
405D	0806	75
406 1.6 / 1.8 / 2.0 16V	0787	75
406 1.6/1.8 16V/2.0 16V/2.0 Turbo	1031	77
406	1643	80
5008 1.6	1982	82
504 1.6, 1.8, 2.0 (V6)	0108	71
504	0463	73
504 XD2 Diesel	0771	75
504 2.1, 2.3 diesel	0961	76
504	1187	78
504	12682	85
505 1.8, 2.0	0108	71
505	0482	73
505 1.6, 1.8, 2.0, 2.3, 2.5 Diesel	0961	76
505	1187	78
505	12682	85
508 1.6	1982	82
604 V6	0108	71
604	0961	76
605 2.0	1031	77

Peugeot	Nº ZEN	Pg.
605 2.0	1037	77
605	1643	80
605TD	1072	77
607	1643	80
806 2.0	1031	77
806 2.0 turbo	1031	77
806 2.0, 2.0 turbo	1037	77
807	1643	80
Boxer	0573	74
Boxer XUD9 4 cil 1.9 Diesel	0915	76
Boxer	0935	76
Boxer	0976	77
Boxer 2.8 HDI	1022	77
Boxer	1025	77
Boxer 2.0	1031	77
Boxer 2.0	1037	77
Boxer 2.5 - TD	1072	77
Boxer	1642	80
Boxer 2.2 HDI	1642	80
Boxer 2.5 TDi	1643	80
Boxer 2.8 HDI	1650	80
Boxer	1874	81
Boxer 2.2 HDi	2014	83
Boxer 2.8 Hdi 4x4	1840	81
Especial/Special Com Motor Indenor	12675	85
Expert 1.8	1031	77
Expert 1.8	1037	77
Expert 1.6	1982	82
Hoggar Motor TU3 1.4	1755	80
J5	0108	71
J5	1187	78
J7	0463	73
J7	1187	78
J9	0961	76
Karsan J9D	1161	78
Motor Indenor 504	13585	85
Motor Indenor 505	13585	85
Partner XU7 4 cil 1.6	0915	76
Partner 1.9 Diesel	0935	76
Partner	1023	77
Partner 1.8	1031	77
Partner 1.8	1037	77
Partner Motor TU5 1.6	1755	80
Partner 1.6 HDi	1812	81
Partner 1.6	1982	82
Partner Furgonato 1.1, 1.4	0976	77
Partner Van, Limousine	0976	77
Ranch 1.6 HDi	1812	81
Rifter 1.6	1982	82
Traveller 1.6	1982	82
Vários modelos com Motor Indenor	12682	85

Plymouth	Nº ZEN	Pg.
Barracuda V8 5.2L 318cid	0495	73
Barracuda V8 5.2L 5212cc 318cid	0495	73
Barracuda V8 5.6L 340cid	0495	73
Barracuda V8 5.6L 5572cc 340cid	0495	73

Plymouth	Nº ZEN	Pg.
Barracuda V8 5.9L 5899cc 360cid	0495	73
Barracuda V8 5.9L 5900cc 360cid	0495	73
Barracuda V8 5.9L 5917cc 361cid	0495	73
Belvedere L6 3.7L 225cid	0495	73
Belvedere L6 3.7L 3687cc 225cid	0495	73
Belvedere V8 4.5L 4473cc 273cid	0495	73
Belvedere V8 5.2L 318cid	0495	73
Belvedere V8 5.2L 5212cc 318cid	0495	73
Belvedere V8 7.0L 6981cc 426cid	0495	73
Belvedere II L6 3.7L 3687cc 225cid	0495	73
Belvedere II V8 4.5L 273cid	0495	73
Belvedere II V8 5.2L 318cid	0495	73
Belvedere II V8 5.9L 361cid	0495	73
Belvedere II V8 7.0L 426cid	0495	73
Caravelle L6 3.7L 3687cc 225cid	0495	73
Caravelle V8 5.2L 318cid	0495	73
Cuda V8 5.2L 318cid	0495	73
Cuda V8 5.2L 5212cc 318cid	0495	73
Cuda V8 5.6L 340cid	0495	73
Cuda V8 5.6L 5572cc 340cid	0495	73
Duster L6 3.7L 225cid	0495	73
Duster L6 3.7L 3687cc 225cid	0495	73
Duster V8 5.2L 318cid	0495	73
Duster V8 5.2L 5212cc 318cid	0495	73
Duster V8 5.9L 360cid	0495	73
Duster V8 5.9L 5899cc 360cid	0495	73
Duster V8 5.9L 5900cc 360cid	0495	73
Fleet Special L6 3.7L 3687cc 225cid	0495	73
Fleet Special V8 5.9L 5917cc 361cid	0495	73
Fury L6 3.7L 225cid	0495	73
Fury L6 3.7L 3687cc 225cid	0495	73
Fury V8 4.5L 273cid	0495	73
Fury V8 4.5L 4473cc 273cid	0495	73
Fury V8 5.2L 318cid	0495	73
Fury V8 5.2L 5212cc 318cid	0495	73
Fury V8 5.9L 361cid	0495	73
Fury V8 5.9L 5917cc 361cid	0495	73
Fury I L6 3.7L 225cid	0495	73
Fury I L6 3.7L 3687cc 225cid	0495	73
Fury I V8 5.2L 318cid	0495	73
Fury I V8 5.2L 5212cc 318cid	0495	73
Fury II L6 3.7L 225cid	0495	73
Fury II L6 3.7L 3687cc 225cid	0495	73
Fury II V8 4.5L 273cid	0495	73
Fury II V8 5.2L 318cid	0495	73
Fury II V8 5.2L 5212cc 318cid	0495	73
Fury III L6 3.7L 225cid	0495	73
Fury III L6 3.7L 3687cc 225cid	0495	73
Fury III V8 4.5L 273cid	0495	73
Fury III V8 5.2L 318cid	0495	73
Fury III V8 5.2L 5212cc 318cid	0495	73
Gran Fury L6 3.7L 3687cc 225cid	0495	73
Gran Fury V8 5.2L 318cid	0495	73
Gran Fury V8 5.2L 5211cc 318cid	0495	73
Gran Fury V8 5.2L 5212cc 318cid	0495	73
GTX V8 4.5L 4473cc 273cid	0495	73
GTX V8 5.2L 318cid	0495	73

Plymouth	Nº ZEN	Pg.
GTX V8 5.2L 5212cc 318cid	0495	73
GTX V8 7.0L 6981cc 426cid	0495	73
PB100 L6 3.7L 3687cc 225cid VIN N	0495	73
PB100 V8 5.2L 5211cc 318cid VIN E	0495	73
PB150 L6 3.7L 3687cc 225cid VIN E	0495	73
PB150 L6 3.7L 3687cc 225cid VIN H	0495	73
PB150 V8 5.2L 5211cc 318cid VIN R	0495	73
PB150 V8 5.2L 5211cc 318cid VIN T	0495	73
PB200 L6 3.7L 3687cc 225cid VIN N	0495	73
PB200 V8 5.2L 5211cc 318cid VIN E	0495	73
PB200 V8 5.2L 5211cc 318cid VIN P	0495	73
PB200 V8 5.9L 360cid VIN T	0495	73
PB250 L6 3.7L 3687cc 225cid VIN E	0495	73
PB250 L6 3.7L 3687cc 225cid VIN H	0495	73
PB250 V8 5.2L 5211cc 318cid VIN P	0495	73
PB250 V8 5.2L 5211cc 318cid VIN R	0495	73
PB250 V8 5.2L 5211cc 318cid VIN T	0495	73
PB250 V8 5.2L 5211cc 318cid VIN U	0495	73
PB250 V8 5.9L 360cid VIN T	0495	73
PB300 V8 5.2L 5211cc 318cid VIN E	0495	73
PB300 V8 5.9L 360cid VIN T	0495	73
PB350 V8 5.2L 5211cc 318cid VIN P	0495	73
PB350 V8 5.2L 5211cc 318cid VIN R	0495	73
PB350 V8 5.2L 5211cc 318cid VIN T	0495	73
PB350 V8 5.2L 5211cc 318cid VIN U	0495	73
PB350 V8 5.9L 360cid VIN 1	0495	73
PB350 V8 5.9L 360cid VIN T	0495	73
PB350 V8 5.9L 360cid VIN U	0495	73
PB350 V8 5.9L 360cid VIN W	0495	73
Roadrunner V8 5.2L 318cid	0495	73
Roadrunner V8 5.2L 5212cc 318cid	0495	73
Satellite L6 3.7L 225cid	0495	73
Satellite L6 3.7L 3687cc 225cid	0495	73
Satellite V8 4.5L 273cid	0495	73
Satellite V8 4.5L 4473cc 273cid	0495	73
Satellite V8 5.2L 318cid	0495	73
Satellite V8 5.2L 5212cc 318cid	0495	73
Satellite V8 5.9L 360cid	0495	73
Satellite V8 5.9L 5899cc 360cid	0495	73
Satellite V8 5.9L 5900cc 360cid	0495	73
Satellite V8 5.9L 5917cc 361cid	0495	73
Savoy L6 3.7L 3687cc 225cid	0495	73
Savoy V8 4.5L 4473cc 273cid	0495	73
Savoy V8 5.2L 5212cc 318cid	0495	73
Savoy V8 5.9L 5917cc 361cid	0495	73
Scamp L6 3.2L 198cid	0495	73
Scamp L6 3.2L 3254cc 198cid	0495	73
Scamp L6 3.7L 225cid	0495	73
Scamp L6 3.7L 3687cc 225cid	0495	73
Scamp V8 5.2L 318cid	0495	73
Scamp V8 5.2L 5212cc 318cid	0495	73
Trailduster L6 3.7L 3687cc 225cid	0495	73
Trailduster V8 5.2L 318cid	0495	73
Trailduster V8 5.2L 5211cc 318cid	0495	73
Trailduster V8 5.2L 5212cc 318cid	0495	73
Valiant L6 3.7L 225cid	0495	73
Valiant L6 3.7L 3687cc 225cid	0495	73

Plymouth	Nº ZEN	Pg.
Valiant V8 5.2L 318cid	0495	73
Valiant V8 5.2L 5212cc 318cid	0495	73
Valiant V8 5.9L 360cid	0495	73
Valiant V8 5.9L 5899cc 360cid	0495	73
VIP V8 5.2L 5212cc 318cid	0495	73
Volare L6 3.7L 3687cc 225cid	0495	73
Volare V8 5.2L 318cid	0495	73
Pontiac	Nº ZEN	Pg.
Aztec 3.4L (207) V6	10003	83
Aztec 3.4L (207) V6	12720	85
Firebird V6 2.8L 173cid	1189	78
Firebird V6 3.1L 189cid	1189	78
G6 V6 3.6L 217cid	0806	75
Grand AM 3.4L (207) V6	10003	83
Grand AM 3.4L (207) V6	12720	85
Grand Prix 3.1L (189) V6	10003	83
Grand Prix 3.1L (189) V6	12720	85
Montana 3.4L (207) V6	10003	83
Montana 3.4L (207) V6	12720	85
Torrent V6 3.6L 217cid	0806	75
Porsche	Nº ZEN	Pg.
190	0065	71
33.1	0223	72
616	0223	72
914	0323	73
924	0065	71
924	0108	71
Puma	Nº ZEN	Pg.
Caminhão 900 série 914 com motor MWM 229.4	0105	71
GT VW 1600	0065	71
GTS VW 1600	0065	71
Puma GT Malzoni	0015	71
Puma GTB GM4100	0045	71
Ram Van	Nº ZEN	Pg.
C/V V6 3.6L	1877	81
ProMaster 1500 V6 3.6L	1877	81
ProMaster 2500 V6 3.6L	1877	81
ProMaster 3500 V6 3.6L	1877	81
Renault	Nº ZEN	Pg.
19 1.6	0468	73
19 1.7, 1.8	1134	78
21 2000	0468	73
210 Midlum dCI 6AE Euro 3	1159	78
210.20	0392	73
21GTX	0468	73
230.20	0392	73
230.26	0392	73
250	0392	73
75 -130 - 85.150 - 95.130 - 110.50 - 110.170	1159	78
Avantime 2.2 DCI	1607	79
C 230 - CBM - CCH 300 - CLR 230 - G 170 - G 200 - GB 131 - JE 13	1159	78
CL3 1.6 Argentino	0468	73
Clio 1.9 Diesel	1031	77

Renault	Nº ZEN	Pg.
Clio 1.9 Diesel	1037	77
Clio 1.0 8v	1058	77
Clio 1.6i	1058	77
Clio 1.4	1134	78
Clio D	1023	77
Clio Express Diesel	0935	76
Clio F8Q 1.9 Diesel	1134	78
Clio Grandtour	1756	80
Clio II 1.9 Diesel	1058	77
Clio II	1756	80
Clio II Box	1756	80
Clio III	1756	80
D17	0392	73
D20	0392	73
Espace	0656	74
Espace	0787	75
Espace IV 2.2 DCI	1607	79
Express D	1023	77
Express F8Q 1.9 Diesel	1134	78
Fuego com motor 2000 Argentino e Brasileiro	0468	73
Fuego	0656	74
Fuego	1187	78
Grand Scenic II	1756	80
JN 60 - 75 - 80 - 85 - 90 - 95	1159	78
JP 11 - 13 - 14	1159	78
JR 19 - 21	1159	78
JX 21	1159	78
Kangoo 1.9 Diesel - 48KW	1058	77
Kangoo	1756	80
Kangoo Express	1756	80
Laguna 16V	0787	75
Laguna II 2.2 DCI	1607	79
Laguna II Grandtour 2.2 DCI	1607	79
Laguna III	1756	80
Laguna III Grandtour	1756	80
Linea 21 2.2	0468	73
Logan	1755	80
Logan Estate	1756	80
M 140 - 150 - 160 - 180 - 200 - 210 - 230 - 250	1159	78
Master	0656	74
Master	0787	75
Master	0910	76
Master	1063	77
Master	1187	78
Master	1607	79
Master 2.5	1692	80
Master Eletrônico DCi120	1618	79
Master II 2.2 DCI 90 - 2.5 DCI 120	1607	79
Master III 2.5 DCI - 2.5 DCI 100	1607	79
Master, P35, T35 Diesel	0875	76
ME 160 - 180	1159	78
Megane 2.0 16V	0976	77
Megane 1.9 d	1031	77
Megane 1.9 d	1037	77
Megane 1.9 Diesel	1058	77
Megane 2.0	1134	78
Megane III Coupe	1756	80

Renault	Nº ZEN	Pg.
Megane III Grandtour	1756	80
Megane III Hatchback	1756	80
Megane CC	1756	80
Megane D	1023	77
Megane II	1756	80
Megane II Coupe-Cabriolet	1756	80
Megane II Estate	1756	80
Megane II Saloon	1756	80
Midlum 135 - 150 - 180 - 210 - 250	1159	78
Modus	1756	80
P1000	0108	71
P2000	0108	71
Pick Up Rodeo 4 cil 2.1 Diesel	0771	75
Premium 210 - 250	1159	78
R 11	0468	73
R 11	1187	78
R 12	0468	73
R 18	0468	73
R 18	1187	78
R 19 1.9 d	1031	77
R 19 1.9 d	1037	77
R 19 D	1023	77
R 20	1187	78
R 21	1187	78
R 21 D	1023	77
R 25	1187	78
R 4	1187	78
R 4F6	0926	76
R 5	1187	78
R 5 Alpine e Turbo	0926	76
R 5 TL, GTL, LS	0926	76
R 9	0468	73
R 9	1187	78
R11	0482	73
R11	0926	76
R12	0248	72
R12	0786	75
R12 Canada	0248	72
R14GTL-GTS	0108	71
R18	0108	71
R18	0248	72
R18	0482	73
R18	0656	74
R18 4 cil 2.1 Diesel	0771	75
R18 turbo	0108	71
R18 turbo	0482	73
R19	0468	73
R19	0935	76
R19 1.9 Diesel	1058	77
R19 F8Q 1.9 Diesel	1134	78
R20	0108	71
R20	0656	74
R21	0656	74
R25	0656	74
R30	0108	71
R30 Turbo diesel	0656	74
R4	0248	72

Renault	Nº ZEN	Pg.
R5	0248	72
R5 U.S.A	0248	72
R6	0248	72
R9	0482	73
R9	0926	76
RFS	0468	73
S 100 - 130 - 140 - 150 - 160 - 170 - 180 - 210	1159	78
Safrane V6	0787	75
Safrane 2.2i	1031	77
Safrane 2.2i	1037	77
Sandero 1.0	1755	80
Scenic II	1756	80
SM 8	1159	78
Thalia	1756	80
Trafic	0108	71
Trafic	0248	72
Trafic 4X4	0407	73
Trafic 2.2	0468	73
Trafic	0482	73
Trafic Diesel	0656	74
Trafic	0732	75
Trafic Gasolina	0786	75
Trafic 1.4 b	0926	76
Trafic 1.9 Diesel - 47/48KW	1058	77
Trafic	1187	78
Trafic 2.5	1692	80
Trafic 352 4 cil 2.1 Diesel	0771	75
Trafic diesel	0875	76
Trafic Gasolina	0787	75
Trafic II 2.5 DCI 135	1607	79
Trafic T312 4 cil 2.1 Diesel	0771	75
Trafic TA12 4 cil 2.1 Diesel	0771	75
Trafic TA52 4 cil 2.1 Diesel	0771	75
Trucks SEE: 120-6057, A, B 360, 368 Series Versions	1159	78
Twingo	0854	76
Twingo	1756	80
Twingo I 1.2 1239ccm C3G	0482	73
V.I. Mascott	1158	78
V.I. Midliner	1159	78
Velsatis 2.2 DCI	1607	79
Saab	Nº ZEN	Pg.
42925 5.3L (325) V8	12720	85
9.7 5.3L (325) V8	10003	83
Same	Nº ZEN	Pg.
Caminhões	0378	73
Tratores	0378	73
Saturn	Nº ZEN	Pg.
2004-01	10003	83
Especial/Special	12720	85
Saturn CarAura V6 3.6L 217cid	0806	75
Saturn TruckOutlook V6 3.6L 217cid	0806	75
Vue V6 3.6L 217cid	0806	75
Saviem	Nº ZEN	Pg.
E7C	1159	78

Saviem	Nº ZEN	Pg.
JN 75 - 85 - 90	1159	78
JP 11 - 13	1159	78
SC50	1159	78
SM 6 - 7 - 8	1159	78
Scania	Nº ZEN	Pg.
Caminhões	0378	73
Tratores	0378	73
Seat	Nº ZEN	Pg.
1200 Sport 1430 cc	0120	72
124	0120	72
124 1.8	0389	73
124D	0120	72
124D Special	0120	72
127	0120	72
127 Fura	0120	72
128.3P	0120	72
131	0120	72
131 L 1.6	0389	73
131L	0120	72
138	0120	72
1500	0713	75
Alhambra 1.9 TDI	0937	76
Alhambra 1.8T - 2.0	1108	78
Alhambra 1.4 e 2.0	1985	82
Altea XL 1.9 TDI - 2.0 TDI - 4x4	1856	81
Altea 1.6TDI	2005	83
Ateca 1.4	1985	82
Córdoba 1.6, 1.8, 2.0	1108	78
Ibiza	0786	75
Ibiza 1.9 D/TD	0937	76
Ibiza 1.6	1108	78
Ibiza 1.2TDI	2005	83
Ibiza 1.6TDI	2005	83
Inca 1.6 EFI	12685	85
Leon 1.4, 1.6, 1.8, 1.8T	1108	78
Leon 1.9 TDI - 2.0 TDI - 16V	1856	81
Leon 1.4, 1.8 e 2.0	1985	82
Leon 1.6TDI	2005	83
Malaga	0786	75
Ritmo	0120	72
Ronda	0786	75
Tarraco 1.4 e 1.5	1985	82
Toledo 1.4, 1.6, 1.8	1108	78
Toledo 1.6TDI	2005	83
Toledo III 1.9 TDI - 2.0 TDI - 16V	1856	81
Vento Tdi 1.9	0937	76
Skoda	Nº ZEN	Pg.
Fabia 1.2TDI	2005	83
Fabia 1.6TDI	2005	83
Octacia 2.0	1985	82
Octavia 1.9 TDI	0937	76
Octavia 1.6, 1.8, 1.8T, 2.0	1108	78
Octavia 2.0 TDI 16V - RS	1856	81
Octavia 1.6TDI	2005	83
Rapid 1.6TDI	2005	83

Skoda	Nº ZEN	Pg.
Roomster 1.2TDI	2005	83
Roomster 1.6TDI	2005	83
Superb 2.0 TDI - 16V - 4x4	1856	81
Superb 2.0	1985	82
Superb 1.6TDI	2005	83

Ssangyong	Nº ZEN	Pg.
Actyon 2.0 16V	1614	79
Actyon Sports I (QJ)	1886	82
Actyon I	1886	82
Especial/Special	1037	77
Korando (K4)	1886	82
Korando (KJ)	1886	82
Korando Cabrio (KJ)	1886	82
Kyron 2.0 16V TDI	1614	79
Kyron	1886	82
Musso Sports	1886	82
Musso (FJ)	1886	82
New Actyon Sport 2.0 16V	1614	79
Rexton II 2.7 16V TDI	1614	79
Rexton RX 270 2.7 16V XDI	1614	79
Rexton W 2.7 16V XDI	1614	79
Rexton (GAB)	1886	82
Stavic	1886	82

Suzuki	Nº ZEN	Pg.
SX4 2.0	1899	82
SX4 SCross 1.6	1899	82
XL7 V6 3.6L 3564cc	0806	75

Tata	Nº ZEN	Pg.
Ace	1715	80
Indigo	1715	80

Tiete	Nº ZEN	Pg.
Motor Estacionário RD900	0323	73
Motor Estacionário RD900L	0323	73
Motor Estacionário RD950	0323	73
Motor Estacionário RD950L	0323	73

Toyota	Nº ZEN	Pg.
Ayco 1.4 D	1812	81
Bandeirante	0025	71
Bandeirante MBB-OM314	0034	71
Bandeirante MBB-OM 314	0105	71
Bandeirante (MBB-OM 314)	1364	79
Bandeirantes OM 364	1638	80
Camry 4 cil 2.0L 1998cc	1555	79
Camry 4 cil 2.0L 1998cc 122cid	1555	79
Camry 6 cil 2.5L 2508cc	1555	79
Carina 1.4, 1.6	0184	72
Carina 1.9L 1858cc 113cid	0353	73
Celica 1.4, 1.6	0184	72
Celica 4 cil 2.0L 1998cc	1555	79
Celica 4 cil 2.0L 1998cc 122cid	1555	79
Celica 4 cil 2.2L 2164cc	1555	79
Celica L4 1.9L 1858cc 113cid	0353	73
Celica L4 1.9L 1898cc	0353	73
Celica L4 2.0L 1968cc	0353	73

Toyota	Nº ZEN	Pg.
Celica L4 2.0L 1968cc 120cid	0353	73
Celica L4 2.2L 2189cc	0353	73
Copain 1.0	0184	72
Corolla 1.2, 1.3, 1.4, 1.6	0184	72
Corolla 1.9L 1858cc	0353	73
Corolla	0818	75
Corona 1.4, 1.6	0184	72
Corona L4	0353	73
Corona L4 1.9L 1897cc 116cid	0353	73
Corona L4 1.9L 1898cc	0353	73
Corona L4 2.0L 1968cc	0353	73
Corona L4 2.0L 1968cc 120cid	0353	73
Corona L4 2.2L 2189cc	0353	73
Crown	0353	73
Europe Car Celica 2000	0353	73
Europe Car Corona 1500	0353	73
Europe Car Corona 1600	0353	73
Europe Car Corona 1700	0353	73
Europe Car Corona 1800	0353	73
Europe Car Corona 1900	0353	73
Europe Car Corona 2000	0353	73
FJ 60	0353	73
Hiace 2000	0353	73
Hilux	1555	79
Hilux	1914	82
Hilux 2.8 4x4	1919	82
Hilux SW4 2.8 4x4	1919	82
Hilux 2.8	2004	83
Hilux 3.0	2004	83
Hilux 2000	0353	73
Ipsium	1555	79
Land Cruiser 4.7	0818	75
Land Cruiser L6 4.5L 4477cc	0816	75
Lite Ace	0184	72
Pick Up	0184	72
Pick Up L4 2.0L 1968cc	0353	73
Sprinter	0184	72
Sprinter 1.3L 1290cc	0353	73
Starlet 1.0, 1.2	0184	72
Starlet L4 1.5L 1452cc	0353	73
Tacoma	0818	75
Tercel 1300	0353	73
Tercel 1500	0353	73
Tercel L4 1.5L 1452cc 3AC	0353	73
Tercel L4 1.5L 1456cc 3E	0353	73
Tercel L4 1.9L 1858cc 113cid	0353	73
Toyoace	0549	74
Truck Pick Up L4	0353	73
Truck Pick Up L4 1.9L 1858cc	0353	73
Truck Pick Up L4 1.9L 1897cc 116cid	0353	73
Truck Pick Up L4 1.9L 1898cc	0353	73
Truck Pick Up L4 2.0L 1968cc 120cid	0353	73
Truck Pick Up L4 2.2L 2189cc	0353	73

Troller	Nº ZEN	Pg.
T4 MWM	1063	77
T4	1635	80

Universal	Nº ZEN	Pg.
Engine Marine 5421 Kubota D850 21 HP, 3 cil Dsl	0353	73
Engine Marine M25 Kubota D850 21 HP, 3 cil Dsl	0353	73
Engine Marine M25 XP Kubota D950 23HP, 3 cil Dsl	0353	73
Engine Marine M25 XPA Kubota D950 23HP, 3 cil Dsl	0353	73

Valmet	Nº ZEN	Pg.
110ID	1364	79
118	1364	79
128	1364	79
138	1364	79
138/4 Turbo	1364	79
148	1364	79
78	1364	79
85ID	1364	79
88	1364	79
880	1364	79
885	0392	73
980	1364	79
HR492AT	0378	73
HR688H	0378	73
HR688H	0392	73
HR688HT	0378	73
HR688HT	0392	73
HR692HT	0378	73
Trator 110ID	0105	71
Trator 118	0105	71
Trator 1180S com motor Valtra (importado)	0392	73
Trator 128	0105	71
Trator 138	0105	71
Trator 138/4 turbo	0105	71
Trator 1380S com motor Valtra (importado)	0392	73
Trator 148	0105	71
Trator 1680S com motor Valtra (importado)	0392	73
Trator 78	0105	71
Trator 85ID	0105	71
Trator 88	0105	71
Trator 880	0105	71
Trator 885S com motor Valtra (importado)	0392	73
Trator 980	0105	71
Trator 985	0378	73
Trator 985S com motor Valtra (importado)	0392	73
Trator Série 1180 com motor Cummins 6B 5.9	0497	73

Vauxhall	Nº ZEN	Pg.
Corsa 1.0 12V	1619	79
Corsa 1.2 16V	1619	79
Corsa 1.4 16V	1619	79
Corsa 1.6i	1619	79
Corsa 1.8 16V	1619	79
Magnum 1800	1188	78
Magnum 2300	1188	78
Victor FD 2000	1188	78
Victor FE 1800	1188	78
VX 1800-2300 M35	1188	78

Volkswagen	Nº ZEN	Pg.
1500 1.8	0714	75
16200 motor cummins	0497	73

Volkswagen	Nº ZEN	Pg.
6.80 com motor Perkins	0024	71
81	0025	71
Apollo GL, GLS AP 1.8	0323	73
Beetle 1.9 TDI	0937	76
Beetle 2.0	1985	82
Beetle 1.6TDI	2005	83
Bora 1.9 TDI	0937	76
Bora 1.6, 2.0	1108	78
Brasilia 1.3 e 1.6 álcool e gasolina	0065	71
Bus/Eurovan 1.9 L	0937	76
Caddy 1.4	1985	82
Caddy 1.6TDI	2005	83
Caddy III 1.9TDI	1856	81
California 2.0	1985	82
California T5 2.0TDI	2005	83
Caminhão 15-160	12682	85
Caminhão 15-160	13585	85
Caminhão 6.80 Perkins	1359	79
Caminhão VW11.130	0105	71
Caminhão VW13.130	0105	71
Caminhão VW6.90	0105	71
Caminhão VW7.110S	0105	71
Caminhão VW7.90S	0105	71
Caminhões Cummins	13585	85
Caravelle 1.9	0937	76
Caravelle 2.0	1985	82
Caravelle T6 2.0TDI	2005	83
CC 2.0	1985	82
Chassi VW7.90CE	0105	71
Chassi VW7.90CO	0105	71
Chassi VW7.90S	0105	71
Chassi VW7.90S, VW7.90CE, VW7.90CO	1364	79
Dasher 1.5 D	0068	71
Derby	0068	71
Derby	0482	73
Eos 2.0 TFSI - 2.0 TDI 16V - 3.2 V6	1856	81
Eurovan	0937	76
Fox	1712	80
Fusca 1.6 (mod 94)	0065	71
G2 2.0 Mi	12841	85
G31.8 2.0 Mi	12841	85
Gol 1.3 e 1.6 álcool e gasolina	0065	71
Gol 1.6, 1.8, 2.0, C, CL, GL	0068	71
Gol 1.0i	0108	71
Gol 1.6	0108	71
Gol 1.8i	0108	71
Gol	0482	73
Gol 2.0 Mi	12841	85
Gol G2 1.8 Mi, 2.0Mi, 2.0i	12681	85
Gol G5	1712	80
Golf 1.1, 1.3	0068	71
Golf 1.5 D	0323	73
Golf 1.1, 1.3	0482	73
Golf 2.0	0937	76
Golf	1712	80
Golf IV - V 3.2 R32 4motion	1856	81
Golf V - VI 1.9 TDI - 2.0 TDI - 16V - 4motion	1856	81

Volkswagen	Nº ZEN	Pg.
Golf 1.8	1985	82
Golf 2.0	1985	82
Golf 1.6TDI	2005	83
Golf 2.0TDI	2005	83
Golf G3 1.9 TDI	0937	76
Golf G4 1.4, 1.6, 1.8, 2.0	1108	78
Golf G4 1.4, 1.6, 1.8, 2.0 Variant	1108	78
Golf G4 1.8 GTI	1108	78
Golf G4 1.8 GTI Turbo	1108	78
IM1200	0323	73
IM127	0323	73
IM1300	0323	73
IM1302	0323	73
IM1303	0323	73
IM1500	0323	73
IM1600	0323	73
IM181	0323	73
IM411	0323	73
IM412	0323	73
Jetta 1.1, 1.3, 1.7 (USA)	0068	71
Jetta	0323	73
Jetta 1.3	0482	73
Jetta 1.6TDI	2005	83
Jetta 2.0TDI	2005	83
Jetta III 1.4 TSI - 1.9 TDI - 2.0 TDI - 16V	1856	81
Karmann Ghia TC 1600	0065	71
Kombi 1.5, 1.6	0065	71
Kombi	0068	71
Kombi	0482	73
Kombi	1712	80
Logus 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi	12685	85
LT 28	0108	71
LT 31	0108	71
LT 35	0108	71
LT 40	0108	71
LT 45	0108	71
LT TD	0844	75
LT TD	9526	84
LT28	0228	72
LT28	0378	73
LT28	0392	73
LT28	0631	74
LT28	0857	76
LT31	0228	72
LT31	0378	73
LT31	0392	73
LT31	0631	74
LT31	0857	76
LT35	0228	72
LT35	0392	73
LT35	0631	74
LT35	0857	76
LT35D	0378	73
LT40	0228	72
LT40	0631	74
LT40	0857	76
LT45	0228	72

Volkswagen	Nº ZEN	Pg.
LT45	0631	74
LT45	0857	76
LT50 D Turbo	0631	74
LT50	0857	76
LT50D	0228	72
Motor MWM X10	1372	79
Multivan	0937	76
Multivan 2.0	1985	82
Multivan T5 2.0TDI	2005	83
New Beattle 1.9 TDI	1856	81
New Beetle 1.8, 2.0	1108	78
Ônibus Bus	1372	79
Parati 1.5 e 1.6 C, CL, GL	0068	71
Parati 1.6, 1.8	12681	85
Parati 2.0 Mi	12841	85
Parati G2 1.8Mi, 1.8i, 2.0Mi, 2.0i	12681	85
Parati G3 1.8Mi, 2.0Mi	12681	85
Parati GLS	0108	71
Passat 1.3, D1.5, 1.5, 1.6	0068	71
Passat 1.6	0323	73
Passat 1.6, 1.8	0482	73
Passat	0937	76
Passat 3.2 FSI - 3.6 R36 4motion	1856	81
Passat CC 1.9TDI - 2.0TDI - 16V - 4motion	1856	81
Passat 2.0	1985	82
Passat 2.0TDI	2005	83
Passat Alemão	1619	79
Passat GTS Pointer 1.8 5cil. a álcool	0108	71
Pick Up 1.5, 1.6	0065	71
Pick Up 1.6	0068	71
Pointer 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi	12685	85
Polo	0068	71
Polo Diesel 1.0, 1.3	0482	73
Polo 1.9 TDI	0937	76
Polo 1.6, 1.8	1108	78
Polo 2.0	1985	82
Polo 1.2TDI	2005	83
Polo 1.6TDI	2005	83
Quantum 1.8 e 2.0 CL, GL, GLS	0108	71
Quantum 1.8Mi, 1.8i, 2.0Mi, 2.0i	12681	85
Quantum 1.8, 2.0 Mi	12841	85
Rabbit 1.7	0068	71
Rabbit diesel	0323	73
Routan V6 3.6L 3604cc 220cid VIN G	1877	81
Routan V6 3.6L 3605cc 220cid VIN G	1877	81
Santana 1.8 e 2.0 CL, GL, GLS	0108	71
Santana	0482	73
Santana 1.8Mi, 1.8i, 2.0Mi, 2.0i	12681	85
Santana 1.8, 2.0 Mi	12841	85
Satation Wagon Diesel (USA) 1.6	0482	73
Saveiro 1.6 álcool e gasolina	0065	71
Saveiro 1.6 CL, GL	0068	71
Saveiro 1.8 álcool e gasolina	0108	71
Saveiro	1712	80
Saveiro 1.8	12681	85
Saveiro G2 1.6Mi, 1.8 Mi, 2.0Mi	12681	85
Saveiro G3 1.6Mi, 1.8 Mi, 2.0Mi	12681	85

Volkswagen	Nº ZEN	Pg.
Saveiro G3 1.6/1.8/2.0 Mi	12841	85
Scirocco 1.1, 1.3, 1.6, 1.7 (USA)	0068	71
Scirocco	0323	73
Scirocco	0482	73
Scirocco 2.0 TDI	1856	81
Scirocco 2.0	1985	82
Sedan 1.3 e 1.6 álcool e gasolina	0065	71
Sedan 1200	0131	72
Sedan 1300	0131	72
Sedan 1500	0131	72
Sedan 1600	0131	72
Sharan 1.9 TDI	0937	76
Sharan 1.8T, 2.0	1108	78
Sharan 1.4	1985	82
SP1	0065	71
SP2	0065	71
Spacefox	1712	80
TC1600	0065	71
Tiguan 1.4 e 2.0	1985	82
TL1600	0065	71
Touran 1.9 TDI - 2.0 TDI - 16V	1856	81
Touran 1.6TDI	2005	83
Touran 2.0TDI	2005	83
Transporter 1.2	0119	72
Transporter 1.5, 1.6	0131	72
Transporter 1.3, 1.7, 1.8	0323	73
Transporter 1.6 Diesel	0482	73
Transporter 2.0	1108	78
Transporter 2.0	1985	82
Transporter T4 2.4 Diesel	12687	85
Transporter T5 2.0TDI	2005	83
Transporter TD	0613	74
Van 1.6 Mi	12685	85
Variant I	0065	71
Variant II	0065	71
Vento TDI 1.9	0937	76
Voyage 1.5 e 1.6 CL, GL	0068	71
Voyage	0482	73
Voyage	1712	80
Voyage 1.8	12681	85
Voyage GLS 1.8 álcool e gasolina	0108	71
VW11.130	1364	79
VW13.130	1364	79
VW6.90	1364	79
VW7.110S	1364	79
VW7.90S	1364	79
Volvo	Nº ZEN	Pg.
100100	0227	72
100200	0227	72
121	0015	71
121	0227	72
122	0015	71
122	0227	72
123	0227	72
140	0108	71
142	0108	71

Volvo	Nº ZEN	Pg.
144	0108	71
144	0227	72
160	0108	71
164	0108	71
210	0227	72
221	0227	72
240	0108	71
240 2.4 D	0631	74
240 D	0844	75
240 D, 740 TD, 940 TD	9526	84
240D5	0228	72
240D6	0228	72
340	0108	71
345	1187	78
360	0108	71
406	0118	72
407	0118	72
740 2.0 e 2.3	0482	73
740 2.4 D	0631	74
740 TD	0844	75
760	0108	71
760 turbo diesel	0228	72
760 2.4 TD	0631	74
940 TD	0844	75
AQ90	0227	72
AQ95	0227	72
C303	0227	72
C304	0227	72
C306	0227	72
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Itamaraty	0056	71
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1GM	0349	73
1GM 1 cil 19.41ci, 0.318L Diesel	0349	73
1GM10 1 cil, 19.41ci, 0.318L Diesel	0349	73
1GM10C 1 cil, 19.41ci, 0.318L Diesel	0349	73
2GM	0349	73
2GM 2 cil Diesel	0349	73
2GM20 2 cil, 38.81ci, 0.636L Diesel	0349	73
2GMF 2 cil Diesel	0349	73
3GM	0349	73
3GM 3 cil Diesel	0349	73
3GM30 3 cil Diesel	0349	73
3GMD 3 cil Diesel	0349	73
3GMF 3 cil Diesel	0349	73
KM2A 0000	0349	73
KM2C 0000	0349	73
KM2P 0000	0349	73
KM3A 0000	0349	73
KM3P 0000	0349	73
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Zanella	Nº ZEN	Pg.
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Kit Reparo 12694	12681	85
Kit Reparo 12694	12683	85
Kit Reparo 12694	12685	85
Kit Reparo 12694	12841	85
Kit Reparo 12695	12675	85
Kit Reparo 12695	12682	85
Kit Reparo 12695	12684	85
Kit Reparo 12695	12686	85
Kit Reparo 12695	12687	85
Kit Reparo 12721	12720	85
Reparo 12693	12681	85
Reparo 12693	12683	85
Reparo 12693	12685	85
Reparo 12693	12841	85
Reparo 12722	12720	85
Utiliza Pinhão ZEN 13021	1667	80
Utiliza pinhão ZEN 10049	1863	81
Utiliza pinhão ZEN 12812	1047	77
Utiliza Pinhão ZEN 9186	0818	75

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Utiliza Pinhão ZEN 9349	0816	75
Utiliza Pinhão ZEN 9506	1555	79
Utiliza Pinhão ZEN 9566	0844	75
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Utilizado com Impulsor ZEN 0866	12681	85
Utilizado no Impulsor ZEN 0792	9526	84
Utilizado no Impulsor ZEN 1602	12675	85
Utilizado com Impulsor ZEN 1635	12682	85

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91118533	0686	74
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281025	0463	73
293422	0463	73
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1006200042	12683	85
1006200110	12683	85
1006208030	0015	71
1006208036	0015	71
1006209010	0015	71
1006209011	0015	71
1006209013	0015	71
1006209015	0015	71
1006209016	0015	71
1006209030	0223	72
1006209032	0223	72
1006209039	0223	72
1006209049	0223	72
1006209056	0223	72
1006209059	0119	72
1006209060	0119	72
1006209061	0131	72
1006209067	0119	72
1006209071	0223	72
1006209102	0131	72
1006209104	0131	72
1006209105	0223	72
1006209110	0223	72
1006209117	0119	72
1006209119	0119	72
1006209123	0015	71
1006209124	0015	71
1006209140	0223	72
1006209161	0131	72
1006209162	0065	71
1006209320	0119	72
1006209321	0119	72
1006209322	0119	72
1006209323	0119	72
1006209324	0119	72
1006209325	0119	72
1006209329	0119	72
1006209339	0131	72
1006209400	0068	71
1006209404	0108	71
1006209405	0068	71
1006209410	0108	71
1006209412	0068	71
1006209414	0108	71
1006209416	0108	71
1006209417	0068	71
1006209424	0323	73
1006209427	0108	71
1006209431	0065	71

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1006209447	0108	71
1006209462	0108	71
1006209463	0108	71
1006209469	0857	76
1006209470	0857	76
1006209471	0108	71
1006209473	0857	76
1006209503	0482	73
1006209504	0482	73
1006209506	0482	73
1006209509	0482	73
1006209513	0482	73
1006209524	0573	74
1006209526	0482	73
1006209528	0482	73
1006209530	0482	73
1006209531	0482	73
1006209532	0613	74
1006209533	0482	73
1006209536	0482	73
1006209548	0482	73
1006209563	0482	73
1006209567	0482	73
1006209570	0482	73
1006209572	0482	73
1006209573	0482	73
1006209582	0482	73
1006209597	0482	73
1006209598	0482	73
1006209619	0482	73
1006209621	0937	76
1006209624	0976	77
1006209631	1037	77
1006209633	0976	77
1006209635	1031	77
1006209642	1057	77
1006209648	0937	76
1006209657	1108	78
1006209671	1058	77
1006209678	1031	77
1006209684	0482	73
1006209685	0482	73
1006209692	0976	77
1006209693	0482	73
1006209696	0976	77
1006209699	0937	76
1006209700	0482	73
1006209701	0482	73
1006209705	0482	73
1006209706	0976	77
1006209709	0482	73
1006209715	0976	77
1006209757	1108	78
1006209793	1619	79
1006209801	1619	79

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1006209807	1619	79
1006209818	1650	80
1006209824	1642	80
1006209845	1696	80
1006209847	1856	81
1006209880	0937	76
1006209901	0015	71
1006209903	0015	71
1006209939	0482	73
1006209944	0976	77
1006209964	1650	80
1006209991	1899	82
1006210111	1650	80
1006210128	1642	80
1006210146	1642	80
1006210149	1650	80
1006210175	2014	83
1006210205	1874	81
1006210206	1874	81
1006210217	1856	81
1006210273	1985	82
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1006210940	1939	82
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1007010105	1108	78
1126600975	13585	85
1987BE0000	0020	71
1987BE0007	0351	73
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1987BE0016	0468	73
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1987BE0036	1189	78
1987BE0045	0612	74
1987BE0047	0656	74
1987BE0048	0714	75
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2006208013	0223	72
2006209021	0227	72
2006209032	0227	72
2006209160	0131	72
2006209161	0131	72
2006209162	0065	71
2006209181	0227	72
2006209240	0310	72
2006209311	0131	72
2006209330	0310	72
2006209341	0301	72
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2006209407	0313	72
2006209408	0392	73
2006209414	0497	73
2006209418	0310	72
2006209421	0105	71
2006209421	1364	79
2006209423	0392	73
2006209425	0378	73
2006209435	0118	72
2006209436	0105	71
2006209436	1364	79
2006209437	0313	72
2006209438	0392	73
2006209444	0497	73
2006209446	0105	71
2006209446	1364	79
2006209448	0310	72
2006209466	0528	74
2006209470	0291	72
2006209471	0228	72
2006209483	0291	72
2006209494	0378	73
2006209500	0228	72
2006209902	0227	72
2007010163	1159	78
6033AD0004	1643	80
6033AD0044	0573	74
6033AD0077	1158	78
6033AD0091	1026	77
6033AD0184	1159	78
6033AD0200	1159	78
6033AD0218	1629	80
6033AD0267	1952	82
6033AD0270	1022	77
6033AD0414	1022	77
6033AD1002	1158	78
6033AD3106	1952	82
6033AD3334	1159	78
6033ADO044	0573	74
6033ADO077	1158	78
6033ADO091	1026	77
6033ADO184	1159	78
6033ADO200	1159	78
9001042021	0065	71
9001042060	0673	74
9001066236	0108	71
9001082014	0015	71
9001082016	0015	71
9001082306	0082	71
9001082340	0108	71
9001082362	0065	71
9001082423	0015	71
9001082425	0115	72
9001082429	0015	71

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9001082660	0108	71
9001082669	0323	73
9001082686	0108	71
9001082748	0108	71
9001082750	0068	71
9001083406	0105	71
9001083406	1364	79
9001083436	0105	71
9001083436	1364	79
9001083440	0034	71
9001140317	0631	74
9001336205	0713	75
9001336222	0120	72
9001336324	0108	71
9001451291	0104	71
9001451343	0291	72
9001453284	0070	71
9001453333	0024	71
9001453333	1359	79
9001453334	0024	71
9001453334	1359	79
9001453338	0024	71
9001453338	1359	79
9001453340	0056	71
9001453391	0025	71
9002336208	0796	75
9002336218	0875	76
9002336219	1070	77
9002336224	1072	77
9002336226	0861	76
9002336237	1159	78
9002336283	0875	76
9002336287	1072	77
9002453010	0392	73
9002453038	0118	72
9002453073	0105	71
9002453073	1364	79
9002453074	0118	72
9002453077	0497	73
9002453078	1372	79
9002453079	1372	79
9002453081	0392	73
9002453082	0118	72
9003331430	1174	78
9003336208	0796	75
9003336212	0223	72
9003336212	0227	72
9003336227	0861	76
9003336274	1174	78
9003336280	0573	74
9003336282	0838	75
9003336283	0875	76
9003336289	1070	77
9003336290	1173	78

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9003336293	0631	74
9008045049	0976	77
9009996289	0875	76
F000AL1002	0108	71
F000AL1015	12685	85
F000AL1019	12681	85
F000AL1086	1108	78
F000AL1181	12841	85
F000AL1324	0976	77
F000AL1516	0482	73
F000AL1534	0482	73
F000AL1683	0976	77
F000AL1698	0482	73
F000AL1700	0482	73
F000AL1872	0861	76
F000AL1876	0015	71
F000AL1881	0875	76
F000AL2617	1638	80
F000AL2813	1815	81
F000AL2955	1845	81
F000AL3000	1914	82
F000AL3001	1919	82
F000CD1117	1712	80
F002G20279	0291	72
F005M10053	1037	77
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130414	0228	72
131104	0482	73
132864	1957	82
133437	0844	75
135063	0612	74
135718	1862	81
136854	0937	76
137171	0875	76
137753	0818	75
139541	1024	77
231756	1159	78
231932	1607	79
231932	1692	80
234247	1619	79
234819	1812	81
237667	1650	80
330382	1840	81
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580000043	0627	74
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DR1905	0020	71
4106093	0495	73
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0283005490	1957	82

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0283005710	1957	82
0283006210	1957	82
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8104	12683	85
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10682	1217	78
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150534	0227	72
170613	0120	72
170616	0397	73
1066122	0713	75
1706114	0120	72
1706126	0389	73
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879898	0953	76
4063663	0713	75
4091920	0495	73
4106093	0495	73
4130651	0120	72
4142235	0120	72
4145751	0120	72
4145978	0495	73
4202988	0120	72
4249166	0120	72
8122129	0105	71
8122129	1364	79
8997796	0310	72
9000862	0407	73
9008243	0105	71
9008243	1364	79
9926112	0105	71
9926112	1364	79
9927793	0407	73
9929081	0407	73
9934739	0310	72
9934977	0310	72
9935731	0407	73
9936036	0120	72
9936602	0108	71
9936671	0857	76
9936730	0291	72
9936772	0407	73
9937207	0389	73
9937705	0108	71
9937949	0291	72
9939194	0631	74
9939710	0875	76
9939915	0786	75
9940577	0786	75

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9941300	0786	75
9941306	0786	75
9941314	0482	73
9941371	1117	78
9941640	0389	73
9941892	0120	72
9948135	1025	77
9956676	0291	72
9957707	0407	73
9957820	0310	72
9957919	0105	71
9957919	1364	79
9983629	0291	72
9986112	0407	73
79023774	0407	73
79026090	0291	72
79026236	0310	72
79028900	0105	71
79028900	1364	79
79028909	0105	71
79028909	1364	79
82327386	0108	71
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106688	0907	76
SDE198	0184	72
F7RUK614	0907	76
10670F7RU	0907	76
F87U11350	1217	78
D27Z11350A	0184	72
D37Z11350A	0184	72
1L5T11000AA	1585	79
2701E11350B	0064	71
F87U11350AC	1217	78
72DB11K003AA	0064	71
VP7C3U11350AB	1676	80
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6624100	0714	75
58350001	0120	72
58350002	0120	72
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01954842	0045	71
07328970	0024	71
07328970	1359	79
09307667	0108	71
9423227	0349	73
24538276	1873	81
90273737	0482	73
93306250	1935	82
94021427	0141	72
94208296	0351	73
94233227	0349	73
1608820544	1946	82
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211445004	0351	73
211445007	0351	73

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211445012	0634	74	SD306	0223	72	3568	0020	71	16215	0184	72
211445504	0499	74	SD307	0228	72	3569	0020	71	16215	0353	73
211455004	0349	73	SD312	0118	72	3571	0020	71	16218	0184	72
211465001	0349	73	SD313	0378	73	3627	0020	71	16222	0353	73
211475001	0351	73	SD315	0313	72	3629	0020	71	16224	0353	73
2114N1550	0141	72	SD324	0248	72	3631	0020	71	16230	0184	72
2114N1560	0141	72	SD341	0064	71	3633	0020	71	16230	0353	73
2114N3550	0351	73	SD359	0353	73	3635	0020	71	16238	0353	73
2114N4550	0141	72	SD415	0227	72	3649	0020	71	16242	0184	72
213015005	1862	81	SD436	0108	71	3666	0020	71	16245	0184	72
213015505	1862	81	SD437	0482	73	3674	0020	71	16246	0141	72
213035004	0844	75	SD440	0631	74	3686	0020	71	16246	0351	73
213095007	1862	81	SD441	0392	73	3689	0020	71	16260	0184	72
<b>Honda</b>			SD450	0065	71	3691	0020	71	16261	0184	72
31204657671	1957	82	SD450	0323	73	3696	0020	71	16261	0353	73
31207634005	0349	73	SD454	0068	71	3733	0020	71	16270	0141	72
<b>Hyundai</b>			SD456	0119	72	3800	0020	71	16270	0349	73
361454A100	1794	81	SD457	0131	72	3838	0020	71	16270	0351	73
3616042300	1607	79	SD466	0323	73	4038	0020	71	16283	1188	78
<b>Iskra</b>			SD483	0657	74	4208	0020	71	16299	0108	71
922H6	0926	76	SD486	0541	74	4247	0020	71	16313	0015	71
16900392	0926	76	SD508	0656	74	4253	0020	71	16314	0015	71
16900408	0926	76	<b>Iveco</b>			4263	0020	71	16318	0119	72
16900541	0926	76	42531397	0875	76	4347	0020	71	16319	0119	72
16900902	0926	76	50053567	1650	80	4724	0020	71	16320	0015	71
16900920	0228	72	500053567	1650	80	6303	0020	71	16320	0223	72
16901392	0926	76	<b>John Deere</b>			6311	0020	71	16327	0119	72
16901408	0926	76	RE503358	1952	82	6317	1189	78	16329	0119	72
<b>Isuzu</b>			<b>Kubota</b>			6339	1189	78	16334	0223	72
8821213620	0141	72	1552163041	1957	82	6375	0020	71	16336	0223	72
8921233010	0141	72	<b>Lester</b>			6413	1189	78	16344	0223	72
8941291870	1957	82	3257	0495	73	6415	0612	74	16345	0015	71
8942082960	0351	73	3258	0495	73	6416	0612	74	16346	0015	71
8942082961	0351	73	3503	0020	71	6418	0612	74	16353	0108	71
8942332270	0349	73	3504	0020	71	6424	0612	74	16355	0119	72
8942332770	0349	73	3505	0020	71	6471	10003	83	16356	0223	72
9811233010	0141	72	3507	0020	71	6491	10003	83	16362	0223	72
9821233010	0141	72	3508	0020	71	6493	10003	83	16362	0323	73
<b>Italacciai</b>			3510	0020	71	6494	10003	83	16367	0108	71
SD040	0463	73	3524	0020	71	6583	1194	78	16396	0119	72
SD060	0228	72	3525	0020	71	11713	1876	81	16396	0131	72
SD107	0120	72	3533	0020	71	16109	1188	78	16401	0068	71
SD123	0310	72	3535	0020	71	16169	0280	84	16401	0108	71
SD124	0105	71	3546	0020	71	16190	0141	72	16401	0482	73
SD124	1364	79	3550	0020	71	16194	0351	73	16408	0482	73
SD125	0407	73	3551	0020	71	16201	0141	72	16412	0108	71
SD128	0407	73	3552	0020	71	16203	0141	72	16417	0108	71
SD149	0349	73	3553	0020	71	16203	0351	73	16418	0108	71
SD151	0351	73	3554	0020	71	16205	0141	72	16418	0323	73
SD152	0184	72	3557	0020	71	16205	0349	73	16442	0223	72
SD183	0353	73	3560	0020	71	16207	0141	72	16443	0108	71
SD184	0291	72	3561	0020	71	16207	0349	73	16445	0228	72
SD188	0389	73	3563	0020	71	16209	0141	72	16450	0065	71
SD197	0280	84	3564	0020	71	16211	0141	72	16450	0131	72
SD199	0398	73	3565	0020	71	16211	0349	73	16462	0108	71

Lester	Nº ZEN	Pg.
16465	0120	72
16488	0248	72
16499	0349	73
16521	0120	72
16530	0068	71
16531	0108	71
16534	0108	71
16538	0108	71
16539	0068	71
16539	0108	71
16543	0857	76
16547	0323	73
16550	0108	71
16556	0323	73
16557	0108	71
16560	0105	71
16560	0301	72
16563	0497	73
16565	0392	73
16567	0392	73
16593	0108	71
16593	0120	72
16597	0248	72
16608	0064	71
16619	0108	71
16619	0482	73
16621	0068	71
16621	0108	71
16623	0068	71
16633	0184	72
16637	0184	72
16646	0184	72
16669	0486	73
16683	0108	71
16684	0108	71
16687	0223	72
16689	0108	71
16700	0120	72
16711	0351	73
16722	0108	71
16755	0248	72
16766	0353	73
16773	0351	73
16774	0499	74
16781	0068	71
16781	0108	71
16805	0141	72
16805	0499	74
16832	0353	73
16843	0353	73
16877	0351	73
16949	0228	72
16952	0482	73
16954	0857	76
16956	0482	73

Lester	Nº ZEN	Pg.
16957	0228	72
16980	0482	73
16984	0486	73
16992	0499	74
16999	0228	72
17009	0631	74
17011	0482	73
17013	0482	73
17016	0573	74
17025	0323	73
17031	0108	71
17039	0482	73
17043	0857	76
17061	0108	71
17068	0613	74
17073	0105	71
17073	0301	72
17074	0105	71
17074	0301	72
17076	0105	71
17076	0301	72
17085	0656	74
17093	0310	72
17106	0105	71
17106	0301	72
17111	0407	73
17113	0378	73
17113	0392	73
17122	0108	71
17124	0482	73
17126	0407	73
17134	0323	73
17135	0482	73
17136	0105	71
17136	0301	72
17138	0844	75
17140	0482	73
17152	0765	75
17157	0482	73
17163	0482	73
17164	0482	73
17165	0482	73
17183	0573	74
17184	0105	71
17184	0301	72
17225	0482	73
17228	0105	71
17228	0301	72
17229	0378	73
17229	0392	73
17230	0105	71
17230	0301	72
17258	0392	73
17309	0497	73
17354	0353	73

Lester	Nº ZEN	Pg.
17406	0482	73
17407	0482	73
17408	0482	73
17414	0223	72
17425	0712	75
17454	0634	74
17466	0816	75
17485	0816	75
17508	0482	73
17565	0765	75
17576	0482	73
17648	0486	73
17653	0486	73
17664	0482	73
17667	0787	75
17683	0712	75
17685	0712	75
17699	0482	73
17872	1876	81
18028	0392	73
18029	0105	71
18030	0105	71
18031	0310	72
18032	0105	71
18032	0301	72
18033	0105	71
18111	0105	71
18111	0301	72
18122	0118	72
18229	0105	71
18229	0301	72
18236	0378	73
18237	0105	71
18237	0301	72
18259	0118	72
18262	0486	73
19195	1876	81
19981	1876	81
3508M	0020	71
3510M	0020	71

Lucas	Nº ZEN	Pg.
TDB045	0045	71
TLB111	0280	84
TMB008	0854	76
TMB101	0064	71
TMB116	0398	73
TMB121	0486	73
TMB208	0796	75
TMB276	0657	74
TMB411	0323	73
TMB421	0068	71
TMB448	0108	71
TMB455	0482	73
TMB471	0228	72
TMB480	0108	71

Lucas	Nº ZEN	Pg.
TMB482	0065	71
TMB570	0482	73
TMM901	0786	75
TNB137	1188	78
TNB167	0541	74
TNB169	0486	73
TNB407	0105	71
TNB408	0497	73
TNB439	0118	72
TNB460	0024	71
TNB461	0034	71
TNB463	0025	71
TWB235	0104	71
11123205	1613	79
54240293	0280	84
54240294	0280	84
54240295	0280	84
54240795	0064	71
54242330	0280	84
54243848	0064	71
54244686	1188	78
54245201	1188	78
54245341	1188	78
54246005	1188	78
54246340	0398	73
54246661	0064	71
54246739	0398	73
54247077	1188	78
54247181	1188	78
54247184	0398	73
54247188	0064	71
54247389	0486	73
54252215	0280	84
54258190	0064	71
54261658	0280	84
54268140	0541	74
54268142	0486	73
60251022	0280	84
60600038	0486	73
60600210	0064	71

Lucas Indiel	Nº ZEN	Pg.
220198	0915	76
220206	0826	75
220210	1134	78
220310	0978	77
220407	1023	77
220408	1024	77
220409	1031	77
220415	1070	77
220416	1072	77
220419	1117	78
220427	1194	78
221292	0656	74
221293	0787	75
221411	0323	73

Lucas Indiel	Nº ZEN	Pg.
221421	0068	71
221480	0108	71
221482	0065	71
221493	0115	72
221711	0045	71
221830	0397	73
221832	0713	75
221833	0407	73
221905	0714	75
222407	0105	71
222439	0118	72
222460	0024	71
222461	0034	71
222463	0025	71
222495	0497	73
223102	0020	71
223124	0786	75
223138	0015	71
223164	0064	71
223222	0228	72
223224	0248	72
223227	0291	72
223261	0482	73
223262	0486	73
223279	0612	74
223285	0631	74
223291	0732	75
223295	0796	75
223297	0806	75
223302	0838	75
223313	0378	73
223317	0131	72
223320	0223	72
223322	0351	73
223464	0184	72
223561	0310	72
223709	0528	74
223747	0573	74
223751	0580	74
223790	0634	74
223808	0657	74
223965	0861	76
223976	0875	76
224035	0935	76
224037	0937	76
224076	0976	77
224078	0978	77
224091	0991	77
227332	0161	72
227344	0463	73
227632	0120	72
227785	0468	73
227911	0771	75
228042	0389	73
228139	0468	73

Lucas Indiel	Nº ZEN	Pg.
228266	0772	75
229023	1635	80
229027	0978	77
229033	0991	77
229938	1596	79
229983	1026	77
4A54440	0161	72
35257332	0161	72
35257525	0468	73
35257911	0771	75
35258139	0468	73
35258266	0772	75
35259027	0978	77
35259033	0991	77
35259938	1596	79
35260198	0915	76
35260202	0915	76
35260206	0826	75
35260280	0916	76
35260310	0978	77
35260500	0991	77
35260810	0978	77
35261299	1596	79
35262227	0916	76
<b>Mazda</b>	<b>Nº ZEN</b>	<b>Pg.</b>
029024830	0184	72
<b>Mercedes Benz</b>	<b>Nº ZEN</b>	<b>Pg.</b>
0001517013	0105	71
0001517013	1364	79
3431517113	0025	71
3431517113	0034	71
<b>Mitsuba</b>	<b>Nº ZEN</b>	<b>Pg.</b>
5485502	1849	81
SH07118	1849	81
M191X68785	1563	79
<b>Mitsubishi</b>	<b>Nº ZEN</b>	<b>Pg.</b>
6Z12	1876	81
15471	1764	80
19971	1764	80
40571	1876	81
68971	1063	77
75571	1047	77
78971	1918	82
93971	1063	77
MD312858	1024	77
MD604047	0184	72
MD604048	0184	72
MD604080	0184	72
MD607791	1047	77
MD618963	1024	77
MD619204	1567	79
ME701487	0887	76
ME701648	0887	76
ME701651	0887	76
M191T13471	0712	75

Mitsubishi	Nº ZEN	Pg.
M191T13671	0806	75
M191T14671	0806	75
M191T15071	1024	77
M191T15271	1761	80
M191T18271	0806	75
M191T68071	1024	77
M191T68771	1563	79
M191T78871	1990	82
M191T93971	1063	77
M191T96571	1807	81
M191X19971	1764	80
M191X67571	0887	76
M191X67585	0887	76
M191X67685	0887	76
M191X67771	0887	76
M191X67871	0887	76
M191X67885	0887	76
M191X68071	1024	77
M191X68171	1563	79
M191X68271	0887	76
M191X68471	1567	79
M191X68671	0887	76
M191X93571	0887	76
M191X95971	1906	82
M357T75571	1047	77
M357T78371	1918	82
M357X78871	1990	82
M605X26971	9791	84
<b>MYR</b>	<b>Nº ZEN</b>	<b>Pg.</b>
0110	12683	85
0141	12675	85
0144	12684	85
0146	12687	85
0147	12682	85
0149	12686	85
1015	12685	85
1019	12681	85
<b>Nippon</b>	<b>Nº ZEN</b>	<b>Pg.</b>
0280906580	1555	79
0280996580	1555	79
0283001800	1957	82
0283002200	1957	82
0283005490	1957	82
0283005710	1957	82
0283006210	1957	82
0283007610	1863	81
0283007680	1863	81
0283007860	1863	81
0283007940	0818	75
0283008100	1863	81
<b>Nippondenso</b>	<b>Nº ZEN</b>	<b>Pg.</b>
0283000851	0184	72
0283000891	0549	74
0283001020	0184	72
0283001540	0184	72

Nippondenso	Nº ZEN	Pg.
0283001542	0184	72
0283003880	0686	74
283004320	0765	75
0283006990	0818	75
0283007170	0818	75
283007270	0816	75
0283007990	0818	75
<b>Nissan</b>	<b>Nº ZEN</b>	<b>Pg.</b>
233120990	0141	72
23300H6000	0349	73
2331210600	0141	72
2331210605	0141	72
2331221000	0141	72
2331221005	0141	72
2331242L60	0634	74
2331243601	0141	72
2331243G00	1862	81
23312D0100	0499	74
23312E3000	0141	72
23312E3300	0141	72
23312E6000	0141	72
23312E6700	0349	73
23312E6800	0351	73
23312E6801	0351	73
23312H5000	0349	73
23312H5001	0349	73
23312H6700	0349	73
23312H6900	0349	73
23312J2003	0580	74
23312N0900	0141	72
23312N3300	0351	73
23312U6000	0351	73
23312V6000	0351	73
23312VK501	1990	82
23312Y0700	0351	73
<b>Paris Rhone</b>	<b>Nº ZEN</b>	<b>Pg.</b>
076980	0248	72
093623	0248	72
097062	0248	72
97584	0463	73
99931	1187	78
103790	0463	73
105538	0656	74
180827	0961	76
181068	0657	74
184530	0961	76
185182	0656	74
<b>Prestolite</b>	<b>Nº ZEN</b>	<b>Pg.</b>
KJD08	12686	85
KJD08	13585	85
KJD09	12686	85
KJD09	13585	85
KJD20	12684	85
KJD21	12684	85
K01212	13585	85

Prestolite	Nº ZEN	Pg.
K01219	12687	85
K01219	13585	85
K01221	12675	85
K01221	13585	85
K01222	12684	85
K01261	12684	85
K01284	12675	85
K01284	13585	85
K01343	13585	85
K01349	12684	85
K01469	12684	85
K21147	12682	85
K21147	13585	85
K21148	12684	85
K21149	13585	85
35258669	12682	85
35258669	13585	85
35258853	12686	85
35258853	13585	85
35259465	12684	85
35259859	12687	85
35259859	13585	85
35259915	13585	85
35259952	12675	85
35259952	13585	85
35259959	13585	85
Remy	Nº ZEN	Pg.
D2008	0020	71
D2014	0020	71
D2020	0020	71
D2032	1189	78
D2049	0020	71
D2050	0612	74
1108481	0020	71
1865687	0522	74
1875687	0020	71
1935827	0020	71
1935829	0020	71
1945842	0020	71
1947727	0020	71
1954842	0020	71
1954842	1184	78
1954867	0020	71
1965538	0020	71
1965723	0020	71
1965923	0020	71
1984511	1189	78
8000045	10003	83
8000058	10003	83
9000856	10003	83
9000868	10003	83
9000876	10003	83
9000881	10003	83
9000896	10003	83
9000901	10003	83

Remy	Nº ZEN	Pg.
9000933	10003	83
9000939	10003	83
9000948	10003	83
9000977	10003	83
10452348	10003	83
10452918	1614	79
10452929	1082	78
10455504	10003	83
10456422	0020	71
10456455	1194	78
10457056	1194	78
10457579	1194	78
10468675	0612	74
10473700	0612	74
10475958	0854	76
10501804	10003	83
10504495	12720	85
10504515	10003	83
10510651	1840	81
10521484	10003	83
19024518	0392	73
19024525	0378	73
89017523	10003	83
10457056L	1194	78
Suzuki	Nº ZEN	Pg.
3132063210	0184	72
3132078310	0686	74
Tata	Nº ZEN	Pg.
26258286	1715	80
Thermoking	Nº ZEN	Pg.
446676	9526	84
446681	9526	84
TIM México	Nº ZEN	Pg.
1825	2039	83
Toyota	Nº ZEN	Pg.
280110L200	1919	82
2801122010	0184	72
2801122020	0184	72
2801122022	0184	72
2801123020	0184	72
2801124020	0184	72
2801124060	0184	72
2801124080	0184	72
2801126020	0184	72
2801133033	0184	72
2801140041	0184	72
2801141020	0353	73
2801146010	0184	72
2801146013	0549	74
2801160041	0353	73
2801174070	1555	79
2801176070	0818	75
2801187102	0184	72
Tria	Nº ZEN	Pg.
4424	0732	75

Unifap	Nº ZEN	Pg.
11010	12683	85
11015	12685	85
11019	12681	85
12147	12682	85
12149	12686	85
12219	12687	85
12221	12675	85
12222	12684	85
14150	12720	85
R0147	13585	85
Valeo	Nº ZEN	Pg.
059427	1458	79
059527	1458	79
097062	0248	72
NE184	0248	72
NE209	0656	74
NE563	0463	73
NE584	0463	73
NE776	0961	76
NE832	0961	76
NE834	1023	77
NE875	0787	75
NE883	0656	74
182047	0656	74
182176	0961	76
182178	0657	74
185182	0656	74
185675	0961	76
185915	1023	77
186456	0961	76
186867	0787	75
186938	0787	75
187528	1458	79
187960	0787	75
188729	2002	82
188887	0787	75
188993	1607	79
188993	1692	80
191363	1618	79
192929	1812	81
194213	1812	81
195041	1756	80
195202	1776	81
195334	1756	80
438224	1756	80
458388	1756	80
501493	1755	80
501496	1755	80
584135	1023	77
584185	1023	77
594042	0961	76
594185	1023	77
594214	0787	75
594245	0656	74
594279	1458	79

Valeo	Nº ZEN	Pg.
594410	1607	79
594410	1692	80
594628	2002	82
594631	1812	81
595622	2005	83
595724	1776	81
0809042	1607	79
NE 212	0657	74
1200580	1755	80
1206998	1755	80
Visteon	Nº ZEN	Pg.
STRC019	0959	76
1C3U11350AB	1081	78
Volkswagen	Nº ZEN	Pg.
80415	0015	71
04053926	0105	71
04053926	1364	79
04128642	0024	71
04128642	1359	79
02A911023	0482	73
052911335	0068	71
056911335	0068	71
049911335A	0482	73
055911335B	0323	73
056911335A	0068	71
059911335B	0108	71
ZBA911335	0068	71
ZBC911335	0108	71
113911335A	0119	72
113911335B	0119	72
113911335C	0131	72
3059113353	0065	71
311911335A	0065	71
78MU11350A	0108	71
BC4N11350A	0024	71
BC4N11350A	1359	79
BD0A11350A	0056	71
BD7D11350A	0082	71
WAI	Nº ZEN	Pg.
3339	0495	73
54100	1189	78
54101	0020	71
54101	1184	78
54135	1189	78
54149	0612	74
54173	10003	83
54176	1082	78
54180	0020	71
54180	1184	78
54217	1081	78
54218	1585	79
54221	1539	79
54225	0907	76
54229	1676	80
542400	0959	76

WAI	Nº ZEN	Pg.
548101	0499	74
548109	0351	73
548110	0349	73
548112	0141	72
548137	0634	74
548141	0844	75
548207	0353	73
548208	0184	72
548218	1555	79
548225	0816	75
548231	0765	75
548235	0818	75
548249	1863	81
548269	1942	82
548321	0673	74
548325	0712	75
548343	1024	77
548344	1567	79
548346	1764	80
548349	1876	81
548351	0806	75
548352	0806	75
548362	1063	77
548406	1194	78
548507	1849	81
549100	0323	73
549101	0068	71
549108	0105	71
549109	0378	73
549112	0118	72
549113	0392	73
549117	0291	72
549118	0228	72
549127	0223	72
549128	0497	73
549129	0108	71
549140	0482	73
549143	0065	71
549147	0857	76
549158	0631	74
549170	0613	74
549176	0573	74
549201	0064	71
549214	0486	73
549222	0280	84
549300	0407	73
549303	0389	73
549305	0120	72
549311	0786	75
549402	0248	72
549424	0656	74
549434	0787	75
549440	1458	79
549441	1023	77
549444	0657	74

WAI	Nº ZEN	Pg.
549456	1607	79
5481204	9526	84
5483221	9791	84
5483415	0887	76
5483425	1563	79
5491103	0976	77
5491104	1108	78
5491118	1158	78
5491127	0937	76
5491132	0528	74
5491133	0875	76
5491134	1031	77
5491143	1072	77
5491144	1159	78
5491146	1058	77
5491149	0313	72
5491150	0838	75
5491151	0861	76
5491153	1022	77
5491155	1057	77
5491173	0310	72
5491176	1619	79
5491179	1037	77
5491191	1874	81
5491194	1650	80
SP842261	0131	72
SP842738	0580	74
Wapsa	Nº ZEN	Pg.
2244	0024	71
2244	1359	79
224001	0001	71
224004	0024	71
224004	1359	79
224010	0025	71
224016	0056	71
224029	0070	71
224033	0045	71
224035	0104	71
224038	0024	71
224038	1359	79
224043	0024	71
224043	1359	79
2244036	0024	71
2244036	1359	79
Ww	Nº ZEN	Pg.
10121	0184	72
10501	0184	72
10504	0184	72

Alfa Romeo	Nº ZEN	Pg.
51787218	1899	82
51808557	1899	82
American	Nº ZEN	Pg.
89530020124	1189	78
Audi	Nº ZEN	Pg.
02Z911023K	2005	83
02Z911023M	2005	83
02Z911023N	2005	83
02Z911023P	2005	83
02Z911024K	2005	83
02Z911023KX	2005	83
02Z911023MX	2005	83
02Z911023NX	2005	83
02Z911023PX	2005	83
02Z911024KX	2005	83
Bosch	Nº ZEN	Pg.
NN9	0015	71
2164	1650	80
000114004	0482	73
0001106011	0976	77
0001106014	0976	77
0001106015	0976	77
0001107009	12683	85
0001107012	12683	85
0001107013	12683	85
0001107015	12683	85
0001107034	12683	85
0001107047	0976	77
0001107060	12683	85
0001107063	0976	77
0001107077	0976	77
0001107091	0976	77
0001107098	0976	77
0001107401	1619	79
0001107402	1619	79
0001107403	1619	79
0001107404	1619	79
0001107405	1619	79
0001107406	1619	79
0001107408	1619	79
0001107409	1619	79
0001107421	1619	79
0001107427	1619	79
0001107428	1619	79
0001107435	1619	79
0001107436	1619	79
0001107446	1619	79
0001107447	1619	79
0001107478	1899	82
0001107479	1899	82
0001108001	0482	73
0001108002	0482	73
0001108003	0482	73
0001108007	0482	73
0001108009	0482	73

Bosch	Nº ZEN	Pg.
0001108010	0482	73
0001108011	0482	73
0001108012	0482	73
0001108016	0482	73
0001108017	0482	73
0001108018	0482	73
0001108019	0482	73
0001108022	0482	73
0001108023	0482	73
0001108024	0482	73
0001108026	0482	73
0001108027	0482	73
0001108028	0482	73
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0001108030	0482	73
0001108031	0482	73
0001108035	0482	73
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0001108043	0482	73
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0001108048	0482	73
0001108051	0482	73
0001108052	0482	73
0001108053	0482	73
0001108056	0482	73
0001108061	0482	73
0001108062	0482	73
0001108064	0482	73
0001108072	0482	73
0001108073	0482	73
0001108074	0482	73
0001108078	0482	73
0001108079	0482	73
0001108080	0482	73
0001108081	0482	73
0001108085	0482	73
0001108086	0482	73
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0001108089	0482	73
0001108090	0482	73
0001108093	0482	73
0001108098	0482	73
0001108101	0482	73
0001108102	0482	73
0001108107	0482	73
0001108112	0482	73
0001108113	0482	73
0001108120	0482	73
0001108124	0482	73
0001108125	0482	73
0001108126	0482	73
0001108130	0482	73
0001108136	0482	73
0001108143	0482	73

Bosch	Nº ZEN	Pg.
0001108148	0482	73
0001108149	0482	73
0001108150	0482	73
0001108153	0482	73
0001108171	0976	77
0001108176	0976	77
0001108180	1058	77
0001108182	1058	77
0001108183	1031	77
0001108183	1037	77
0001108184	0976	77
0001108186	1058	77
0001108217	1031	77
0001108217	1037	77
0001108218	1031	77
0001108218	1037	77
0001108420	1899	82
0001108421	1899	82
0001108450	1899	82
0001108451	1899	82
0001108456	1899	82
0001108457	1899	82
0001109014	1031	77
0001109014	1037	77
0001109014	1057	77
0001109036	1031	77
0001109036	1037	77
0001109205	1642	80
0001109250	1031	77
0001109300	1650	80
0001109301	1650	80
0001109304	1642	80
0001109305	1642	80
0001109306	1650	80
0001109307	1650	80
0001109324	1642	80
0001109325	1642	80
0001109387	1642	80
0001109388	1642	80
0001109391	1642	80
0001109392	1642	80
0001110009	0613	74
0001110010	0613	74
0001110012	0482	73
0001110022	0482	73
0001110023	0482	73
0001110027	0482	73
0001110029	0482	73
0001110030	0482	73
0001110045	0482	73
0001110046	0482	73
0001110048	0482	73
0001110049	0482	73
0001110052	0482	73
0001110100	0482	73

Bosch	Nº ZEN	Pg.
0001110101	0482	73
0001110106	0482	73
0001110107	0482	73
0001110112	1031	77
0001110112	1037	77
0001110122	0482	73
0001110128	0482	73
0001112005	0482	73
0001112007	0482	73
0001112007	0976	77
0001112008	0482	73
0001112013	0482	73
0001112015	0482	73
0001112019	0976	77
0001112021	0482	73
0001112025	0482	73
0001112027	0482	73
0001112028	0482	73
0001112029	0482	73
0001112041	0976	77
0001112044	0482	73
0001113001	0482	73
0001113004	0482	73
0001113007	0482	73
0001113013	0482	73
0001114003	0482	73
0001114015	0482	73
0001114016	0482	73
0001115001	1031	77
0001115001	1037	77
0001115006	0976	77
0001115008	1031	77
0001115008	1037	77
0001115088	1874	81
0001115089	1874	81
0001115092	1874	81
0001115093	1874	81
0001115174	1696	80
0001116003	0976	77
0001121006	1108	78
0001121007	1108	78
0001121010	1108	78
0001121011	1108	78
0001122412	1914	82
0001122413	1914	82
0001123036	1856	81
0001123038	1856	81
0001123039	1856	81
0001123044	1856	81
0001124001	0937	76
0001124005	0937	76
0001124006	0937	76
0001124028	1919	82
0001124029	1919	82
0001125001	0937	76

Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.	Bosch	Nº ZEN	Pg.
0001125002	0937	76	0001208206	0108	71	0001211229	0108	71	0001218115	0631	74
0001125007	0937	76	0001208208	0108	71	0001211230	0068	71	0001218118	1070	77
0001125008	0937	76	0001208209	0108	71	0001211233	0068	71	0001218120	0631	74
0001125011	0937	76	0001208211	0108	71	0001211234	0068	71	0001218135	0573	74
0001125012	0937	76	0001208216	0108	71	0001211235	0068	71	0001218136	0573	74
0001125013	0937	76	0001208217	0108	71	0001211236	0068	71	0001218152	0875	76
0001125031	0937	76	0001208224	0108	71	0001211242	0108	71	0001218157	1072	77
0001125625	1919	82	0001208225	0108	71	0001211244	0068	71	0001218159	0875	76
0001125626	1919	82	0001208226	0108	71	0001211245	0068	71	0001218168	0861	76
0001139023	2014	83	0001208227	0108	71	0001211247	0068	71	0001218174	0875	76
0001139024	2014	83	0001208228	0108	71	0001211248	0068	71	0001218176	1070	77
0001139031	2014	83	0001208229	0108	71	0001211249	0068	71	0001218177	0573	74
0001139032	2014	83	0001208233	0108	71	0001211255	0323	73	0001218774	0875	76
0001157024	0108	71	0001208400	0108	71	0001211256	0323	73	0001218776	1070	77
0001157025	0108	71	0001208405	0108	71	0001211257	0323	73	0001219004	0631	74
0001157028	0108	71	0001208411	0323	73	0001211258	0323	73	0001219008	0631	74
0001157029	0108	71	0001208412	0323	73	0001211500	0482	73	0001223001	1643	80
0001157030	0108	71	0001208416	0323	73	0001211501	0482	73	0001223003	1158	78
0001160003	0131	72	0001208417	0323	73	0001211502	0482	73	0001223005	1629	80
0001160013	0131	72	0001208418	0323	73	0001211503	0482	73	0001223006	1629	80
0001170422	1939	82	0001208501	0482	73	0001211504	0482	73	0001223007	1158	78
0001170423	1939	82	0001208507	0482	73	0001211505	0482	73	0001223010	1022	77
0001174600	1982	82	0001208510	0482	73	0001211510	0482	73	0001223013	1022	77
0001174601	1982	82	0001208515	0482	73	0001211514	0482	73	0001223024	1158	78
0001179518	1985	82	0001208516	0482	73	0001211525	0482	73	0001223500	1026	77
0001179519	1985	82	0001208517	0482	73	0001211536	0482	73	0001230002	1952	82
0001201009	0015	71	0001208518	0482	73	0001211992	0065	71	0001230004	1159	78
0001201010	0015	71	0001208528	0482	73	0001211992	0323	73	0001230008	1159	78
0001203008	0015	71	0001208705	0482	73	0001211993	0065	71	0001231001	1159	78
0001203024	0015	71	0001208707	0482	73	0001211993	0323	73	0001231009	1159	78
0001203025	0015	71	0001208709	0482	73	0001211998	0323	73	0001231012	1159	78
0001203026	0015	71	0001208710	0482	73	0001214001	0223	72	0001231016	1159	78
0001205017	0015	71	0001208711	0482	73	0001217174	0875	76	0001231026	1159	78
0001207001	0119	72	0001208713	0482	73	0001218001	0631	74	0001231027	1159	78
0001207002	0119	72	0001208714	0482	73	0001218004	0631	74	0001231039	1159	78
0001207003	0223	72	0001208717	0482	73	0001218005	0631	74	0001262021	1159	78
0001207006	0223	72	0001209001	0223	72	0001218008	0631	74	0001304002	0015	71
0001207012	0223	72	0001209006	0223	72	0001218009	0573	74	0001304012	0015	71
0001207014	0223	72	0001209014	0223	72	0001218010	0631	74	0001304013	0015	71
0001207015	0223	72	0001211012	0131	72	0001218011	0573	74	0001305008	0015	71
0001207016	0131	72	0001211020	0223	72	0001218012	0631	74	0001310005	0223	72
0001207018	0131	72	0001211146	0857	76	0001218013	0631	74	0001310007	0119	72
0001207019	0131	72	0001211207	0108	71	0001218014	0875	76	0001310010	0223	72
0001208004	0223	72	0001211209	0068	71	0001218017	0631	74	0001310013	0223	72
0001208006	0119	72	0001211210	0068	71	0001218018	0631	74	0001311007	0223	72
0001208006	0223	72	0001211213	0068	71	0001218019	0875	76	0001311016	0223	72
0001208007	0223	72	0001211214	0068	71	0001218024	0875	76	0001311025	0223	72
0001208017	0119	72	0001211215	0108	71	0001218025	0631	74	0001311041	0068	71
0001208032	0223	72	0001211216	0068	71	0001218026	0573	74	0001311045	0223	72
0001208053	0068	71	0001211217	0068	71	0001218027	0573	74	0001311046	0068	71
0001208054	0068	71	0001211218	0068	71	0001218028	0573	74	0001311049	0068	71
0001208055	0068	71	0001211219	0068	71	0001218101	0875	76	0001311101	0108	71
0001208200	0108	71	0001211220	0068	71	0001218102	0875	76	0001311103	0108	71
0001208201	0108	71	0001211223	0323	73	0001218103	0875	76	0001311104	0108	71
0001208202	0108	71	0001211224	0323	73	0001218107	0631	74	0001311105	0108	71

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0001311106	0108	71	0001355004	0227	72	0001359111	0105	71	0001360061	1364	79
0001311107	0108	71	0001358030	0034	71	0001359111	1364	79	0001360064	0392	73
0001311108	0108	71	0001358049	0301	72	0001359112	0392	73	0001360065	0105	71
0001311109	0108	71	0001358201	0313	72	0001359113	0105	71	0001360065	1364	79
0001311110	0108	71	0001358202	0313	72	0001359113	1364	79	0001362032	0310	72
0001311112	0108	71	0001359004	0392	73	0001359118	0105	71	0001362038	0228	72
0001311114	0108	71	0001359008	0118	72	0001359118	1364	79	0001362039	0291	72
0001311117	0108	71	0001359012	0301	72	0001359119	0105	71	0001362047	0228	72
0001311118	0108	71	0001359014	0301	72	0001359119	1364	79	0001362062	0291	72
0001311120	0108	71	0001359025	0301	72	0001359124	0392	73	0001362064	0378	73
0001311121	0108	71	0001359027	0301	72	0001360004	0105	71	0001362069	0228	72
0001311122	0108	71	0001359031	0105	71	0001360004	1364	79	0001362070	0228	72
0001311124	0108	71	0001359031	1364	79	0001360025	0105	71	0001362073	0291	72
0001311125	0108	71	0001359043	0301	72	0001360025	1364	79	0001362077	0228	72
0001311126	0108	71	0001359053	0392	73	0001360027	0105	71	0001362078	0228	72
0001311127	0108	71	0001359055	0105	71	0001360027	1364	79	0001362083	0228	72
0001311131	0108	71	0001359055	1364	79	0001360029	0392	73	0001362102	0291	72
0001311132	0108	71	0001359056	0392	73	0001360030	0105	71	0001362301	0378	73
0001311136	0108	71	0001359057	0105	71	0001360030	1364	79	0001362303	0378	73
0001311137	0108	71	0001359057	1364	79	0001360031	0105	71	0001362304	0378	73
0001311139	0108	71	0001359060	0392	73	0001360031	1364	79	0001362307	0528	74
0001311140	0108	71	0001359062	0105	71	0001360032	0105	71	0001362322	0291	72
0001311141	0108	71	0001359062	1364	79	0001360032	1364	79	0001362323	0291	72
0001311143	0108	71	0001359064	0118	72	0001360033	0392	73	0001362600	0228	72
0001311145	0108	71	0001359067	0118	72	0001360034	0105	71	0001362601	0228	72
0001311147	0108	71	0001359071	0105	71	0001360034	1364	79	0001362605	0228	72
0001314012	0065	71	0001359071	1364	79	0001360035	0105	71	0001363101	0310	72
0001314012	0323	73	0001359072	0105	71	0001360035	1364	79	0001363111	0291	72
0001314013	0323	73	0001359072	1364	79	0001360036	0105	71	0001363118	0378	73
0001314014	0068	71	0001359073	0105	71	0001360036	1364	79	0001363122	0291	72
0001314015	0068	71	0001359073	1364	79	0001360037	0105	71	0001364101	0392	73
0001314018	0108	71	0001359074	0105	71	0001360037	1364	79	0001364102	0392	73
0001314026	0857	76	0001359074	1364	79	0001360038	0105	71	0001364103	0392	73
0001314027	0857	76	0001359075	0392	73	0001360038	1364	79	0001364104	0392	73
0001314028	0857	76	0001359076	0392	73	0001360039	0105	71	0001364108	0105	71
0001314029	0857	76	0001359083	0105	71	0001360039	1364	79	0001364108	1364	79
0001314030	0857	76	0001359083	1364	79	0001360040	0105	71	0001365005	0118	72
0001314033	0857	76	0001359084	0105	71	0001360040	1364	79	0001365007	0105	71
0001314034	0857	76	0001359084	1364	79	0001360041	0392	73	0001365007	1364	79
0001314035	0857	76	0001359087	0105	71	0001360042	0392	73	0001365008	0105	71
0001314036	0857	76	0001359087	1364	79	0001360046	0105	71	0001365008	1364	79
0001314037	0857	76	0001359089	0105	71	0001360046	1364	79	0001366008	0378	73
0001314038	0857	76	0001359089	1364	79	0001360047	0105	71	0001367008	0378	73
0001316004	0857	76	0001359090	0497	73	0001360047	1364	79	0001367009	0378	73
0001352003	0015	71	0001359091	0105	71	0001360049	0105	71	0001367013	0378	73
0001354010	0227	72	0001359091	1364	79	0001360049	1364	79	0001367015	0378	73
0001354029	0227	72	0001359097	0105	71	0001360050	0118	72	0001367018	0378	73
0001354034	0227	72	0001359097	1364	79	0001360054	0392	73	0001367024	0378	73
0001354036	0227	72	0001359099	0392	73	0001360056	0105	71	0001367032	0378	73
0001354040	0227	72	0001359100	0105	71	0001360056	1364	79	0001367043	0378	73
0001354046	0227	72	0001359100	1364	79	0001360057	0105	71	0001367067	0378	73
0001354049	0227	72	0001359101	0105	71	0001360057	1364	79	0001368006	0378	73
0001354065	0227	72	0001359101	1364	79	0001360059	0105	71	0001368009	0378	73
0001354084	0105	71	0001359106	0392	73	0001360059	1364	79	0001368015	0378	73
0001354084	1364	79	0001359108	0392	73	0001360061	0105	71	0001368025	0378	73

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0001368039	0378	73	9000082077	0065	71	9000083068	1364	79	9000453025	0070	71
0001368041	0378	73	9000082078	0108	71	9000083071	0497	73	9000453028	0024	71
0001368046	0378	73	9000083001	0034	71	9000083074	0105	71	9000453028	1359	79
0001368049	0378	73	9000083011	0034	71	9000083074	1364	79	9000453032	0024	71
0001368050	0378	73	9000083012	0034	71	9000083075	0497	73	9000453032	1359	79
0001368058	0378	73	9000083014	0034	71	9000083076	0497	73	9000453034	0024	71
0001368071	0378	73	9000083018	0034	71	9000083077	1372	79	9000453034	1359	79
0001369009	0378	73	9000083020	0034	71	9000141116	0108	71	9000453038	0024	71
0986016950	1643	80	9000083027	0105	71	9000142001	0108	71	9000453038	1359	79
0986021640	1650	80	9000083027	1364	79	9000142002	0108	71	9000453041	0024	71
0986021810	1642	80	9000083028	0105	71	9000142003	0108	71	9000453041	1359	79
9000062014	0108	71	9000083028	1364	79	9000142102	0108	71	9000453042	0024	71
9000081001	12685	85	9000083029	0034	71	9000143305	0392	73	9000453042	1359	79
9000081002	12685	85	9000083031	0105	71	9000143408	0228	72	9000453043	0024	71
9000081004	12683	85	9000083031	1364	79	9000331201	1070	77	9000453043	1359	79
9000081006	12681	85	9000083035	0118	72	9000331203	1070	77	9000453046	0024	71
9000081007	12681	85	9000083036	0105	71	9000331406	1174	78	9000453046	1359	79
9000082001	0015	71	9000083036	1364	79	9000331414	1072	77	9000453047	0024	71
9000082009	0065	71	9000083038	0118	72	9000331415	1070	77	9000453047	1359	79
9000082015	0015	71	9000083041	0118	72	9000331418	0838	75	9000453049	0024	71
9000082017	0115	72	9000083042	0118	72	9000331419	0796	75	9000453049	1359	79
9000082020	0034	71	9000083045	0105	71	9000331421	1173	78	9000453050	0024	71
9000082024	0108	71	9000083045	1364	79	9000331424	1173	78	9000453050	1359	79
9000082025	0108	71	9000083046	0105	71	9000331428	1173	78	9000453051	0024	71
9000082030	0068	71	9000083046	1364	79	9000331432	0861	76	9000453051	1359	79
9000082032	0065	71	9000083050	0105	71	9000331433	0861	76	9000453052	0024	71
9000082033	0108	71	9000083050	1364	79	9000333104	0482	73	9000453052	1359	79
9000082034	0065	71	9000083051	0118	72	9000333105	0108	71	9000453054	0024	71
9000082035	0108	71	9000083052	0105	71	9000333106	0482	73	9000453054	1359	79
9000082036	0108	71	9000083052	1364	79	9000333109	0482	73	9000453055	0056	71
9000082041	0108	71	9000083053	0105	71	9000333114	0482	73	9000453059	0024	71
9000082042	0108	71	9000083053	1364	79	9000333117	0482	73	9000453059	1359	79
9000082043	0108	71	9000083054	0105	71	9000334102	0108	71	9000453061	0024	71
9000082045	0068	71	9000083054	1364	79	9000453001	0024	71	9000453061	1359	79
9000082046	0065	71	9000083055	0118	72	9000453001	1359	79	9000453073	0118	72
9000082047	0065	71	9000083056	0105	71	9000453004	0024	71	9000453074	0497	73
9000082048	0108	71	9000083056	1364	79	9000453004	1359	79	9000453075	0497	73
9000082049	0065	71	9000083058	0118	72	9000453005	0024	71	9000453076	0497	73
9000082050	0108	71	9000083059	0118	72	9000453005	1359	79	9000453082	0105	71
9000082051	0108	71	9000083060	0105	71	9000453006	0024	71	9000453083	0105	71
9000082054	0108	71	9000083060	1364	79	9000453006	1359	79	9000453086	0118	72
9000082055	0108	71	9000083061	0105	71	9000453009	0024	71	9000453089	0392	73
9000082058	0108	71	9000083061	1364	79	9000453009	1359	79	F000AL0128	1638	80
9000082059	0108	71	9000083062	0118	72	9000453011	0024	71	F000AL0143	1815	81
9000082062	0323	73	9000083063	0105	71	9000453011	1359	79	F000AL0149	1815	81
9000082063	0108	71	9000083063	1364	79	9000453014	0024	71	F000AL0159	1845	81
9000082064	0108	71	9000083064	0105	71	9000453014	1359	79	F000AL0502	12841	85
9000082065	0108	71	9000083064	1364	79	9000453015	0024	71	F000AL0507	12841	85
9000082067	0108	71	9000083065	0105	71	9000453015	1359	79	F000AL0700	0118	72
9000082069	0108	71	9000083065	1364	79	9000453016	0024	71	F000CD0100	1712	80
9000082071	0108	71	9000083066	0105	71	9000453016	1359	79	F000CD0800	1712	80
9000082073	0065	71	9000083066	1364	79	9000453017	0024	71	F000CD0801	1712	80
9000082074	0108	71	9000083067	0105	71	9000453017	1359	79	F000CD08A0	1712	80
9000082075	0108	71	9000083067	1364	79	9000453019	0024	71	F000CD08A1	1712	80
9000082076	0108	71	9000083068	0105	71	9000453019	1359	79	F006AL0602	0497	73

Bosch	Nº ZEN	Pg.
F006ALO602	0497	73
<b>Cargo</b>	<b>Nº ZEN</b>	<b>Pg.</b>
330265	1642	80
<b>Chrysler</b>	<b>Nº ZEN</b>	<b>Pg.</b>
200	1877	81
4091950	0495	73
4111855	0495	73
4145359	0495	73
4240449	0495	73
40911920	0495	73
045532026F	1070	77
04801839AB	1877	81
4801839AC	1877	81
68080459AA	1899	82
RL801839AB	1877	81
<b>Citroen</b>	<b>Nº ZEN</b>	<b>Pg.</b>
9675660680	1982	82
<b>Citroën</b>	<b>Nº ZEN</b>	<b>Pg.</b>
5802AQ	1650	80
9807775680	1755	80
<b>Dacia</b>	<b>Nº ZEN</b>	<b>Pg.</b>
7711497567	1756	80
8200306595	1756	80
8200836473	1756	80
<b>Denso</b>	<b>Nº ZEN</b>	<b>Pg.</b>
281000L180	2004	83
4280005510	1942	82
4280005511	1942	82
4280007200	1877	81
4280009391	1877	81
4280009500	1877	81
4380000410	1942	82
4380001790	2004	83
4380002400	1935	82
4380004420	1935	82
BC4280009391	1877	81
BC4280009500	1877	81
BC4380002590	1877	81
TG4380001790	2004	83
<b>Dodge</b>	<b>Nº ZEN</b>	<b>Pg.</b>
68080459AA	1899	82
<b>Ducellier</b>	<b>Nº ZEN</b>	<b>Pg.</b>
6020	0463	73
6035	0463	73
6081	0463	73
6020E	0463	73
6020F	0463	73
6035F	0463	73
6081E	0463	73
6081F	0463	73
<b>Facet</b>	<b>Nº ZEN</b>	<b>Pg.</b>
26211M/T	0064	71
<b>Femsa</b>	<b>Nº ZEN</b>	<b>Pg.</b>
MTD121	0713	75
MTS121	0120	72

Femsa	Nº ZEN	Pg.
MTD12H5	0713	75
MTS1222	0120	72
MTS1223	0120	72
MTS1229	0120	72
MTS1234	0120	72
MTS1239	0120	72
MTS1242	0120	72
MTS1247	0120	72
MTS1248	0120	72
MTS12P2	0120	72
MTS12P19	0120	72
MTS12P20	0120	72
MTS12P29	0120	72
MTS12V13	0120	72
MTS12V25	0120	72
<b>Fiat</b>	<b>Nº ZEN</b>	<b>Pg.</b>
852962	0953	76
4064058	0713	75
4104783	0953	76
4142222	0120	72
4142223	0120	72
4143828	0120	72
4152196	0120	72
4181961	0120	72
4198226	0120	72
4198227	0120	72
4198600	0120	72
4198601	0120	72
4204698	0120	72
4204699	0120	72
4229113	0120	72
4229114	0120	72
4392461	0857	76
4470378	0389	73
4474805	0120	72
4474917	0120	72
4692477	0407	73
4699704	0407	73
4699705	0407	73
4701920	0407	73
4702248	0407	73
4706008	0407	73
4706931	0407	73
4710224	0407	73
4711699	0407	73
4713805	0407	73
4713806	0407	73
4713807	0407	73
4737754	0407	73
4737755	0407	73
4737756	0407	73
4741699	0407	73
4745849	0407	73
4745930	0407	73
4752212	0407	73

Fiat	Nº ZEN	Pg.
4752403	0407	73
4752912	0407	73
4759929	0407	73
5984563	0631	74
5985182	0631	74
5997307	0857	76
5997309	0857	76
MSN2026	1650	80
51787218	1899	82
51808557	1899	82
51911199	1877	81
51911200	1877	81
51978233	1877	81
52014723	1939	82
53100008	0806	75
63521093	1650	80
82374433	0389	73
131955508	1025	77
134705880	1840	81
517872180	1899	82
1347058080	1650	80
68073160AA	0806	75
<b>Ford</b>	<b>Nº ZEN</b>	<b>Pg.</b>
26211	0064	71
26291	0064	71
SA1004	1676	80
1731711	2014	83
1740948	2014	83
1741089	2014	83
1745176	2014	83
1745178	2014	83
SAE674A	0184	72
98VB11000	0907	76
BC3Z11002A	1676	80
D27Z11002A	0184	72
D2TZ11002A	0184	72
D37Z11002A	0184	72
DL3Z11002A	1942	82
2C3T11000AA	1676	80
3S4T11000AB	1585	79
3S4T11000AC	1585	79
3S4Z11002AB	1585	79
6E5T11000AB	1764	80
7C2T11000BA	1676	80
7C3T11000AA	1676	80
7C3T11000AB	1676	80
7C3T11000BA	1676	80
7C3Z11002AA	1676	80
8A3911000BF	1756	80
8V2111000BC	1756	80
8V2111000BD	1756	80
8V2111000BE	1756	80
97VB11000AB	0907	76
AB3911000AA	1807	81
AB3911000BA	1807	81

Ford	Nº ZEN	Pg.
AB3911000CA	1764	80
AC1T11000AA	1874	81
BC3T11000AB	1676	80
BR3T11000AC	2039	83
CC1T11000AB	1874	81
CC1T11000BA	1874	81
CC1T11000BB	1874	81
CC1T11000DA	2014	83
CC1T11000DB	2014	83
CC1T11000DC	2014	83
CC1T11000EA	2014	83
CC1T11000EB	2014	83
CC1T11000EC	2014	83
D2TZ110002A	0184	72
DL3T11000AA	1942	82
EC3511001BA	1845	81
F81U11000AC	0959	76
F87U11000DD	1217	78
YC1U11000AB	1539	79
98VB11000B3A	0907	76
DL3Z11002AFC	1942	82
<b>General Motors/</b>	<b>Nº ZEN</b>	<b>Pg.</b>
12655055	1761	80
12663053	1935	82
12678752	1935	82
24584626	1946	82
24585283	1946	82
24588465	1946	82
55564374	1776	81
93297652	10003	83
93297652	12720	85
93297653	10003	83
93297653	12720	85
93303527	10003	83
93303527	12720	85
93304772	10003	83
93304772	12720	85
93327502	10003	83
93327502	12720	85
93374341	10003	83
93374341	12720	85
93374342	10003	83
93374342	12720	85
93384398	10003	83
93384398	12720	85
94021044	0141	72
94022494	0141	72
94022494	0351	73
94024438	0141	72
183117860	1761	80
<b>Hitachi</b>	<b>Nº ZEN</b>	<b>Pg.</b>
S1391	0844	75
S10863	0349	73
S10889	0349	73
S11423	0141	72

Hitachi	Nº ZEN	Pg.
S11471	0141	72
S11472	0141	72
S11487	0141	72
S11488	0141	72
S11491	0141	72
S11492	0141	72
S13106	1862	81
S13126	1862	81
S14455	0141	72
525131A	0580	74
525155D	0580	74
S114100	0141	72
S114103	0141	72
S114108	0141	72
S114118	0141	72
S114121	0141	72
S114122	0141	72
S114126	0351	73
S114131	0141	72
S114133	0141	72
S114134	0141	72
S114136	0141	72
S114140	0349	73
S114141	0349	73
S114143	0141	72
S114149	0349	73
S114150	0141	72
S114156	0141	72
S114160	0349	73
S114162	0349	73
S114163	0349	73
S114164	0349	73
S114170	0351	73
S114171	0351	73
S114172	0351	73
S114173	0351	73
S114174	0351	73
S114177	0351	73
S114180	0351	73
S114181	0351	73
S114182	0351	73
S114192	0141	72
S114197	0351	73
S114202	0351	73
S114210	0349	73
S114211	0349	73
S114218	0351	73
S114227	0349	73
S114229	0351	73
S11423K	0141	72
S114240	0351	73
S114247	0351	73
S114248	0351	73
S114271	0349	73
S114295	0351	73

Hitachi	Nº ZEN	Pg.
S114298	0351	73
S114301	0351	73
S114313	0351	73
S114319	0499	74
S114320	0499	74
S114343	0351	73
S114348	0499	74
S114376	0499	74
S114381	0351	73
S114382	0351	73
S114389	0499	74
S114390	0499	74
S114391	0499	74
S114413	0499	74
S114426	0499	74
S114505	0634	74
S114509	0634	74
S114526	0634	74
S114527	0634	74
S114603	0499	74
S114604	0499	74
S114607	0499	74
S114608	0351	73
S11487L	0141	72
S11487M	0141	72
S11487P	0141	72
S11491K	0141	72
S11492K	0141	72
S13106B	1862	81
S144192	0141	72
S144301	0351	73
S114103K	0141	72
S114103L	0141	72
S114103M	0141	72
S114103N	0141	72
S114103P	0141	72
S114108L	0141	72
S114121N	0141	72
S114122N	0141	72
S114126L	0351	73
S114126M	0351	73
S114160A	0349	73
S114160B	0349	73
S114160D	0349	73
S114160E	0349	73
S114160F	0349	73
S114162C	0349	73
S114162D	0349	73
S114163B	0349	73
S114163E	0349	73
S114170B	0351	73
S114170E	0351	73
S114171A	0351	73
S114171D	0351	73
S114172A	0351	73

Hitachi	Nº ZEN	Pg.
S114172D	0351	73
S114172E	0351	73
S114173B	0351	73
S114173E	0351	73
S114173F	0351	73
S114180F	0351	73
S114180M	0351	73
S114182G	0351	73
S114202A	0351	73
S114218A	0351	73
S114229E	0351	73
S114229F	0351	73
S114247A	0351	73
S114247C	0351	73
S114320A	0499	74
S114348A	0499	74
S114389A	0499	74
S114390A	0499	74
S114391A	0499	74
S114413A	0499	74
S114526A	0634	74
S114527A	0634	74
S114607A	0499	74
S114607C	0499	74
S1143766B	0499	74
Honda	Nº ZEN	Pg.
31200RAA43	1849	81
31200634005	0349	73
31200634670	0349	73
31200634671	0349	73
31200634811	0349	73
31200657005	0349	73
31200657015	0349	73
31200657025	0349	73
31200673015	0349	73
31200679035	0349	73
31200679052	0349	73
31200RAAA51	1849	81
31200RAAA52	1849	81
31200RNAA50	1849	81
31200RNAA51	1849	81
31200RAAA51RM	1849	81
Hyundai	Nº ZEN	Pg.
361004A100	1794	81
361004A150	1794	81
Ishikawajima	Nº ZEN	Pg.
185086320	0351	73
185086321	0351	73
Iskra	Nº ZEN	Pg.
AZF3509	0926	76
AZF3513	0926	76
AZF3515	0926	76
AZF3517	0926	76
AZF3524	0926	76
AZF3528	0926	76

Iskra	Nº ZEN	Pg.
AZF3531	0926	76
AZF3545	0926	76
AZF3547	0926	76
AZF3549	0926	76
AZF3559	0926	76
11130193	0926	76
11130224	0926	76
11130244	0926	76
11130291	0926	76
11130300	0228	72
11130338	0926	76
11130346	0926	76
11130378	0926	76
11130392	0926	76
11130395	0926	76
11130418	0926	76
Isuzu	Nº ZEN	Pg.
5811001300	0351	73
5811001370	0351	73
8104550190	1189	78
8821001260	0141	72
8941305600	0351	73
8942010201	0141	72
8942044380	0351	73
8942045380	0351	73
8942134065	0351	73
8942135381	0351	73
8942138220	0351	73
8942226880	0349	73
8942226880	0351	73
8942243880	0351	73
8942340650	0351	73
9821001260	0141	72
9821006060	0141	72
9821006350	0141	72
Italacciai	Nº ZEN	Pg.
25142A	0280	84
26211M	0064	71
27501A	0541	74
D8E081	0248	72
D9R073	0656	74
D9R091	0657	74
4469987	0389	73
4699705	0407	73
MTS1201	0120	72
S114140	0349	73
28002150	0184	72
280002681	0353	73
23300N3301	0351	73
63216740MT67CA	0407	73
Iveco	Nº ZEN	Pg.
471169	2002	82
475930	2002	82
479664	2002	82
4719664	2002	82

Iveco	Nº ZEN	Pg.
4807374	2002	82
4856056	2002	82
42498138	2002	82
42498149	2002	82
42498505	2002	82
55195967	1840	81
55195970	1650	80
77028560	2002	82
99451753	0875	76
99451753	2002	82
504357110	1159	78
5801405959	1815	81
Jeep	Nº ZEN	Pg.
8982775013	1189	78
John Deere	Nº ZEN	Pg.
AL81154	1952	82
RE50326	1952	82
Kubota	Nº ZEN	Pg.
1542563011	1957	82
1550163012	1957	82
1551163011	1957	82
1552163012	1957	82
1961663012	1957	82
Lancia	Nº ZEN	Pg.
51787218	1899	82
Lester	Nº ZEN	Pg.
6696	1676	80
10910	1761	80
16046	1946	82
16348	1935	82
17870	1849	81
17958	1849	81
17960	1849	81
18361	1952	82
19247	1942	82
19616	1877	81
19794	2002	82
30210	2005	83
30229	2014	83
30236	1985	82
30272	2014	83
30629	1807	81
30839	1982	82
Lucas Indiel	Nº ZEN	Pg.
26312	0064	71
26338	0064	71
26339	0064	71
26395	0064	71
27575	0486	73
S5012	0064	71
26312A	0064	71
26335A	0486	73
270508	0486	73
27436A	0486	73
27443A	0486	73

Lucas Indiel	Nº ZEN	Pg.
27556A	0486	73
LRS2223	1650	80
26211M/T	0064	71
26227A/Q	0064	71
26233K/M	0486	73
26286F/J	0486	73
26291A/D	0064	71
26305A/B	0064	71
26317B/H	0398	73
26320D/J	0486	73
26348A/D	0486	73
26350A/B	0064	71
26355A/J	0398	73
26356A/M	0398	73
26361A/E	0398	73
26388A/F	0398	73
26407A/F	0398	73
27419A/D	0486	73
27449A/D	0486	73
27462A/B	0486	73
27508A/D	0486	73
27509A/B	0486	73
27533A/E	0486	73
27543A/D	0486	73
27545A/B	0486	73
27546A/B	0486	73
27551A/B	0486	73
27552A/B	0486	73
27558A/E	0486	73
35257880	0771	75
35258240	0772	75
35258370	0915	76
35258380	0468	73
35258400	1134	78
35258420	1134	78
35258430	0915	76
35258440	0826	75
35258460	1134	78
35258490	1635	80
35258540	0978	77
35258560	1134	78
35258580	0991	77
35258660	1635	80
35258710	0978	77
35258720	1134	78
35258730	0915	76
35258840	1134	78
35258910	0991	77
35259040	1635	80
35259170	0916	76
35259400	1635	80
35259680	1596	79
35259750	1596	79
35260828	1635	80
35261305	0991	77

Lucas Indiel	Nº ZEN	Pg.
35261355	1596	79
35261425	1596	79
LRS02223	1650	80
25276AM35	0280	84
25329AM35	1188	78
25345AM35	0280	84
26312AM50	0064	71
25142AHM35	0280	84
25148AJM35	0280	84
25165ADM35	1188	78
25274ADM35	1188	78
25348A5M90	1188	78
26211MTM50	0064	71
26291ADM50	0064	71
26305ABM50	0064	71
26317BDM50	0398	73
26356ABM50	0398	73
26407AEM50	0398	73
25264AF5M90	1188	78
Magneti Marelli	Nº ZEN	Pg.
MT68Q	0910	76
MT68QA	0910	76
63114014	1025	77
63216701	0407	73
63216703	0407	73
63216707	0407	73
63216725	0407	73
63216726	0407	73
63216727	0407	73
63216740	0407	73
63216808	0407	73
63216810	0407	73
63216815	0910	76
63216825	0407	73
63216826	0407	73
63216827	0407	73
63216851	0910	76
63216873	0407	73
63216898	0407	73
63217101	0407	73
63217104	0407	73
63217105	0407	73
63217118	0407	73
63217119	0407	73
63217120	0407	73
63217125	0407	73
63217147	0407	73
63217201	0407	73
63217225	0407	73
63217403	0910	76
63220700	0120	72
63220701	0120	72
63220702	0120	72
63220705	0120	72
63220706	0120	72

Magneti Marelli	Nº ZEN	Pg.
63220720	0120	72
63220721	0120	72
63220723	0120	72
63220724	0120	72
63220731	0120	72
63220740	0120	72
63220741	0120	72
63220743	0120	72
63220744	0120	72
63220746	0120	72
63220800	0120	72
63220833	0120	72
63220834	0120	72
63220836	0120	72
63220900	0120	72
63220932	0120	72
63220940	0120	72
63221300	0120	72
63221308	0389	73
63221338	0389	73
63221400	0389	73
63221401	0389	73
63221430	0389	73
63221431	0389	73
63221508	0389	73
63221538	0389	73
63221637	0389	73
63221800	0786	75
63221830	0786	75
63221832	0786	75
63221834	0786	75
63221890	0786	75
63221892	0786	75
63222000	1117	78
63222004	1117	78
63222030	1117	78
63222034	1117	78
63222038	1117	78
63222130	1117	78
63222134	1117	78
63222135	1117	78
63222138	1117	78
63222831	0786	75
63222832	0786	75
63222833	0786	75
63222836	0786	75
63222837	0786	75
63222838	0786	75
63222897	0786	75
63223001	0786	75
63223031	0786	75
63223032	0786	75
63223033	0786	75
63223034	0786	75
63223897	0953	76

Magneti Marelli	Nº ZEN	Pg.
83226569	1025	77
85541700	1025	77
E1154/24	0953	76
Mando	Nº ZEN	Pg.
MG122423	1667	80
MG122565	1667	80
K71F18400	1601	79
OK24118400A	0499	74
Maserati	Nº ZEN	Pg.
A00518085570	1899	82
Mazda	Nº ZEN	Pg.
57818400	0184	72
PE0118400	1876	81
PE0718400	1876	81
PY0118400	1876	81
Mercedes Benz	Nº ZEN	Pg.
0051511301	1023	77
51512501	1629	80
A0011510913	1070	77
A6519060026	1942	82
Mitsuba	Nº ZEN	Pg.
M61209	1849	81
SM61209	1849	81
SM71001	1849	81
SM71002	1849	81
Mitsubishi	Nº ZEN	Pg.
M0T24072	1761	80
M0T36571	0806	75
M0T37671	1764	80
M0T82081	0806	75
M0T86181	0806	75
M0T87681	1764	80
M0T87781	1764	80
M0T87881	1756	80
M0T88481	1764	80
M0T90685	1764	80
M0T93391	0806	75
M1T60281	0712	75
M1T80081	0806	75
M1T85781	0806	75
M1T90281	0806	75
M2T50571	1990	82
M2T54571	9791	84
M2T54572	9791	84
M2T56181	1047	77
M2T56182	1047	77
M2T56185	1047	77
M2T56271	1047	77
M2T57771	1047	77
M2T74171	1047	77
M2T80582	1024	77
M2T80772	0887	76
M2T84071	1024	77
M2T84171	1024	77
M2T84571	1024	77

Mitsubishi	Nº ZEN	Pg.
M2T87071	1024	77
M2T87171	1024	77
M2T87271	1024	77
M2T87371	1567	79
M2T87471	1024	77
M2T87871	1024	77
M2T87971	1567	79
M2T88071	1567	79
M2T88271	1567	79
M2TS0571	1990	82
M2TS0575	1990	82
M3T57575	0887	76
M3T67771	9791	84
M8I50071	0887	76
M8T50171	0887	76
M8T50271	0887	76
M8T50471	0887	76
M8T55171	0887	76
M8T55471	0887	76
M8T60073	0887	76
M8T60371	0887	76
M8T60372	0887	76
M8T60373	0887	76
M8T60374	0887	76
M8T60389	0887	76
M8T60471	0887	76
M8T60489	0887	76
M8T60571	0887	76
M8T60771	0887	76
M8T60773	0887	76
M8T60871	0887	76
M8T70071	1563	79
M8T70371	0887	76
M8T70971	0887	76
M8T71571	0887	76
M8T75073	1563	79
M8T75171	0887	76
M8T76071	1906	82
M8T77071	0887	76
M8T77072	0887	76
M8T77074	0887	76
M8T77075	0887	76
M8T78611	1563	79
M8T80071	0887	76
M8T80171	0887	76
M8T80371	0887	76
M8T80372	0887	76
M8T80373	0887	76
M8T80374	0887	76
M8T80772	0887	76
M8T80789	0887	76
M8T85071	0887	76
M8T85171	0887	76
M8T85271	0887	76
M8T85471	0887	76

Mitsubishi	Nº ZEN	Pg.
M8T85571	0887	76
M8T87071	0887	76
M8T87171	0887	76
MD011550	0184	72
MD069166	1047	77
MD070934	1047	77
MD084414	1047	77
MD164975	1047	77
MD164976	1047	77
MD315548	1024	77
ME012994	0887	76
ME012995	0887	76
ME013008	0887	76
ME014418	0887	76
ME202424	1563	79
ME202970	1563	79
ME204425	1563	79
M08T87881	0806	75
M8T75073A	1563	79
M8T80071A	0887	76
M8T80071B	0887	76
M8T85071A	0887	76
M8T85071B	0887	76
M8T85171A	0887	76
M8T85271B	0887	76
MT87781ZC	1764	80
M000T20771	1876	81
M000T24072	1761	80
M000T34171	1876	81
M000T36571	0806	75
M000T37671	1764	80
M000T39671	1876	81
M000T60181	0712	75
M000T87881	1756	80
M002T85971	1807	81
M002T86071	1807	81
M002T87071	1024	77
M002T87371	1567	79
M002T87671	1063	77
M002T87771	1063	77
M002T87971	1567	79
M002T88071	1567	79
M002T88271	1567	79
M002TS0571	1990	82
M002TS0575	1990	82
M002TS0673	1918	82
M008T75073	1563	79
M0T37671ZT	1764	80
M0T87781ZC	1764	80
M0T90685ZC	1764	80
M8T76071ZE	1906	82
M000T20771ZC	1876	81
M000T20777ZC	1876	81
M000T32175ZC	1761	80
M000T33871ZC	0806	75

Mitsubishi	Nº ZEN	Pg.
M000T33871ZT	0806	75
M000T37671ZT	1764	80
M000T82081ZE	0806	75
M000T88481ZC	1764	80
M000T88482ZC	1764	80
M002T85971ZT	1807	81
M002T86071ZT	1807	81
M002T87171ZT	1024	77
M002T87771ZA	1063	77
M002T88771ZA	1063	77
Motorcraft	Nº ZEN	Pg.
6S4Z11002AA	1585	79
Nippon	Nº ZEN	Pg.
0280006261	1957	82
0280007740	1957	82
0280008432	1957	82
0280008740	1957	82
0280009031	1957	82
0280009032	1957	82
1280000120	1957	82
1280000130	1957	82
1280000180	1957	82
1280000181	1957	82
1280000280	1957	82
1280000300	1957	82
1280000940	1957	82
1280000950	1957	82
1280001900	1957	82
1280002131	1957	82
1280002140	1957	82
1280002190	1957	82
1280004570	1957	82
1280005080	1957	82
1280005630	1957	82
1280005691	1957	82
1280006990	1957	82
1280007390	1555	79
1280007471	1957	82
1280008400	1555	79
1280009700	1863	81
1280009701	1863	81
1280009710	1555	79
1280009720	1555	79
2280000211	1957	82
2280000810	1863	81
2280000820	1555	79
2280000822	1555	79
2280000823	1555	79
2280000830	1555	79
2280000831	1555	79
2280000832	1555	79
2280000990	0818	75
2280000991	0818	75
2280001060	0818	75
2280001530	0818	75

Nippon	Nº ZEN	Pg.	Nippondenso	Nº ZEN	Pg.	Nippondenso	Nº ZEN	Pg.	Nissan	Nº ZEN	Pg.
2280001531	0818	75	280003240	0184	72	2280000340	0818	75	2330048300	0141	72
2280001910	1555	79	280003241	0184	72	2280001160	0818	75	2330048301	0141	72
2280002050	1863	81	280003320	0184	72	2280007390	0818	75	233004S100	0712	75
2280002051	1863	81	280003330	0184	72	2280007391	0818	75	233004S102	0712	75
2280002260	1863	81	280003331	0184	72	2280007392	0818	75	2330057M00	0499	74
2280002261	1863	81	280003332	0184	72	Nissan	Nº ZEN	Pg.	2330057M05	0499	74
2280002500	1555	79	280003500	0184	72				2330057N60	0634	74
2280003220	1555	79	280003800	0184	72	23300000	0499	74	233005X00C	1918	82
2280003990	1863	81	280003830	0184	72	233005002	0349	73	2330069690	0351	73
2280003991	1863	81	280003841	0184	72	233006900	0349	73	2330069960	0351	73
2280003992	1863	81	280003900	0184	72	23300B500	0349	73	233006K200	1862	81
2280004570	0818	75	280003901	0184	72	2330001N00	0634	74	233006T000	1862	81
2280005490	1555	79	280004030	0184	72	233000799R	1755	80	233006T001	1862	81
2280005670	1555	79	280004031	0184	72	2330008700	0141	72	2330078505	0141	72
2280005680	1555	79	280004032	0184	72	2330009500	0141	72	2330079400	0141	72
2280006170	1555	79	280004040	0184	72	2330009600	0141	72	233007F400	1862	81
2280006172	1555	79	280004041	0184	72	2330009601	0349	73	2330080G00	1862	81
2280006173	1555	79	280004042	0184	72	2330009602	0141	72	2330080G01	1862	81
2280006270	1555	79	280004050	0184	72	233000W010	0712	75	2330080G10	0712	75
2280006271	1555	79	280004090	0184	72	233000W011	0712	75	2330080W00	0499	74
2280006272	1555	79	280004180	0184	72	2330010600	0141	72	2330086G10	0712	75
2280006273	1555	79	280004500	0184	72	2330010601	0141	72	2330086G11	0712	75
2280006280	1555	79	280004520	0184	72	2330010605	0141	72	233008Y000	1876	81
2280006281	1555	79	280004520	0184	72	2330010615	0141	72	233008Y00A	1876	81
2280006283	1555	79	280004530	0184	72	2330010T01	1862	81	23300B5000	0349	73
2280006420	1863	81	280004600	0184	72	2330010T02	1862	81	23300B5002	0349	73
2280006421	1863	81	280004601	0184	72	2330015800	0141	72	23300D0100	0499	74
2280006482	0818	75	280004630	0184	72	2330015805	0141	72	23300D0200	0499	74
2280007200	1863	81	280004650	0184	72	2330018000	0141	72	23300D0220	0499	74
2280007201	1863	81	280004660	0184	72	2330018005	0141	72	23300D1700	0499	74
2280007800	0818	75	280004680	0184	72	2330018015	0141	72	23300E3000	0141	72
2280007801	0818	75	280004690	0184	72	2330018C00	0499	74	23300E3001	0141	72
2280009600	1555	79	280004691	0184	72	2330018C01	0499	74	23300E3100	0141	72
Nippondenso	Nº ZEN	Pg.	280004700	0184	72	2330018C03	0499	74	23300E3101	0141	72
			280004710	0184	72	2330018C05	0351	73	23300E6800	0351	73
280000430	0184	72	280005070	0184	72	2330018C06	0351	73	23300E6801	0351	73
280001730	0184	72	280005071	0184	72	233001HK0A	1761	80	23300EB300	1906	82
280001940	0184	72	280005280	0184	72	233001S770	0712	75	23300EB30A	1906	82
280001970	0184	72	280006220	0184	72	233001S771	0712	75	23300EB30B	1906	82
280001971	0184	72	280006790	0184	72	233001S772	0712	75	23300G8400	0634	74
280001972	0184	72	280008040	0686	74	233001W400	1862	81	23300H0100	0141	72
280001973	0184	72	280009430	0686	74	2330020P00	0634	74	23300H0101	0141	72
280002140	0184	72	280009690	0184	72	2330021000	0141	72	23300H3900	0141	72
280002141	0184	72	1280001290	0686	74	2330021005	0141	72	23300H5001	0349	73
280002150	0184	72	1280001291	0686	74	2330021006	0141	72	23300H5002	0349	73
280002151	0184	72	1280001761	0686	74	2330021007	0141	72	23300H5003	0349	73
280002240	0184	72	1280001860	0686	74	2330021008	0141	72	23300H5004	0349	73
280002241	0184	72	1280003640	0686	74	2330021009	0141	72	23300H5300	0349	73
280002660	0184	72	1280008210	0818	75	2330021017	0141	72	23300H5400	0349	73
280002661	0184	72	1280009190	0818	75	2330026900	0141	72	23300H6900	0349	73
280002890	0184	72	1280009191	0818	75	2330026901	0141	72	23300H6901	0349	73
280002930	0184	72	1280009300	0818	75	2330043300	0141	72	23300H6902	0349	73
280002931	0184	72	1280009310	0818	75	2330043305	0141	72	23300H6903	0349	73
280002932	0184	72	1280009380	0818	75	2330043405	0141	72	23300H6904	0349	73
280002933	0184	72	1280009520	0818	75	2330045N50	1862	81	23300H7300	0349	73
280003000	0184	72	1280009700	0818	75	2330045N51	1862	81			

Nissan	Nº ZEN	Pg.	Paris Rhone	Nº ZEN	Pg.	Prestolite	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.
23300H7301	0349	73	D9R112	0961	76	35259480	13585	85	1107219	0020	71
23300H7302	0349	73	D9R118	0961	76	35259580	13585	85	1107233	0020	71
23300N0900	0351	73	D9R122	0961	76	35259590	13585	85	1107237	0020	71
23300N3301	0351	73	D9R135	0961	76	35259600	13585	85	1107242	0020	71
23300N3304	0351	73	<b>Peugeot</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259620	12684	85	1107248	0020	71
23300Q2403	1862	81	5802AQ	1650	80	35259620	12686	85	1107259	0020	71
23300Q2404	1862	81	9675660680	1982	82	35259620	13585	85	1107260	0020	71
23300Q2405	1862	81	<b>Pininfarina</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259630	12684	85	1107266	0020	71
23300Q2406	1862	81	93951787218	1899	82	35259630	12686	85	1107273	0020	71
23300S0100	0351	73	93951808557	1899	82	35259630	13585	85	1107274	0020	71
23300U0100	0351	73	<b>Prestolite</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259640	13585	85	1107286	0020	71
23300U0101	0351	73	35258040	13585	85	35259650	12684	85	1107289	0020	71
23300U0102	0351	73	35258490	12682	85	35259650	12686	85	1107293	0020	71
23300U0601	0351	73	35258540	12682	85	35259650	13585	85	1107294	0020	71
23300U0602	0351	73	35258540	13585	85	35259660	12684	85	1107298	0020	71
23300U6001	0351	73	35258580	12682	85	35259660	12686	85	1107299	0020	71
23300U6002	0351	73	35258580	13585	85	35259660	13585	85	1107301	0020	71
23300U6003	0351	73	35258660	12682	85	35259670	12684	85	1107302	0020	71
23300U6004	0351	73	35258660	13585	85	35259670	12686	85	1107303	0020	71
23300U6005	0351	73	35258690	12682	85	35259670	13585	85	1107306	0020	71
23300V5202	0499	74	35258690	13585	85	35259680	13585	85	1107307	0020	71
23300VK500	1990	82	35258710	12682	85	35259690	12684	85	1107313	0020	71
23300VK50A	1990	82	35258710	13585	85	35259690	12686	85	1107314	0020	71
23300VM00A	1990	82	35258820	12682	85	35259690	13585	85	1107315	0020	71
23300W0400	0351	73	35258820	13585	85	35259710	12675	85	1107316	0020	71
23300W0401	0351	73	35258880	12682	85	35259710	13585	85	1107317	0020	71
23300W0402	0499	74	35258880	12686	85	35259720	12675	85	1107320	0020	71
23300W0403	0499	74	35258880	13585	85	35259720	13585	85	1107321	0020	71
23300WK500	1990	82	35258940	12682	85	35259750	12684	85	1107330	0020	71
23300Y0700	0351	73	35258940	12686	85	35259760	12684	85	1107331	0020	71
23300Y0701	0351	73	35258940	13585	85	35259870	13585	85	1107336	0020	71
2330221008	0141	72	35258950	12682	85	35259880	12684	85	1107340	0020	71
23330H6901	0349	73	35258950	12686	85	35259890	0991	77	1107342	0020	71
4330078505	0141	72	35258950	13585	85	35259900	12684	85	1107345	0020	71
23300099600	0141	72	35258960	12682	85	35259915	13585	85	1107346	0020	71
233001S772R	0712	75	35258960	13585	85	35259952	13585	85	1107347	0020	71
233004S102R	0712	75	35258990	12686	85	35260828	13585	85	1107349	0020	71
23300F4U010	0712	75	35258990	13585	85	35260940	13585	85	1107352	0020	71
<b>Opel</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259000	12686	85	35260950	12684	85	1107353	0020	71
3640268	1982	82	35259000	13585	85	35261020	12675	85	1107355	0020	71
<b>Paris Rhone</b>	<b>Nº ZEN</b>	<b>Pg.</b>	35259040	12682	85	35261020	13585	85	1107360	0020	71
D8E81	0248	72	35259040	13585	85	35261070	12684	85	1107361	0020	71
D9E12	0248	72	35259050	13585	85	35261120	12684	85	1107363	0020	71
D9E20	0248	72	35259130	12686	85	35261155	12684	85	1107365	0020	71
D9E22	0248	72	35259130	13585	85	35261175	12675	85	1107367	0020	71
D9E26	0248	72	35259170	12682	85	35261175	13585	85	1107368	0020	71
D9E34	0248	72	35259210	12686	85	35261190	12684	85	1107369	0020	71
D9E35	0248	72	35259210	13585	85	35261355	12684	85	1107370	0020	71
D9E37	0248	72	35259300	13585	85	35261360	12684	85	1107371	0020	71
D9E41	0248	72	35259310	12675	85	35261420	12684	85	1107372	0020	71
D9R89	0961	76	35259310	13585	85	35261425	12684	85	1107373	0020	71
D9R99	0961	76	35259380	13585	85	35261860	0916	76	1107374	0020	71
D8E121	0248	72	35259430	12684	85	<b>Remy</b>	<b>Nº ZEN</b>	<b>Pg.</b>	1107889	0020	71
D8E142	0248	72	35259465	13585	85	900890	12720	85	1113269	1194	78
D8E152	0248	72	35259480	12687	85	1107163	0020	71	1113270	1194	78

Remy	Nº ZEN	Pg.
1113292	1194	78
1113295	1194	78
1113296	1194	78
8000006	10003	83
8000006	12720	85
8000032	1840	81
8000048	10003	83
8000090	10003	83
8000090	12720	85
8000158	10003	83
8000158	12720	85
8000159	10003	83
8000159	12720	85
8000180	10003	83
8000188	10003	83
8000188	12720	85
8000203	1614	79
8000287	10003	83
8000534	1794	81
8000567	1840	81
8000837	1794	81
8000890	12720	85
8000891	12720	85
8000893	12720	85
8000944	12720	85
8000959	1614	79
8000978	12720	85
8000981	12720	85
9000794	12720	85
9000846	12720	85
9000869	1614	79
9000890	10003	83
9000891	10003	83
9000893	10003	83
9000902	10003	83
9000932	10003	83
9000934	10003	83
9000944	10003	83
9000948	12720	85
9000952	10003	83
9000967	10003	83
9000978	10003	83
9000981	10003	83
DRS3985	1756	80
10452345	10003	83
10455053	0612	74
10455505	0854	76
10465151	1194	78
10465314	1194	78
10479604	1194	78
10479614	1194	78
10479615	1194	78
10479617	1194	78
10479618	1194	78
10479625	1194	78

Remy	Nº ZEN	Pg.
10479634	1194	78
10479638	1194	78
10479641	1194	78
Renault	Nº ZEN	Pg.
233003329R	1756	80
Skoda	Nº ZEN	Pg.
02E911024B	1985	82
Ssangyong	Nº ZEN	Pg.
6611513201	1886	82
66115141101	1614	79
Suzuki	Nº ZEN	Pg.
3110055L00	1899	82
3110055L01	1899	82
3110063210	0184	72
31100T55L00	1899	82
3110055L00000	1899	82
31100T55L01000	1899	82
Thermo King	Nº ZEN	Pg.
451229	9526	84
451263	9526	84
451285	9526	84
Toyota	Nº ZEN	Pg.
281002470	0184	72
281000C120	1914	82
281000L200	1919	82
2810010012	0184	72
2810010013	0184	72
2810012030	0184	72
2810012040	0184	72
2810015050	0184	72
2810015140	0184	72
2810016270	0818	75
2810021030	0184	72
2810022010	0184	72
2810022011	0184	72
2810022012	0184	72
2810022020	0184	72
2810022021	0184	72
2810022022	0184	72
2810023010	0184	72
2810023012	0184	72
2810024012	0184	72
2810024020	0184	72
2810024022	0184	72
2810024030	0184	72
2810024031	0184	72
2810024060	0184	72
2810024061	0184	72
2810024070	0184	72
2810024080	0184	72
2810024090	0184	72
2810024100	0184	72
2810024680	0184	72
2810025010	0184	72
2810025011	0184	72

Toyota	Nº ZEN	Pg.
2810025012	0184	72
2810026020	0184	72
2810026021	0184	72
2810026022	0184	72
2810032021	0184	72
2810040040	0184	72
2810040050	0184	72
2810041010	0184	72
2810041011	0184	72
2810046100	0818	75
2810046120	0818	75
2810046140	0818	75
2810049090	0818	75
2810060010	0184	72
2810075050	0818	75
2810076060	0818	75
2810076070	0818	75
2810087104	0184	72
28100240012	0184	72
28100240060	0184	72
Valeo	Nº ZEN	Pg.
D7G3	1812	81
D7R5	1023	77
D7R8	1023	77
D7R9	1023	77
D8R1	1607	79
D8R1	1692	80
D7G11	1618	79
D7G26	1812	81
D7R12	1023	77
D7R13	1023	77
D7R16	1023	77
D7R18	1023	77
D7R19	1458	79
D7R20	1023	77
D7R25	1023	77
D7R26	1023	77
D7R27	1023	77
D7R28	1458	79
D7R34	1607	79
D7R34	1692	80
D7R40	1023	77
D7R43	1023	77
D7R46	1023	77
D7R49	1023	77
D7R53	1607	79
D7R53	1692	80
D7R56	1607	79
D7R57	1607	79
D7R61	2002	82
D8R27	1023	77
D8R49	1023	77
D9R73	0656	74
D9R89	0961	76
D9R91	0657	74

Valeo	Nº ZEN	Pg.
D9R99	0961	76
438158	1607	79
438162	1607	79
438166	1812	81
438169	2002	82
438186	1607	79
438189	1812	81
438225	2005	83
455899	1607	79
455954	1607	79
458172	1607	79
458178	1607	79
458185	1812	81
458237	1812	81
458389	2005	83
458714	2005	83
495105	1755	80
D6RA53	0787	75
D6RA63	0787	75
D7RE46	1023	77
D9R112	0961	76
D9R118	0961	76
D9R119	0961	76
D9R134	0656	74
D9R135	0961	76
D9R149	0961	76
FS10B4	1755	80
TS12E9	1756	80
1206997	1946	82
D6GC211	1873	81
D6RA141	0787	75
D6RA511	0787	75
D6RA571	0787	75
D6RA572	0787	75
D6RA661	0787	75
D6RA721	0787	75
TS12E10	1756	80
TS18E13	1812	81
TS22E20	1776	81
TSC1010	1755	80
TSC1015	1755	80
DSL42350	1607	79
TS14E110	1812	81
TS18ER21	2005	83
TS18ER121	2005	83
3610042350	1607	79
8200225336	1618	79
8V2111000BC	1756	80
8V2111000BD	1756	80
8V2111000BE	1756	80
TM000A36101	1607	79
36100DSL42350	1607	79
Vauxhall	Nº ZEN	Pg.
3640268	1982	82

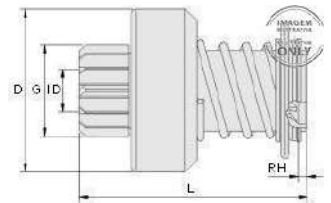
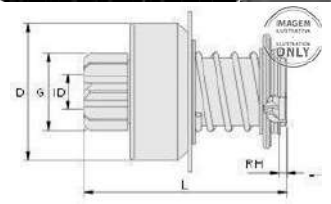
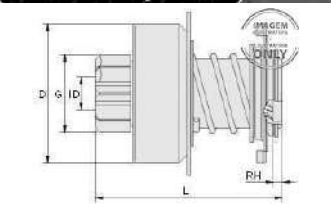
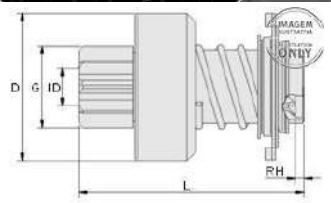
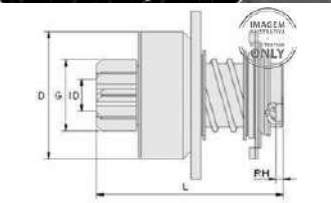
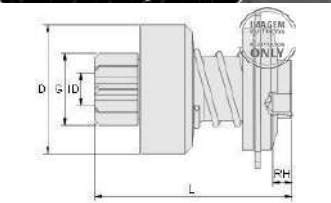
Visteon	Nº ZEN	Pg.
1C3U11000AA	1081	78
1C3U11000AB	1081	78
1C3U11000AC	1081	78
1C3U11000AD	1081	78
1C3U11000AE	1081	78
1C3Z11002AA	1081	78
2C2411000AA	1081	78

Volkswagen	Nº ZEN	Pg.
02M911024	1856	81
02A911023L	0937	76
02E911024B	1985	82
02Z911023K	2005	83
02Z911023M	2005	83
02Z911023N	2005	83
02Z911023P	2005	83
02Z911024K	2005	83
5U0911023	1712	80
5U0911335	1712	80
02Z911023KX	2005	83
02Z911023MX	2005	83
02Z911023NX	2005	83
02Z911023PX	2005	83
02Z911024KX	2005	83
7B0911023C	1877	81
7X0911023B	1712	80
7B0911023CXRMN	1877	81

Wapsa	Nº ZEN	Pg.
MPB1	0024	71
MPB1	1359	79
MPB2	0024	71
MPB2	1359	79
MPB3	0056	71
MPB4	0056	71
MPF6	0001	71
MPF7	0001	71
MPF8	0024	71
MPF8	1359	79
MPN2	0024	71
MPN2	1359	79
MPT2	0025	71
MALF2	0001	71
MALF3	0001	71
MALP2	0024	71
MALP2	1359	79
MALT1	0025	71
MALW2	0001	71
MALW3	0001	71
MPB11	0024	71
MPB11	1359	79
MPB17	0024	71
MPB17	1359	79
MPB18	0024	71
MPB18	1359	79
MPB19	0025	71
MPB22	0070	71

Wapsa	Nº ZEN	Pg.
MPB23	0024	71
MPB23	1359	79
MPB31	0024	71
MPB31	1359	79
MPB33	0024	71
MPB33	1359	79
MPB49	0024	71
MPB49	1359	79
MPB50	0024	71
MPB50	1359	79
MPB55	0070	71
MPB59	0024	71
MPB59	1359	79
MPB60	0024	71
MPB60	1359	79
MPB63	0024	71
MPB63	1359	79
MPB70	0024	71
MPB70	1359	79
MPC69	0024	71
MPC69	1359	79
MPMF3	0024	71
MPMF3	1359	79
MPT2N	0025	71
MWB14	0104	71
MALMF2	0024	71
MALMF2	1359	79
MALTF1	0024	71
MALTF1	1359	79
MALTF2	0024	71
MALTF2	1359	79
MALW12	0001	71
MALW14	0001	71
MALW3N	0056	71
MALMWM3	0025	71
MALMWM4	0025	71
MPJ1074	0024	71
MPJ1074	1359	79

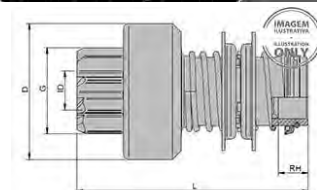
T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De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

[illegible][illegible][illegible][illegible][illegible][illegible]

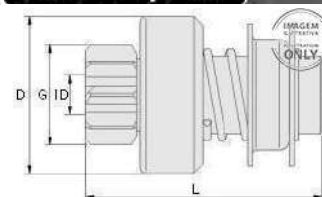


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

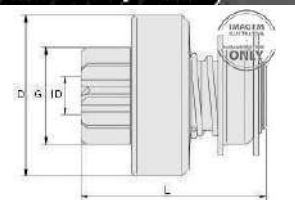
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	021
0015	9	29.64	77.5	3	14.26	46.6	10	Horário		
0034	9	34.8	91	3	14.26	60	13	Horário		
0227	11	41	90	3	14.26	54.5	10	Horário		



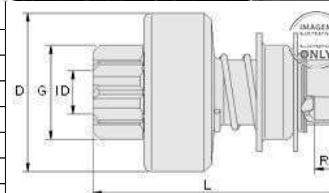
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	026
0141	9	29.64	62	10	13	46.5		Horário		
0161	9	25.8	74	3	12	46.5		Horário		



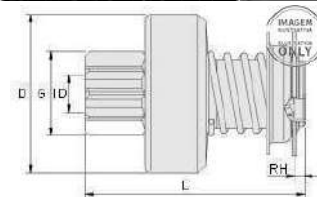
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	027
0580	11	40.5	69	12	14	60		Horário		



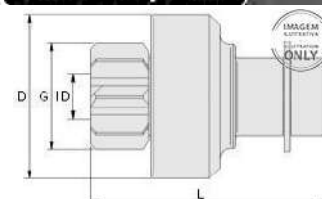
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	028
0953	9	35.5	88	3	16.1	60	10	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	029
1194	10	32	85	12	14	60	4	Horário		

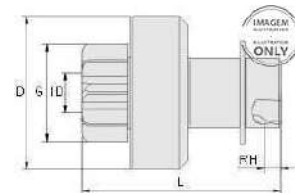


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	030
1946	11	34.4	46.9	8	12.06	48.7		Horário		

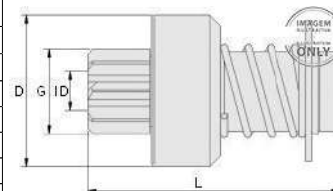


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

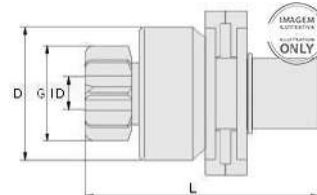
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	034
0549	9	32.2	70.5	3	14.3	60		Horário		
0854	8	24.7	64	6	12	43.5	1.5	Anti-horário		
1082	12	31.8	47	6	12	46.5		Horário		



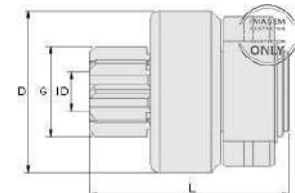
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	035
0771	10	27.5	67.5	3	14	60		Horário		
0772	9	34.8	75.5	3	15	60		Horário		
0826	10	40	75.5	3	15	60		Horário		



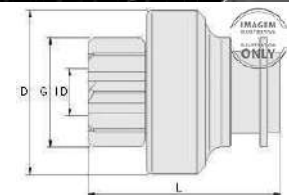
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	037
0495	10	33	75.5	6	12	46.5		Horário		



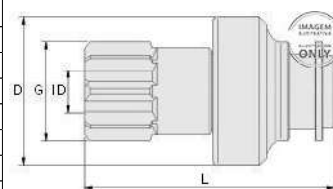
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	038
0786	9	25.8	64	6	11.5	46.5	4.5	Horário		



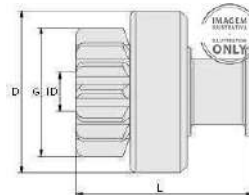
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	039
0064	10	40	70	3	17	60		Horário		
0398	13	46	70	12	17	60		Horário		
0541	13	46	70	12	17	60		Horário		




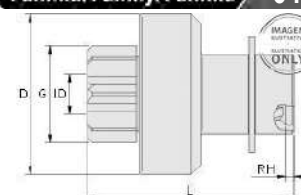
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	040
0486	10	40	100	12	17.03	60		Horário		



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

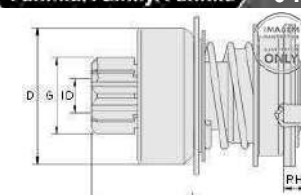
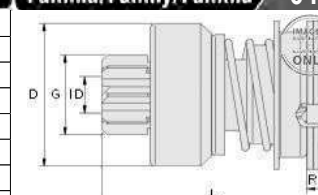
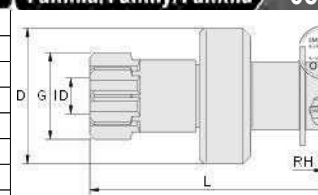
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Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	047
0184	9	29.64	64	10	12.51	46.6	7		Horário	
0248	9	25.8	59.5	12	12	46.5			Horário	
0499	8	28	60	10	12.51	46.5	2.5		Horário	
0686	8	28.2	82	10	12.5	46.5	2.5		Anti-horário	
0940	8	24.7	70.5	8	12	45.5			Anti-horário	
1618	10	32.18	45.5	10	12.06	48.7			Horário	
1715	9	25.8	52	12	12.06	43.5			Horário	
1756	10	28.15	45.5	10	12	48.9			Horário	
1776	9	28	45.13	8	12	48.9			Horário	
1794	11	34.8	48.3	6	12	46.1			Horário	
1812	11	29.38	45	10	12	48.9			Horário	
1840	9	36.3	60.9	12	12.1	46.6			Horário	
1873	8	28.2	60.1	10	12	44.7			Anti-horário	
1886	10	27.5	50.6	6	12.06	48.7			Horário	



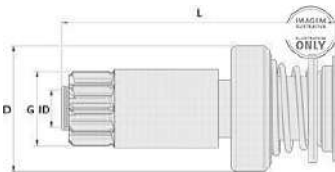
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW
0119	9	29.64	66.5	10	12.51	46.5	7	Anti-horário
0120	9	25.8	70.8	6	11.5	46.5	7	Horário
0131	9	25.8	66.5	10	11	46.5	7	Anti-horário

The technical drawing illustrates the internal components of the Zenith watch movement. Key dimensions are labeled: D (overall width), S (case thickness), ID (lug hole diameter), L (lug length), and PH (crown height). The movement features a complex arrangement of gears and a prominent winding crown.

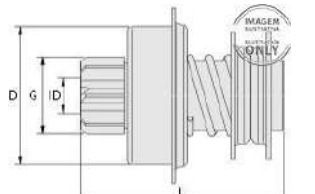
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T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión 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

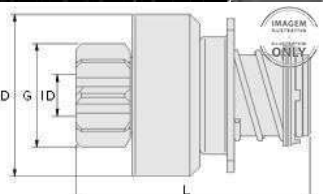
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	062
1914	9	29.6	88.1	16	11	47.8		Horário		



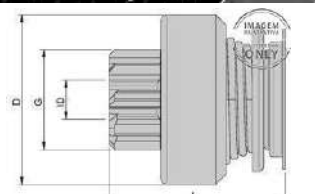
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	069
0349	9	29.64	62	10	12.5	46.5		Horário		



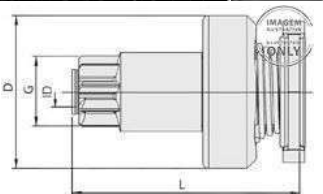
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	070
0351	9	29.64	62	10	12.5	46.5		Horário		



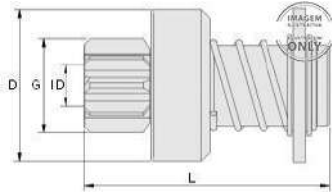
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	074
1619	9	25.8	48	16	11	46.5		Horário		
1899	10	32	48	10	11	46.5		Horário		
1939	13	34.55	51.4	16	11	47.4		Horário		
1982	12	32.28	51.4	16	11	47.4		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	079
0937	10	27.94	80.5	16	11	54.5		Anti-horário		
1856	11	27.5	90.8	16	11	50.5		Anti-horário		

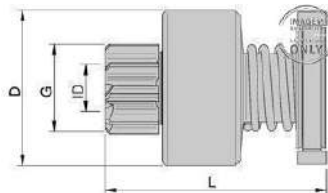


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	080
0910	8	32.4	77.5	6	14.26	60	4	Horário		

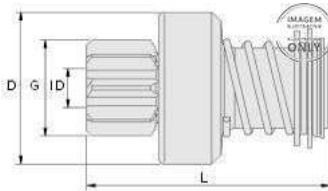


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

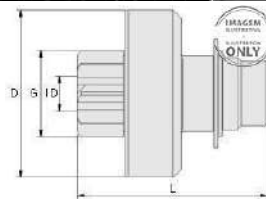
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	082
1026	10	32	75	10	14.26	60		Horário		
1952	11	40	83	10	14.3	60		Horário		



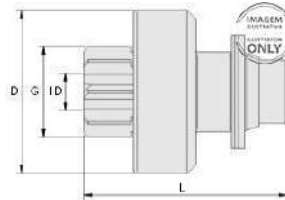
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	083
1188	9	29.3	68.5	12	12.1	46.5		Horário		



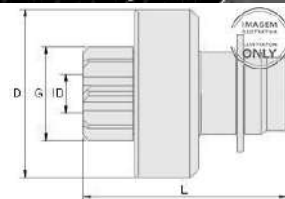
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	085
0656	12	31.8	61.5	9	12	54.5		Horário		
0657	9	37.1	61.5	9	12	54.5		Horário		
0916	9	36.5	61	10	12	60		Horário		
0961	11	29.5	61.5	9	12	54.5		Horário		
1023	11	29.38	54.5	9	12	54.5		Horário		
1458	11	30.04	54.5	10	12	54.5		Horário		
1607	10	32.18	54.5	9	12	54.5		Horário		
1692	10	32	55.2	9	12	54.5		Horário		
2002	9	35.2	69.4	10	12.06	54.5		Horário		



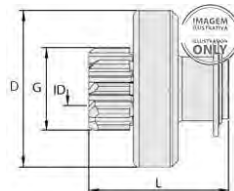
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	086
0787	9	25.82	51.5	10	12	46.5		Horário		



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		

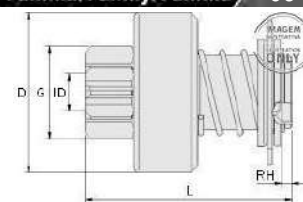


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	089
1755	9	25.82	41.15	4	10.1	46.3	3	Horário		

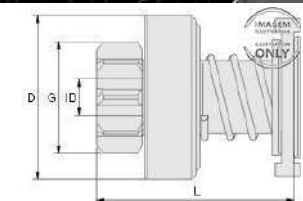


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrias # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

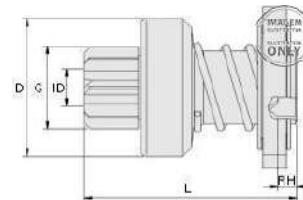
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	091
0407	9	34.8	77.5	6	14.3	60	4	Horário		
1161	11	30	77.5	6	14.3	60		Horário		



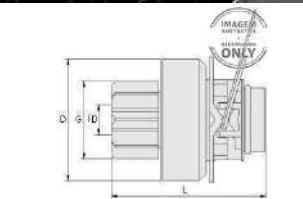
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	094
0861	9	36.8	62	10	12	54.5		Horário		
0976	9	25.8	47	10	12	46.5		Horário		
1022	9	35.5	57.5	16	12	54.5		Horário		
1031	10	27.94	49	10	12	50.5		Horário		
1037	10	27.94	49	10	12	46.5		Horário		
1057	10	27.94	49	10	12	54.5		Horário		
1058	11	29.5	49	10	12	50.5		Horário		
1158	9	35.5	62	16	12	54.5		Horário		
1159	10	40	83	10	14.3	60		Horário		
1173	9	35.2	58.5	10	12	54.5		Horário		
1174	9	35.2	58.5	10	12	54.5		Horário		
1629	10	27.5	57.5	16	12	52.5		Horário		
1638	9	34.8	69.5	10	12	52.7		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		
1696	12	31.8	51.5	10	12	47.4		Horário		
1815	9	36.3	53.7	10	12	52.7		Horário		
1845	10	40	49.6	10	12	53.5		Horário		
1874	12	38.8	56.2	10	12	50.9		Horário		
2014	12	38.8	55.5	16	12.03	53.5		Horário		



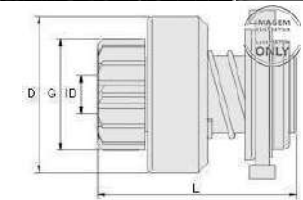
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	095
0612	9	25.8	69	3	12	43.5		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	096
0468	9	25.8	51.5	9	12.06	46.5		Horário		

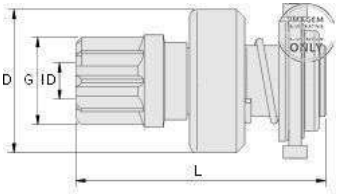


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	100
0482	9	25.8	58.5	10	12	46.3		Horário		
0573	9	29.64	62	10	12	54.5		Horário		
0631	9	25.8	62	10	12	54.5		Horário		
0796	9	25.8	65.5	10	12	54.5		Horário		
0838	9	34.8	62	10	12	54.5		Horário		
0875	9	35.5	62	10	12	54.5		Horário		
1070	9	35.2	62	10	12	54.5		Horário		
1072	9	29.64	62	10	12	54.5		Horário		

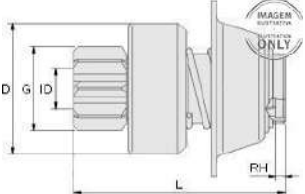


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

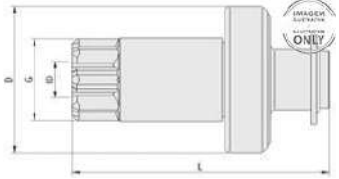
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	101
0613	9	25.8	79.5	10	12	46.5		Anti-horário		



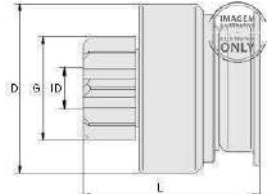
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	107
0713	9	29.64	70	3	14	46.5		Horário		



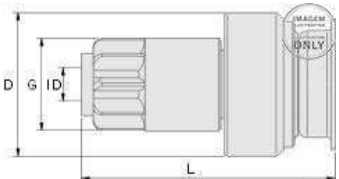
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	109
1769	23	17.5	106.8	6	14.02	60		Horário		
2005	12	29.2	81.7	4	12	48.9		Anti-horário		



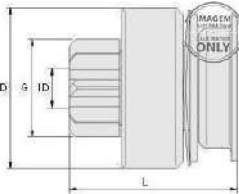
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	110
1761	10	27.94	51	8	12	46.5		Horário		
1764	11	34.5	50.7	8	12	45.3		Horário		
1876	11	34.5	42.5	8	12	46.5		Horário		



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		

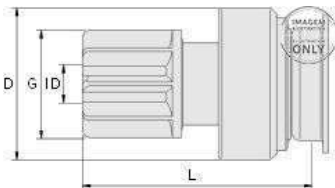


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	112
0806	12	31.8	51	8	12	46.5		Horário		
1024	10	33	51.5	8	13.01	46.5		Horário		
1063	9	35.5	51	8	13.01	46.5		Horário		
1567	12	37.26	51	8	13.01	46.5		Horário		
1807	12	39	63	8	13.01	46.5		Horário		

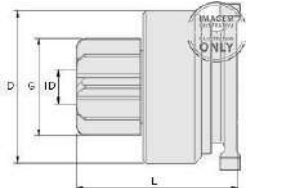


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

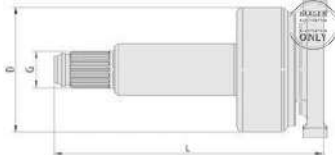
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	114
1906	30	21.3	90.6	8	11	46.5		Horário		



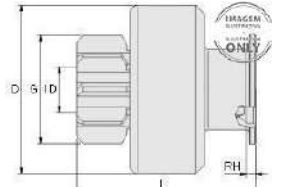
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	115
0907	13	46	46.5	12	12.02	45.3	1.85	Horário		
1217	9	37.18	59.5	12	12	48.7		Horário		
1539	12	37.6	46.5	12	12	45.3	1.85	Anti-horário		
1585	11	34.4	46.6	6	12.06	45.3	1.85	Horário		
2039	12	31.8	46.9	6	12	45.5		Horário		



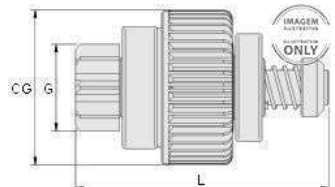
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	116
0959	18	13.2	82	6		45.3		Horário		



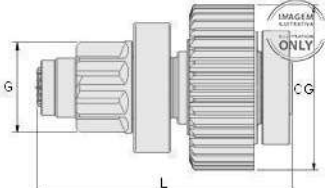
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	117
0634	9	29.6	49	10	12.5	46.5	2.5	Horário		
0915	9	25.8	55	9	12.06	46.5	4	Horário		
0978	10	40	61	10	12	60		Horário		
1134	10	27.94	55	9	12.1	46.5	4	Horário		
1613	11	34.4	55	9	12	46.6	4	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	122
0844	9	25.9	87					Horário		
1081	12	37.26	92.7					Horário		
1676	12	37.26	92.7					Horário		

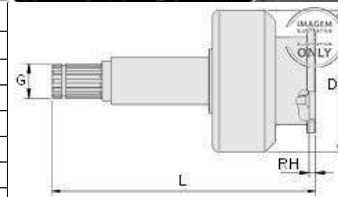


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	124
0816	10	33	83					Horário		
0818	9	29.6	83					Horário		
1555	13	40.8	110.5					Anti-horário		
1601	11	34.8	102					Horário		
1863	9	29.64	83					Horário		
1957	11	29.3	102					Horário		

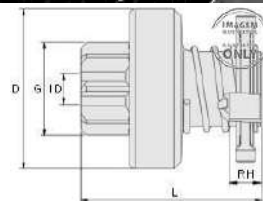


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

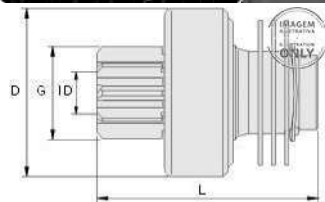
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	128
0887	20	14.7	110	5		60	2.5	Horário		
1563	20	14.7	91	5		54.5	1.5	Horário		



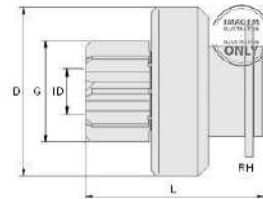
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	130
1025	9	34.8	64.5	10	12.11	60	12	Horário		



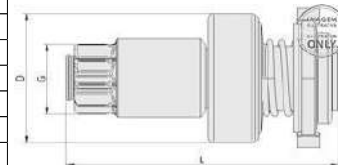
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	131
0926	9	25.8	56.5	12	12	46.5	0.5	Horário		



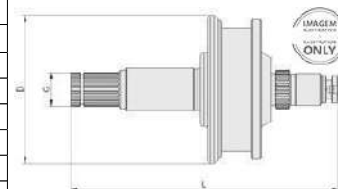
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	132
10003	9	25.82	47	6	12	46.5		Horário		
1614	10	27.5	47	6	12	46.5		Horário		



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

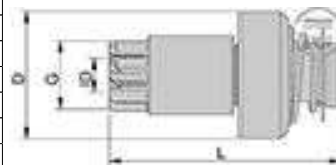


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	134
1047	20	14.7	119	10		65		Horário		
1667	19	14.65	126	10		65		Anti-horário		

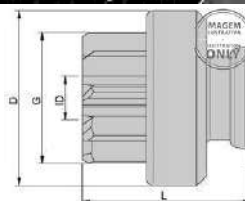


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

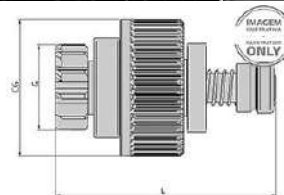
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	138
1712	9	25.8	82.3	11	11	46.6		Anti-horário		



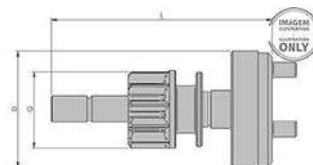
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	143
1942	12	31.8	43.5	10	11.02	45.9		Horário		



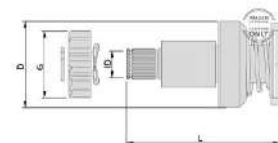
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	145
1862	9	36	95.3					Horário		



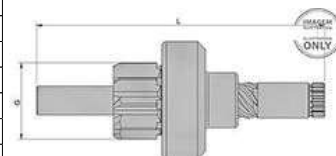
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	146
1877	10	27.8	81.2			44.2		Horário		



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

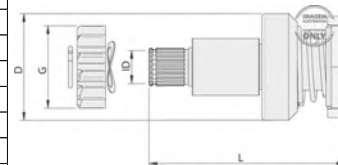


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	155
1849	9	29.64	110.7	6	11	45.3		Horário		

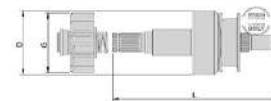


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

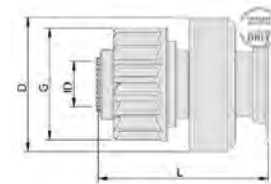
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	159
1919	11	41	96.6	16	11	53.4		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	160
1918	11	43.7	121.5			46.5		Horário		
1990	12	46.5	153.5			46.5		Horário		



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	166
2004	10	37.8	101.7	5		45.9		Horário		

imagem  
indisponível

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>0001</b>  APLICAÇÃO Application / Aplicación Pg. 86	<b>1.01.0001.0</b>		<b>0015</b>  APLICAÇÃO Application / Aplicación Pg. 86	<b>1.01.0015.0</b>		<b>0020</b>  APLICAÇÃO Application / Aplicación Pg. 86	<b>1.01.0020.0</b>		<b>0024</b>  APLICAÇÃO Application / Aplicación Pg. 86	<b>1.01.0024.0</b>	
	T	9		T	9		T	9		T	10
	G	29.64		G	29.64		G	25.8		G	40
	L	73.5		L	77.5		L	80.5		L	79.5
	SPL	6		SPL	3		SPL	3		SPL	6
	ID	14.3		ID	14.26		ID	12		ID	14.29
	D	54.5		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. 87	<b>1.01.0025.0</b>		<b>0034</b>  APLICAÇÃO Application / Aplicación Pg. 87	<b>1.01.0034.0</b>		<b>0045</b>  APLICAÇÃO Application / Aplicación Pg. 87	<b>1.01.0045.0</b>		<b>0056</b>  APLICAÇÃO Application / Aplicación Pg. 87	<b>1.01.0056.0</b>	
	T	9		T	9		T	9		T	9
	G	34.8		G	34.8		G	25.8		G	29.64
	L	76.5		L	91		L	80.5		L	73.5
	SPL	6		SPL	3		SPL	6		SPL	6
	ID	14.3		ID	14.26		ID	12		ID	12
	D	60		D	60		D	46.2		D	46.5
	FAM	020		FAM	021		FAM	020		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0064</b>  APLICAÇÃO Application / Aplicación Pg. 87	<b>1.01.0064.0</b>		<b>0065</b>  APLICAÇÃO Application / Aplicación Pg. 87	<b>1.01.0065.0</b>		<b>0068</b>  APLICAÇÃO Application / Aplicación Pg. 88	<b>1.01.0068.0</b>		<b>0070</b>  APLICAÇÃO Application / Aplicación Pg. 88	<b>1.01.0070.0</b>	
	T	10		T	9		T	9		T	12
	G	40		G	25.816		G	25.8		G	37.26
	L	70		L	62		L	64		L	92.5
	SPL	3		SPL	10		SPL	10		SPL	6
	ID	17		ID	11.08		ID	12		ID	12
	D	60		D	46.3		D	46.5		D	46.5
	FAM	039		FAM	007		FAM	002		FAM	020
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>0082</b>  APLICAÇÃO Application / Aplicación Pg. 88	<b>1.01.0082.0</b>		<b>0104</b>  APLICAÇÃO Application / Aplicación Pg. 88	<b>1.01.0104.0</b>		<b>0105</b>  APLICAÇÃO Application / Aplicación Pg. 89	<b>1.01.0105.0</b>		<b>0108</b>  APLICAÇÃO Application / Aplicación Pg. 89	<b>1.01.0108.0</b>	
	T	10		T	9		T	9		T	9
	G	26.82		G	25.8		G	34.8		G	25.8
	L	66		L	72		L	91		L	64
	SPL	10		SPL	6		SPL	10		SPL	10
	ID	12		ID	12		ID	14.3		ID	12
	D	46.5		D	46.5		D	60		D	46.7
	FAM	007		FAM	017		FAM	014		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>0115</b>  APLICAÇÃO Application / Aplicación Pg. 90	<b>1.01.0115.0</b>		<b>0118</b>  APLICAÇÃO Application / Aplicación Pg. 90	<b>1.01.0118.0</b>		<b>0119</b>  APLICAÇÃO Application / Aplicación Pg. 90	<b>1.01.0119.0</b>		<b>0120</b>  APLICAÇÃO Application / Aplicación Pg. 90	<b>1.01.0120.0</b>	
	T	9		T	10		T	9		T	9
	G	25.8		G	40		G	29.64		G	25.8
	L	66		L	91		L	66.5		L	70.8
	SPL	10		SPL	10		SPL	10		SPL	6
	ID	12		ID	14.26		ID	12.51		ID	11.5
	D	46.5		D	60		D	46.5		D	46.5
	FAM	009		FAM	014		FAM	048		FAM	048
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>0131</b>  APLICAÇÃO Application / Aplicación Pg. 91	<b>1.01.0131.0</b>		<b>0141</b>  APLICAÇÃO Application / Aplicación Pg. 91	<b>1.01.0141.0</b>		<b>0161</b>  APLICAÇÃO Application / Aplicación Pg. 91	<b>1.01.0161.0</b>		<b>0184</b>  APLICAÇÃO Application / Aplicación Pg. 91	<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	66.5		L	62		L	74		L	64
	SPL	10		SPL	10		SPL	3		SPL	10
	ID	11		ID	13		ID	12		ID	12.51
	D	46.5		D	46.5		D	46.5		D	46.6
	FAM	048		FAM	026		FAM	026		FAM	047
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0223</b>  APLICAÇÃO Application / Aplicación Pg. 92	<b>1.01.0223.0</b>		<b>0227</b>  APLICAÇÃO Application / Aplicación Pg. 92	<b>1.01.0227.0</b>		<b>0228</b>  APLICAÇÃO Application / Aplicación Pg. 92	<b>1.01.0228.0</b>		<b>0248</b>  APLICAÇÃO Application / Aplicación Pg. 92	<b>1.01.0248.0</b>	
	T	9		T	11		T	9		T	9
	G	29.64		G	41		G	25.8		G	25.8
	L	69		L	90		L	71		L	59.5
	SPL	10		SPL	3		SPL	10		SPL	12
	ID	12		ID	14.26		ID	12		ID	12
	D	46.5		D	54.5		D	54.5		D	46.5
	FAM	049		FAM	021		FAM	015		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0291</b>  APLICAÇÃO Application / Aplicación Pg. 93	<b>1.01.0291.0</b>		<b>0301</b>  APLICAÇÃO Application / Aplicación Pg. 93	<b>1.01.0301.0</b>		<b>0310</b>  APLICAÇÃO Application / Aplicación Pg. 93	<b>1.01.0310.0</b>		<b>0313</b>  APLICAÇÃO Application / Aplicación Pg. 93	<b>1.01.0313.0</b>	
	T	9		T	9		T	9		T	12
	G	34.8		G	34.8		G	34.8		G	46.3
	L	74		L	91		L	75		L	75
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	14.26		ID	14.26		ID	14.3		ID	14.3
	D	60		D	60		D	60		D	60
	FAM	015		FAM	014		FAM	014		FAM	014
	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. 93	<b>1.01.0323.0</b>		<b>0349</b>  APLICAÇÃO Application / Aplicación Pg. 94	<b>1.01.0349.0</b>		<b>0351</b>  APLICAÇÃO Application / Aplicación Pg. 94	<b>1.01.0351.0</b>		<b>0353</b>  APLICAÇÃO Application / Aplicación Pg. 95	<b>1.01.0353.0</b>	
	T	9		T	9		T	9		T	9
	G	25.8		G	29.64		G	29.64		G	29.64
	L	62		L	62		L	62		L	82
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	11		ID	12.5		ID	12.5		ID	12.5
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	002		FAM	069		FAM	070		FAM	050
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0378</b>  APLICAÇÃO Application / Aplicación Pg. 95	<b>1.01.0378.0</b>		<b>0389</b>  APLICAÇÃO Application / Aplicación Pg. 95	<b>1.01.0389.0</b>		<b>0392</b>  APLICAÇÃO Application / Aplicación Pg. 96	<b>1.01.0392.0</b>		<b>0397</b>  APLICAÇÃO Application / Aplicación Pg. 96	<b>1.01.0397.0</b>	
	T	11		T	11		T	11		T	9
	G	41		G	29.5		G	41		G	29.64
	L	91		L	70.8		L	91		L	70.8
	SPL	10		SPL	6		SPL	10		SPL	6
	ID	14.3		ID	11.5		ID	14.3		ID	11.5
	D	60		D	46.5		D	60		D	46.5
	FAM	015		FAM	010		FAM	014		FAM	010
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0398</b>  APLICAÇÃO Application / Aplicación Pg. 96	<b>1.01.0398.0</b>		<b>0407</b>  APLICAÇÃO Application / Aplicación Pg. 96	<b>1.01.0407.0</b>		<b>0463</b>  APLICAÇÃO Application / Aplicación Pg. 96	<b>1.01.0463.0</b>		<b>0468</b>  APLICAÇÃO Application / Aplicación Pg. 96	<b>1.01.0468.0</b>	
	T	13		T	9		T	9		T	9
	G	46		G	34.8		G	29.64		G	25.8
	L	70		L	77.5		L	69		L	51.5
	SPL	12		SPL	6		SPL	9		SPL	9
	ID	17		ID	14.3		ID	12		ID	12.06
	D	60		D	60		D	46.5		D	46.5
	FAM	039		FAM	091		FAM	017		FAM	096
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0482</b>  APLICAÇÃO Application / Aplicación Pg. 97	<b>1.01.0482.0</b>		<b>0486</b>  APLICAÇÃO Application / Aplicación Pg. 97	<b>1.01.0486.0</b>		<b>0495</b>  APLICAÇÃO Application / Aplicación Pg. 98	<b>1.01.0495.0</b>		<b>0497</b>  APLICAÇÃO Application / Aplicación Pg. 99	<b>1.01.0497.0</b>	
	T	9		T	10		T	10		T	10
	G	25.8		G	40		G	33		G	32
	L	58.5		L	100		L	75.5		L	91
	SPL	10		SPL	12		SPL	6		SPL	10
	ID	12		ID	17.03		ID	12		ID	14.26
	D	46.3		D	60		D	46.5		D	60
	FAM	100		FAM	040		FAM	037		FAM	014
	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>0499</b>  APLICAÇÃO Application / Aplicación Pg. 99	<b>1.01.0499.0</b>	<b>0522</b>  APLICAÇÃO Application / Aplicación Pg. 99	<b>1.01.0522.0</b>	<b>0528</b>  APLICAÇÃO Application / Aplicación Pg. 99	<b>1.01.0528.0</b>	<b>0541</b>  APLICAÇÃO Application / Aplicación Pg. 99	<b>1.01.0541.0</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>0549</b>  APLICAÇÃO Application / Aplicación Pg. 99	<b>1.01.0549.0</b>	<b>0573</b>  APLICAÇÃO Application / Aplicación Pg. 100	<b>1.01.0573.0</b>	<b>0580</b>  APLICAÇÃO Application / Aplicación Pg. 100	<b>1.01.0580.0</b>	<b>0612</b>  APLICAÇÃO Application / Aplicación Pg. 100	<b>1.01.0612.0</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>0613</b>  APLICAÇÃO Application / Aplicación Pg. 100	<b>1.01.0613.0</b>	<b>0627</b>  APLICAÇÃO Application / Aplicación Pg. 100	<b>1.01.0627.0</b>	<b>0631</b>  APLICAÇÃO Application / Aplicación Pg. 100	<b>1.01.0631.0</b>	<b>0634</b>  APLICAÇÃO Application / Aplicación Pg. 101	<b>1.01.0634.0</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>0656</b>  APLICAÇÃO Application / Aplicación Pg. 101	<b>1.01.0656.0</b>	<b>0657</b>  APLICAÇÃO Application / Aplicación Pg. 101	<b>1.01.0657.0</b>	<b>0673</b>  APLICAÇÃO Application / Aplicación Pg. 101	<b>1.01.0673.0</b>	<b>0686</b>  APLICAÇÃO Application / Aplicación Pg. 101	<b>1.01.0686.0</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>0712</b>  APLICAÇÃO Application / Aplicación Pg. 101	<b>1.01.0712.0</b>		<b>0713</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0713.0</b>		<b>0714</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0714.0</b>		<b>0732</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0732.0</b>	
	T	9		T	9		T	9		T	9
	G	29.64		G	29.64		G	29.64		G	25.8
	L	77		L	70		L	70.8		L	58
	SPL	8		SPL	3		SPL	6		SPL	6
	ID	10.7		ID	14		ID	12		ID	12
	D	46.5		D	46.5		D	46.5		D	46.5
	FAM	111		FAM	107		FAM	010		FAM	010
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0765</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0765.0</b>		<b>0771</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0771.0</b>		<b>0772</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0772.0</b>		<b>0786</b>  APLICAÇÃO Application / Aplicación Pg. 102	<b>1.01.0786.0</b>	
	T	8		T	10		T	9		T	9
	G	24.7		G	27.5		G	34.8		G	25.8
	L	82		L	67.5		L	75.5		L	64
	SPL	10		SPL	3		SPL	3		SPL	6
	ID	12.51		ID	14		ID	15		ID	11.5
	D	46.5		D	60		D	60		D	46.5
	FAM	050		FAM	035		FAM	035		FAM	038
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0787</b>  APLICAÇÃO Application / Aplicación Pg. 103	<b>1.01.0787.0</b>		<b>0796</b>  APLICAÇÃO Application / Aplicación Pg. 103	<b>1.01.0796.0</b>		<b>0806</b>  APLICAÇÃO Application / Aplicación Pg. 103	<b>1.01.0806.0</b>		<b>0816</b>  APLICAÇÃO Application / Aplicación Pg. 103	<b>1.01.0816.0</b>	
	T	9		T	9		T	12		T	10
	G	25.82		G	25.8		G	31.8		G	33
	L	51.5		L	65.5		L	51		L	83
	SPL	10		SPL	10		SPL	8		SPL	-
	ID	12		ID	12		ID	12		CT	40
	D	46.5		D	54.5		D	46.5		D	-
	FAM	086		FAM	100		FAM	112		FAM	124
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0818</b>  APLICAÇÃO Application / Aplicación Pg. 103	<b>1.01.0818.0</b>		<b>0826</b>  APLICAÇÃO Application / Aplicación Pg. 104	<b>1.01.0826.0</b>		<b>0838</b>  APLICAÇÃO Application / Aplicación Pg. 104	<b>1.01.0838.0</b>		<b>0844</b>  APLICAÇÃO Application / Aplicación Pg. 104	<b>1.01.0844.0</b>	
	T	9		T	10		T	9		T	9
	G	29.6		G	40		G	34.8		G	25.9
	L	83		L	75.5		L	62		L	87
	SPL	-		SPL	3		SPL	10		SPL	-
	CT	40		ID	15		ID	12		CT	41
	D	-		D	60		D	54.5		D	-
	FAM	124		FAM	035		FAM	100		FAM	122
	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>0854</b>  APLICAÇÃO Application / Aplicación Pg. 104	<b>1.01.0854.0</b>		<b>0857</b>  APLICAÇÃO Application / Aplicación Pg. 104	<b>1.01.0857.0</b>		<b>0861</b>  APLICAÇÃO Application / Aplicación Pg. 105	<b>1.01.0861.0</b>		<b>0875</b>  APLICAÇÃO Application / Aplicación Pg. 105	<b>1.01.0875.0</b>	
	T	8		T	9		T	9		T	9
	G	24.7		G	25.8		G	36.8		G	35.5
	L	64		L	64		L	62		L	62
	SPL	6		SPL	10		SPL	10		SPL	10
	ID	12		ID	12		ID	12		ID	12
	D	43.5		D	46.5		D	54.5		D	54.5
	FAM	034		FAM	001		FAM	094		FAM	100
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0887</b>  APLICAÇÃO Application / Aplicación Pg. 105	<b>1.01.0887.0</b>		<b>0907</b>  APLICAÇÃO Application / Aplicación Pg. 105	<b>1.01.0907.0</b>		<b>0910</b>  APLICAÇÃO Application / Aplicación Pg. 105	<b>1.01.0910.0</b>		<b>0915</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0915.0</b>	
	T	20		T	13		T	8		T	9
	G	14.7		G	46		G	32.4		G	25.8
	L	110		L	46.5		L	77.5		L	55
	SPL	5		SPL	12		SPL	6		SPL	9
	ID	-		ID	12.02		ID	14.26		ID	12.06
	D	60		D	45.3		D	60		D	46.5
	FAM	128		FAM	115		FAM	080		FAM	117
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>0916</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0916.0</b>		<b>0926</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0926.0</b>		<b>0935</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0935.0</b>		<b>0937</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0937.0</b>	
	T	9		T	9		T	11		T	10
	G	36.5		G	25.8		G	29.5		G	27.94
	L	61		L	56.5		L	55		L	80.5
	SPL	10		SPL	12		SPL	9		SPL	16
	ID	12		ID	12		ID	12		ID	11
	D	60		D	46.5		D	46.5		D	54.5
	FAM	085		FAM	131		FAM	087		FAM	079
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
<b>0940</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0940.0</b>		<b>0953</b>  APLICAÇÃO Application / Aplicación Pg. 106	<b>1.01.0953.0</b>		<b>0959</b>  APLICAÇÃO Application / Aplicación Pg. 107	<b>1.01.0959.0</b>		<b>0961</b>  APLICAÇÃO Application / Aplicación Pg. 107	<b>1.01.0961.0</b>	
	T	8		T	9		T	18		T	11
	G	24.7		G	35.5		G	13.2		G	29.5
	L	70.5		L	88		L	82		L	61.5
	SPL	8		SPL	3		SPL	6		SPL	9
	ID	12		ID	16.1		ID	-		ID	12
	D	45.5		D	60		D	45.3		D	54.5
	FAM	047		FAM	028		FAM	116		FAM	085
	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>0976</b>   APLICAÇÃO Application / Aplicación Pg. 107	<b>1.01.0976.0</b>	<b>0978</b>   APLICAÇÃO Application / Aplicación Pg. 107	<b>1.01.0978.0</b>	<b>0991</b>   APLICAÇÃO Application / Aplicación Pg. 107	<b>1.01.0991.0</b>	<b>1022</b>   APLICAÇÃO Application / Aplicación Pg. 108	<b>1.01.1022.0</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>1023</b>   APLICAÇÃO Application / Aplicación Pg. 108	<b>1.01.1023.0</b>	<b>1024</b>   APLICAÇÃO Application / Aplicación Pg. 108	<b>1.01.1024.0</b>	<b>1025</b>   APLICAÇÃO Application / Aplicación Pg. 108	<b>1.01.1025.0</b>	<b>1026</b>   APLICAÇÃO Application / Aplicación Pg. 108	<b>1.01.1026.0</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>1031</b>   APLICAÇÃO Application / Aplicación Pg. 109	<b>1.01.1031.0</b>	<b>1037</b>   APLICAÇÃO Application / Aplicación Pg. 109	<b>1.01.1037.0</b>	<b>1047</b>   APLICAÇÃO Application / Aplicación Pg. 109	<b>1.01.1047.0</b>	<b>1057</b>   APLICAÇÃO Application / Aplicación Pg. 109	<b>1.01.1057.0</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>1058</b>   APLICAÇÃO Application / Aplicación Pg. 109	<b>1.01.1058.0</b>	<b>1063</b>   APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1063.0</b>	<b>1070</b>   APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1070.0</b>	<b>1072</b>   APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1072.0</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>1081</b>  APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1081.0</b>	<b>1082</b>  APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1082.0</b>	<b>1108</b>  APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1108.0</b>	<b>1117</b>  APLICAÇÃO Application / Aplicación Pg. 110	<b>1.01.1117.0</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>1134</b>  APLICAÇÃO Application / Aplicación Pg. 111	<b>1.01.1134.0</b>	<b>1158</b>  APLICAÇÃO Application / Aplicación Pg. 111	<b>1.01.1158.0</b>	<b>1159</b>  APLICAÇÃO Application / Aplicación Pg. 111	<b>1.01.1159.0</b>	<b>1161</b>  APLICAÇÃO Application / Aplicación Pg. 111	<b>1.01.1161.0</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>1173</b>  APLICAÇÃO Application / Aplicación Pg. 111	<b>1.01.1173.0</b>	<b>1174</b>  APLICAÇÃO Application / Aplicación Pg. 111	<b>1.01.1174.0</b>	<b>1184</b>  APLICAÇÃO Application / Aplicación Pg. 112	<b>1.01.0020.1</b>	<b>1187</b>  APLICAÇÃO Application / Aplicación Pg. 112	<b>1.01.0287.1</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>1188</b>  APLICAÇÃO Application / Aplicación Pg. 112	<b>1.01.0409.1</b>	<b>1189</b>  APLICAÇÃO Application / Aplicación Pg. 112	<b>1.01.0433.1</b>	<b>1194</b>  APLICAÇÃO Application / Aplicación Pg. 112	<b>1.01.0629.1</b>	<b>1217</b>  APLICAÇÃO Application / Aplicación Pg. 113	<b>1.01.0941.1</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>1359</b>  APLICAÇÃO Application / Aplicación Pg. 113	<b>1.01.0024.4</b>		<b>1364</b>  APLICAÇÃO Application / Aplicación Pg. 113	<b>1.01.0105.4</b>		<b>1372</b>  APLICAÇÃO Application / Aplicación Pg. 113	<b>1.01.0748.4</b>		<b>1458</b>  APLICAÇÃO Application / Aplicación Pg. 114	<b>1.01.1458.0</b>	
	T	10		T	9		T	10		T	11
	G	40		G	34.8		G	37.8		G	30.04
	L	79.5		L	91		L	91		L	54.5
	SPL	6		SPL	10		SPL	10		SPL	10
	ID	14.3		ID	14.3		ID	14.3		ID	12
	D	60		D	60		D	60		D	54.5
<b>1539</b>  APLICAÇÃO Application / Aplicación Pg. 114	<b>1.01.1539.0</b>		<b>1555</b>  APLICAÇÃO Application / Aplicación Pg. 114	<b>1.01.1555.0</b>		<b>1563</b>  APLICAÇÃO Application / Aplicación Pg. 114	<b>1.01.1563.0</b>		<b>1567</b>  APLICAÇÃO Application / Aplicación Pg. 114	<b>1.01.1567.0</b>	
	T	12		T	13		T	20		T	12
	G	37.6		G	40.8		G	14.7		G	37.26
	L	46.5		L	110.5		L	91		L	51
	SPL	12		SPL	-		SPL	5		SPL	8
	ID	12		CT	40		ID	-		ID	13.01
	D	45.3		D	-		D	54.5		D	46.5
<b>1585</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1585.0</b>		<b>1596</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1596.0</b>		<b>1601</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1601.0</b>		<b>1607</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1607.0</b>	
	T	11		T	9		T	11		T	10
	G	34.4		G	34.8		G	34.8		G	32.18
	L	46.6		L	80		L	102		L	54.5
	SPL	6		SPL	10		SPL	-		SPL	9
	ID	12.06		ID	14.01		CT	40		ID	12
	D	45.3		D	60		D	-		D	54.5
<b>1613</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1613.0</b>		<b>1614</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1614.0</b>		<b>1618</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1618.0</b>		<b>1619</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1619.0</b>	
	T	11		T	10		T	10		T	9
	G	34.4		G	27.5		G	32.18		G	25.8
	L	55		L	47		L	45.5		L	48
	SPL	9		SPL	6		SPL	10		SPL	16
	ID	12		ID	12		ID	12.06		ID	11
	D	46.6		D	46.5		D	48.7		D	46.5
<b>1613</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1613.0</b>		<b>1614</b>  APLICAÇÃO Application / Aplicación Pg. 115	<b>1.01.1614.0</b>		<b>1618</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1618.0</b>		<b>1619</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1619.0</b>	
	FAM	115		FAM	046		FAM	124		FAM	085
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
	FAM	117		FAM	132		FAM	047		FAM	074
	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>1629</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1629.0</b>		<b>1635</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1635.0</b>		<b>1638</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1638.0</b>		<b>1642</b>  APLICAÇÃO Application / Aplicación Pg. 116	<b>1.01.1642.0</b>	
	T	10		T	9		T	9		T	12
	G	27.5		G	37.18		G	34.8		G	38.8
	L	57.5		L	60.9		L	69.5		L	56
	SPL	16		SPL	10		SPL	10		SPL	10
	ID	12		ID	12.06		ID	12		ID	12.06
	D	52.5		D	60		D	52.7		D	53.5
	FAM	094		FAM	046		FAM	094		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1643</b>  APLICAÇÃO Application / Aplicación Pg. 117	<b>1.01.1643.0</b>		<b>1650</b>  APLICAÇÃO Application / Aplicación Pg. 117	<b>1.01.1650.0</b>		<b>1667</b>  APLICAÇÃO Application / Aplicación Pg. 117	<b>1.01.1667.0</b>		<b>1676</b>  APLICAÇÃO Application / Aplicación Pg. 117	<b>1.01.1676.0</b>	
	T	9		T	9		T	19		T	12
	G	29.64		G	36.3		G	14.65		G	37.26
	L	58		L	55		L	126		L	92.7
	SPL	16		SPL	10		SPL	10		SPL	-
	ID	12		ID	12		ID	-		CT	44
	D	54.5		D	52.7		D	65		D	-
	FAM	094		FAM	094		FAM	134		FAM	122
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>1692</b>  APLICAÇÃO Application / Aplicación Pg. 117	<b>1.01.1692.0</b>		<b>1696</b>  APLICAÇÃO Application / Aplicación Pg. 117	<b>1.01.1696.0</b>		<b>1712</b>  APLICAÇÃO Application / Aplicación Pg. 118	<b>1.01.1712.0</b>		<b>1715</b>  APLICAÇÃO Application / Aplicación Pg. 118	<b>1.01.1715.0</b>	
	T	10		T	12		T	9		T	9
	G	32		G	31.8		G	25.8		G	25.8
	L	55.2		L	51.5		L	82.3		L	52
	SPL	9		SPL	10		SPL	11		SPL	12
	ID	12		ID	12		ID	11		ID	12.06
	D	54.5		D	47.4		D	46.6		D	43.5
	FAM	085		FAM	094		FAM	138		FAM	047
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
<b>1755</b>  APLICAÇÃO Application / Aplicación Pg. 118	<b>1.01.1755.0</b>		<b>1756</b>  APLICAÇÃO Application / Aplicación Pg. 118	<b>1.01.1756.0</b>		<b>1761</b>  APLICAÇÃO Application / Aplicación Pg. 118	<b>1.01.1761.0</b>		<b>1764</b>  APLICAÇÃO Application / Aplicación Pg. 119	<b>1.01.1764.0</b>	
	T	9		T	10		T	10		T	11
	G	25.82		G	28.15		G	27.94		G	34.5
	L	41.15		L	45.5		L	51		L	50.7
	SPL	4		SPL	10		SPL	8		SPL	8
	ID	10.1		ID	12		ID	12		ID	12
	D	46.3		D	48.9		D	46.5		D	45.3
	FAM	089		FAM	047		FAM	110		FAM	110
	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>1769</b>  APLICAÇÃO Application / Aplicación Pg. 119	<b>1.01.1769.0</b>		<b>1776</b>  APLICAÇÃO Application / Aplicación Pg. 119	<b>1.01.1776.0</b>		<b>1794</b>  APLICAÇÃO Application / Aplicación Pg. 119	<b>1.01.1794.0</b>		<b>1807</b>  APLICAÇÃO Application / Aplicación Pg. 119	<b>1.01.1807.0</b>	
	T	23		T	9		T	11		T	12
	G	17.5		G	28		G	34.8		G	39
	L	106.8		L	45.13		L	48.3		L	63
	SPL	6		SPL	8		SPL	6		SPL	8
	ID	14.02		ID	12		ID	12		ID	13.01
	D	60		D	48.9		D	46.1		D	46.5
	FAM	109		FAM	047		FAM	047		FAM	112
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1812</b>  APLICAÇÃO Application / Aplicación Pg. 119	<b>1.01.1812.0</b>		<b>1815</b>  APLICAÇÃO Application / Aplicación Pg. 120	<b>1.01.1815.0</b>		<b>1840</b>  APLICAÇÃO Application / Aplicación Pg. 120	<b>1.01.1840.0</b>		<b>1845</b>  APLICAÇÃO Application / Aplicación Pg. 120	<b>1.01.1845.0</b>	
	T	11		T	9		T	9		T	10
	G	29.38		G	36.3		G	36.3		G	40
	L	45		L	53.7		L	60.9		L	49.6
	SPL	10		SPL	10		SPL	12		SPL	10
	ID	12		ID	12		ID	12.1		ID	12
	D	48.9		D	52.7		D	46.6		D	53.5
	FAM	047		FAM	094		FAM	047		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1849</b>  APLICAÇÃO Application / Aplicación Pg. 120	<b>1.01.1849.0</b>		<b>1856</b>  APLICAÇÃO Application / Aplicación Pg. 120	<b>1.01.1856.0</b>		<b>1862</b>  APLICAÇÃO Application / Aplicación Pg. 120	<b>1.01.1862.0</b>		<b>1863</b>  APLICAÇÃO Application / Aplicación Pg. 121	<b>1.01.1863.0</b>	
	T	9		T	11		T	9		T	9
	G	29.64		G	27.5		G	36		G	29.64
	L	110.7		L	90.8		L	95.3		L	83
	SPL	6		SPL	16		SPL	-		SPL	-
	ID	11		ID	11		CT	41		CT	40
	D	45.3		D	50.5		D	-		D	-
	FAM	155		FAM	079		FAM	145		FAM	124
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
<b>1873</b>  APLICAÇÃO Application / Aplicación Pg. 121	<b>1.01.1873.0</b>		<b>1874</b>  APLICAÇÃO Application / Aplicación Pg. 121	<b>1.01.1874.0</b>		<b>1876</b>  APLICAÇÃO Application / Aplicación Pg. 121	<b>1.01.1876.0</b>		<b>1877</b>  APLICAÇÃO Application / Aplicación Pg. 121	<b>1.01.1877.0</b>	
	T	8		T	12		T	11		T	10
	G	28.2		G	38.8		G	34.5		G	27.8
	L	60.1		L	56.2		L	42.5		L	81.2
	SPL	10		SPL	10		SPL	8		SPL	-
	ID	12		ID	12		ID	12		ID	-
	D	44.7		D	50.9		D	46.5		D	44.2
	FAM	047		FAM	094		FAM	110		FAM	146
	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>1886</b>  APLICAÇÃO Application / Aplicación Pg. 122	T	10	<b>1899</b>  APLICAÇÃO Application / Aplicación Pg. 122	T	10	<b>1906</b>  APLICAÇÃO Application / Aplicación Pg. 122	T	30	<b>1914</b>  APLICAÇÃO Application / Aplicación Pg. 122	T	9
	G	27.5		G	32		G	21.3		G	29.6
	L	50.6		L	48		L	90.6		L	88.1
	SPL	6		SPL	10		SPL	8		SPL	16
	ID	12.06		ID	11		ID	11		ID	11
	D	48.7		D	46.5		D	46.5		D	47.8
	FAM	047		FAM	074		FAM	114		FAM	062
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1918</b>  APLICAÇÃO Application / Aplicación Pg. 122	T	11	<b>1919</b>  APLICAÇÃO Application / Aplicación Pg. 122	T	11	<b>1935</b>  APLICAÇÃO Application / Aplicación Pg. 123	T	15	<b>1939</b>  APLICAÇÃO Application / Aplicación Pg. 123	T	13
	G	43.7		G	41		G	38.2		G	34.55
	L	121.5		L	96.6		L	58.5		L	51.4
	SPL	-		SPL	16		SPL	10		SPL	16
	ID	-		ID	11		ID	11.02		ID	11
	D	46.5		D	53.4		D	45.6		D	47.4
	FAM	160		FAM	159		FAM	162		FAM	074
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1942</b>  APLICAÇÃO Application / Aplicación Pg. 123	T	12	<b>1946</b>  APLICAÇÃO Application / Aplicación Pg. 124	T	11	<b>1952</b>  APLICAÇÃO Application / Aplicación Pg. 124	T	11	<b>1957</b>  APLICAÇÃO Application / Aplicación Pg. 124	T	11
	G	31.8		G	34.4		G	40		G	29.3
	L	43.5		L	46.9		L	83		L	102
	SPL	10		SPL	8		SPL	10		SPL	-
	ID	11.02		ID	12.06		ID	14.3		CT	40
	D	45.9		D	48.7		D	60		D	-
	FAM	143		FAM	030		FAM	082		FAM	124
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
<b>1982</b>  APLICAÇÃO Application / Aplicación Pg. 124	T	12	<b>1985</b>  APLICAÇÃO Application / Aplicación Pg. 125	T	13	<b>1990</b>  APLICAÇÃO Application / Aplicación Pg. 125	T	12	<b>2002</b>  APLICAÇÃO Application / Aplicación Pg. 125	T	9
	G	32.28		G	34.65		G	46.5		G	35.2
	L	51.4		L	93.2		L	153.5		L	69.4
	SPL	16		SPL	16		SPL	-		SPL	10
	ID	11		ID	11		ID	-		ID	12.06
	D	47.4		D	45.3		D	46.5		D	54.5
	FAM	074		FAM	151		FAM	160		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

2004			2005			2014			2039		
 <p>APLICAÇÃO Application / Aplicación Pg. 125</p>	T	10	 <p>APLICAÇÃO Application / Aplicación Pg. 125</p>	T	12	 <p>APLICAÇÃO Application / Aplicación Pg. 126</p>	T	12	 <p>APLICAÇÃO Application / Aplicación Pg. 126</p>	T	12
	G	37.8		G	29.2		G	38.8		G	31.8
	L	101.7		L	81.7		L	55.5		L	46.9
	SPL	5		SPL	4		SPL	16		SPL	6
	ID	-		ID	12		ID	12.03		ID	12
	D	45.9		D	48.9		D	53.5		D	45.5
	FAM	166		FAM	109		FAM	094		FAM	115
	CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário

<b>10003</b>	1.01.0952.1	
	T	9
	G	25.82
	L	47
	SPL	6
	ID	12
	D	46.5
	FAM	132
	CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 126		

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


0280			9526			9791		
	T	10		T	9		T	13
	G	29.64		G	33		G	51.1
	L	58		L	87		L	18.2
	SPL	4		SPL	10		SPL	20
	FAM	064		FAM	406		FAM	407
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 127			APLICAÇÃO Application / Aplicación Pg. 127			APLICAÇÃO Application / Aplicación Pg. 127		

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. 128		
CW/CCW	Horário	

12681		
	A	97.3
	B	19.5
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 128		
CW/CCW	Horário	

12682		
	A	98.7
	B	17.3
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 128		
CW/CCW	Horário	

12683		
	A	92.1
	B	21.3
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 128		
CW/CCW	Horário	


12684		
	A	119.7
	B	16.3
	D	13.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 128		
CW/CCW	Horário	

12685		
	A	115.8
	B	21.5
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 129		
CW/CCW	Anti-horário	

12686		
	A	119.7
	B	19
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 129		
CW/CCW	Horário	

12687		
	A	136.2
	B	19.3
	D	11.96
	d	8.04
	SPL	10
APLICAÇÃO Application / Aplicación Pg. 129		
CW/CCW	Anti-horário	

12720		
	A	79
	B	15
	D	11.94
	d	8.04
	SPL	12
APLICAÇÃO Application / Aplicación Pg. 129		
CW/CCW	Horário	

12841		
	A	80.8
	B	2.5
	D	14.2
	d	8.04
	SPL	16
APLICAÇÃO Application / Aplicación Pg. 129		
CW/CCW	Horário	

13585		
	A	-
	B	-
	D	-
	d	-
	SPL	-
APLICAÇÃO Application / Aplicación Pg. 130		
CW/CCW	-	

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**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. 71

**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. 71

**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. 71

**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

**0034****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**APLICAÇÃO / Application / Aplicación**

**Case:** Pá Carregadeira W20 ...09/1976 - **CBT:** Oliver 1020 ...09/1976 | Oliver 1065 ...09/1976 | Oliver 1105 ...09/1976 | Oliver 950 ...09/1976 - **Chrysler:** Dodge D950 MWM ...07/1977 - **Clark:** Pá Carregadeira Michigam 55A ...09/1976 | Pá Carregadeira Michigam 65R ...09/1976 | Pá Carregadeira Michigam 75III ...09/1976  
**Massey Ferguson:** MF85 - **Mercedes Benz:** 1111 (OM321) | 1113 | 1313 | 1316 | 1513 | 1516 | 2013 | 2015 | 2213 (OM352) | 2216 (OM352A) | L408DG | L508G | L608DG | LP608 | LP808 | Micro ônibus L608D (OM314) | O362 MWM D226-4 ...09/1976 | O362A Autolite | OM314 | OM321 | OM321 marítimo 1959 ED | OM324 | OM324 marítimo 1961 ED | OM326 | OM326 marítimo 1963 | OM352 | OM352A | U54 | U66 | U72 | U80 - **MWM:** Motor D2256 ...07/1977 - **Toyota:** Bandeirante MBB-OM314 ...09/1976

**MOTOR**

**Bosch:** 0001358030 | 9000082020 | 9000083001 | 9000083011 | 9000083012 | 9000083014 | 9000083018 | 9000083020 | 9000083029

**EQUIVALENTE / Equivalent**

**Bosch:** 9001083440 - **Lucas:** TNB461 - **Lucas Indiel:** 222461 - **Mercedes Benz:** 3431517113

**0045****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**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

**0056****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**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

**0064****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**APLICAÇÃO / Application / Aplicación**

**Ford:** Retroescavadeira | Transit

**MOTOR**

**Facet:** 26211M/T - **Ford:** 26211 | 26291 - **Italacciai:** 26211M - **Lucas Indiel:** 26312 | 26338 | 26339 | 26395 | S5012 | 26312A | 26211M/T | 26227A/Q | 26291A/D | 26305A/B | 26350A/B | 26312AM50 | 26211MTM50 | 26291ADM50 | 26305ABM50

**EQUIVALENTE / Equivalent**

**Facet:** 10325 - **Ford:** 2701E11350B | 72DB11K003AA - **Italacciai:** SD341 - **Lester:** 16608 - **Lucas:** TMB101 | 54240795 | 54243848 | 54246661 | 54247188 | 54258190 | 60600210 - **Lucas Indiel:** 223164 - **WAI:** 549201

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**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. 71

**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**0070****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**APLICAÇÃO / Application / Aplicación****Chrysler:** Dodge Álcool 1981... | Dodge D100 gasolina | Dodge D900 gasolina**MOTOR****Bosch:** 9000453025 - **Wapsa:** MPB22 | MPB55**EQUIVALENTE / Equivalent****Bosch:** 9001453284 - **Wapsa:** 224029**0082****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**APLICAÇÃO / Application / Aplicación****Ford:** F1000 Georgia | F75 Georgia | Maverick Georgia 4 cil - **Willys:** Jeep Georgia**EQUIVALENTE / Equivalent****Bosch:** 9001082306 - **Volkswagen:** BD7D11350A**0104****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

**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

0105

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

## APLICAÇÃO / Application / Aplicación

**Agrale:** Caminhão 1600D | Caminhão 1800D | Caminhão TX1600D - **Case:** Escavadeira Hidráulica 80CP | Escavadeira Hidráulica 80CR | Pá Carregadeira W18 | Pá Carregadeira W20 | Pá Carregadeira W20B | W18 | W20 (MBB-OM 352) | W20B (MBB-OM 352A) - **CBT:** Trator 1065 (MBB-OM 314) | Trator 1105 (MBB-OM 352) | Trator 2080 (MBB-OM 314) | Trator 2105 (MBB-OM 352) | Trator 2600 10/1976... | Trator 8060 4x4 (MBB-OM 352) | Trator 8440 10/1976... | Trator Oliver 1020 10/1976... | Trator Oliver 1065 10/1976... | Trator Oliver 950 10/1976... - **Chrysler:** Caminhão Dodge D950 com motor MWM | Caminhão Dodge P700 com motor MWM | Caminhão Dodge P900 com motor MWM - **Clark:** Pá Carregadeira Michigan 45C | Pá Carregadeira Michigan 55A | Pá Carregadeira Michigan 55C | Pá Carregadeira Michigan 65R | Pá Carregadeira Michigan 75III - **Deutz:** Trator 100S 01/1981... | Trator 120S 01/1981... | Trator 4.190 01/1981... | Trator 80S 01/1981... | Trator AX 4.100 01/1981...

**Fiat Allis:** Escavadeira Hidráulica FE105 | Motoniveladora FG70 | Motoniveladora FG85 - **Ford:** Cargo C 1215 | Cargo C 1216 | Cargo C 1217 | Cargo C 1415 | Cargo C 1416 | Cargo C 1417 | Cargo C 1421 | Cargo C 1617 | Cargo C 1621 | Cargo C 814 | Cargo C 815 | F4000 - **John Deere:** Trator Série 7000 com motor MMB | Trator Série 7200 turbo com motor MMB | Trator Série 7700 com motor MMB | Trator Série 7700 turbo com motor MMB - **Komatsu:** Trator de Esteiras D30E MBB OM 352, 352A | Trator de Esteiras D50A MBB OM 352, 352A | Trator de Esteiras D50P MBB OM 352, 352A - **Mercedes Benz:** Caminhão / Ônibus LP1219 | Caminhão / Ônibus 1113 | Caminhão / Ônibus 1214 | Caminhão / Ônibus 1218 | Caminhão / Ônibus 1313 | Caminhão / Ônibus 1316 | Caminhão / Ônibus 1414 | Caminhão / Ônibus 1418 | Caminhão / Ônibus 1513 | Caminhão / Ônibus 1516 | Caminhão / Ônibus 1614 | Caminhão / Ônibus 1618 | Caminhão / Ônibus 1621 | Caminhão / Ônibus 1720 | Caminhão / Ônibus 2013 | Caminhão / Ônibus 2016 | Caminhão / Ônibus 2213 | Caminhão / Ônibus 2215 | Caminhão / Ônibus 2216 | Caminhão / Ônibus L1319 | Caminhão / Ônibus L608D | Caminhão / Ônibus L610(OM 352) | Caminhão / Ônibus L709D | Caminhão / Ônibus LP1419 | Chassi p/ Ônibus OF/OH 1113 com motor M366G | Chassi p/ Ônibus OF/OH 1115 com motor M366G | Chassi p/ Ônibus OF/OH 1313 com motor M366G | Chassi p/ Ônibus OF/OH 1315 com motor M366G | Chassi p/ Ônibus OF/OH 1316 com motor M366G | Chassi p/ Ônibus OF/OH O364 com motor M366G | Chassi p/ Ônibus OF/OH O371U com motor M366G - **Müller:** Trator RT 62H MWM 229.3 01/1995... | Trator RT 82H MWM 229.3 01/1995... | Trator VAP 55 MWM 229.3 01/1995... - **MWM:** Motor D2256 08/1977... | Motor D2294 08/1977... | Motor D2296 08/1977... | Motor TD2296 08/1977... - **New Holland:** Colheitadeira FNH 8040 MBB-OM352 | Colheitadeira FNH 8055 MBB-OM352A - **Puma:** Caminhão 900 série 914 com motor MWM 229.4 09/1995... - **Toyota:** Bandeirante MBB-OM 314 10/1976... - **Valmet:** Trator 110ID 08/1977... | Trator 118 08/1977... | Trator 128 08/1977... | Trator 138 08/1977... | Trator 138/4 turbo 08/1977... | Trator 148 08/1977... | Trator 78 08/1977... | Trator 85ID 08/1977... | Trator 88 08/1977... | Trator 880 08/1977... | Trator 980 08/1977... - **Volkswagen:** Caminhão VW11.130 | Caminhão VW13.130 | Caminhão VW6.90 | Caminhão VW7.110S | Caminhão VW7.90S | Chassi VW7.90CE | Chassi VW7.90CO | Chassi VW7.90S - **Yanmar:** Motor Estacionário BT22 | Motor Estacionário BT33 | Motor Estacionário BTD22 | Motor Estacionário BTD33 | Trator 1050D | Trator 1050D 4x4

## MOTOR

**Bosch:** 0001354084 | 0001359031 | 0001359055 | 0001359057 | 0001359062 | 0001359071 | 0001359072 | 0001359073 | 0001359074 | 0001359083 | 0001359084 | 0001359087 | 0001359089 | 0001359091 | 0001359097 | 0001359100 | 0001359101 | 0001359111 | 0001359113 | 0001359118 | 0001359119 | 0001360004 | 0001360025 | 0001360027 | 0001360030 | 0001360031 | 0001360032 | 0001360034 | 0001360035 | 0001360036 | 0001360037 | 0001360038 | 0001360039 | 0001360040 | 0001360046 | 0001360047 | 0001360049 | 0001360056 | 0001360057 | 0001360059 | 0001360061 | 0001360065 | 0001364108 | 0001365007 | 0001365008 | 9000083027 | 9000083028 | 9000083031 | 9000083036 | 9000083045 | 9000083046 | 9000083050 | 9000083052 | 9000083053 | 9000083054 | 9000083056 | 9000083060 | 9000083061 | 9000083063 | 9000083064 | 9000083065 | 9000083066 | 9000083067 | 9000083068 | 9000083074 | 9000453082 | 9000453083

## EQUIVALENTE / Equivalent

**Bosch:** 2006209421 | 2006209436 | 2006209446 | 9001083406 | 9001083436 | 9002453073 - **Fiat:** 8122129 | 9008243 | 9926112 | 9957919 | 79028900 | 79028909  
**Italacciai:** SD124 - **Lester:** 16560 | 17073 | 17074 | 17076 | 17106 | 17136 | 17184 | 17228 | 17230 | 18029 | 18030 | 18032 | 18033 | 18111 | 18229 | 18237 - **Lucas:** TNB407 - **Lucas Indiel:** 222407 - **Mercedes Benz:** 0001517013 - **Volkswagen:** 04053926 - **WAI:** 549108

0108

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

## 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

0108

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 71

## 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

0115

## IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

## 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. 72

## 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. 72

## 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. 72

## 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. 72

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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

**0161****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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

**0184****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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

**0184****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**MOTOR**

**Ford:** SAE674A | D27Z11002A | D2TZ11002A | D37Z11002A | D2TZ110002A - **Italacciai:** 28002150 - **Mazda:** 57818400 - **Mitsubishi:** MD011550 - **Nippondenso:** 280000430 | 280001730 | 280001940 | 280001970 | 280001971 | 280001972 | 280001973 | 280002140 | 280002141 | 280002150 | 280002241 | 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

**0223****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

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**APLICAÇÃO / Application / Aplicación**

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

**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. 72

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**APLICAÇÃO / Application / Aplicación**

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

**MOTOR**

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

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**EQUIVALENTE / Equivalent**

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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 - **Italacciai:** SD184 - **Lucas Indiel:** 223227  
**WAI:** 549117

**0301****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**APLICAÇÃO / Application / Aplicación**

**Fiat Iveco:** 30.8 | 35.8 | 40.8 | Daily 28.8 | Daily 30.8 | Daily 35.8 | Daily 40.8 | Daily N100 | Daily N110 | Daily N40 | Daily N40.35 | Daily N50 | Daily N55 | Daily N60 | Daily N65

**MOTOR**

**Bosch:** 0001358049 | 0001359012 | 0001359014 | 0001359025 | 0001359027 | 0001359043

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209341 - **Lester:** 16560 | 17073 | 17074 | 17076 | 17106 | 17136 | 17184 | 17228 | 17230 | 18032 | 18111 | 18229 | 18237

**0310****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 72

**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 - **Italacciai:** 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. 72

**APLICAÇÃO / Application / Aplicación**

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

**MOTOR**

**Bosch:** 0001358201 | 0001358202

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209407 | 2006209437 - **Italacciai:** SD315 - **WAI:** 5491149

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

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**EQUIVALENTE / Equivalent**

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

**0349****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

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**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 | S144301 | 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 | 2330069960 | 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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

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**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

**0378****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**APLICAÇÃO / Application / Aplicación**

**Atlas Copco:** Caminhões | Tratores - **Deutz:** Caminhões | Tratores - **Lamborghini:** C603 | DT704 | L603 | R704 - **Mercedes Benz:** Caminhões | Tratores - **Pegaso:** Camion - **Same:** Caminhões | Tratores - **Scania:** Caminhões | Tratores - **Valmet:** HR492AT | HR688H | HR688HT | HR692HT | Trator 985 - **Volkswagen:** LT28 | LT31 | LT35D

**MOTOR**

**Bosch:** 0001362064 | 0001362301 | 0001362303 | 0001362304 | 0001363118 | 0001366008 | 0001367008 | 0001367009 | 0001367013 | 0001367015 | 0001367018 | 0001367024 | 0001367032 | 0001367043 | 0001367067 | 0001368006 | 0001368009 | 0001368015 | 0001368025 | 0001368039 | 0001368041 | 0001368046 | 0001368049 | 0001368050 | 0001368058 | 0001368071 | 0001369009

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209425 | 2006209494 - **Italacciai:** SD313 - **Lester:** 17113 | 17229 | 18236 - **Lucas Indiel:** 223313 - **Remy:** 19024525 - **WAI:** 549109

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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 - **Italacciai:** 4469987 - **Magneti Marelli:** 63221308 | 63221338 | 63221400 | 63221401 | 63221430 | 63221431 | 63221508 | 63221538 | 63221637

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0010 - **Femsa:** 1706126 - **Fiat:** 9937207 | 9941640 - **Italacciai:** SD188 - **Lucas Indiel:** 228042 - **WAI:** 549303

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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 - **Italacciai:** SD441 - **Lester:** 16565 | 16567 | 17113 | 17229 | 17258 | 18028 - **Remy:** 19024518 - **WAI:** 549113

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**APLICAÇÃO / Application / Aplicación**

**Chrysler:** Dodge 1500 - **Peugeot:** 404

**EQUIVALENTE / Equivalent**

**Bosch:** 1987BE0034 - **Femsa:** 170616 - **Lucas Indiel:** 221830

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

**0468****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

**0468****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**MOTOR****Lucas Indiel:** 35258380**EQUIVALENTE / Equivalent****Bosch:** 1987BE0016 - **Lucas Indiel:** 227785 | 228139 | 35257525 | 35258139**0482****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

**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

**0486****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**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

**APLICAÇÃO / Application / Aplicación**

Chevy: Windrover 6000 225 gasolina 1985...1992 | Windrover 6500 225 gasolina 1985...1992 - **Chrysler:** 300 V8 7.2L 440cid 1966...1971 | 300 V8 7.2L 721cc 440cid 1966...1971 | 300 V8 7.2L 721cc 440cid 1970...1971 | Cordoba L6 3.7L 3687cc 225cid 1980...1983 | Cordoba V8 5.2L 318cid 1975...1983 | Cordoba V8 5.9L 360cid 1975...1980 | Cordoba V8 6.6L 400cid 1975...1978 | Fifth Avenue L6 3.7L 3687cc 225cid 1983 | Fifth Avenue V8 5.2L 318cid 1983...1987 | Imperial V8 5.2L 318cid 1981...1983 | Imperial V8 7.2L 440cid 1966...1975 | Imperial V8 7.2L 721cc 440cid 1966...1974 | Imperial V8 7.2L 721cc 440cid 1970...1974 | LeBaron L6 3.7L 3687cc 225cid 1978...1981 | LeBaron V8 5.2L 318cid 1977...1981 | LeBaron V8 5.9L 360cid 1978...1979 | New Yorker L6 3.7L 3687cc 225cid 1982 | New Yorker V8 5.2L 318cid 1979...1982 | New Yorker V8 5.9L 360cid 1977...1980 | New Yorker V8 6.6L 400cid 1972 | New Yorker V8 6.6L 400cid 1975...1978 | New Yorker V8 6.6L 6555cc 400cid 1972 | New Yorker V8 7.2L 440cid 1968...1978 | New Yorker V8 7.2L 721cc 440cid 1966...1974 | New Yorker V8 7.2L 721cc 440cid 1970...1974 | Newport L6 3.7L 3687cc 225cid 1979...1981 | Newport V8 5.2L 318cid 1979...1981 | Newport V8 5.9L 360cid 1971...1972 | Newport V8 5.9L 360cid 1974...1980 | Newport V8 5.9L 5899cc 360cid 1977...1974 | Newport V8 5.9L 5900cc 360cid 1971...1972 | Newport V8 5.9L 5900cc 360cid 1974 | Newport V8 6.3L 383cid 1969...1971 | Newport V8 6.3L 6286cc 383cid 1969...1971 | Newport V8 6.6L 400cid 1972...1978 | Newport V8 6.6L 6555cc 400cid 1972...1974 | Newport V8 7.2L 440cid 1967...1978 | Newport V8 7.2L 721cc 440cid 1966...1974 | Newport V8 7.2L 721cc 440cid 1970...1974 | Town Country L6 3.7L 3687cc 225cid 1978...1981 | Town Country V8 5.9L 360cid 1978...1979 | Town Country V8 6.3L 383cid 1968...1971 | Town Country V8 6.3L 6286cc 383cid 1968...1971 | Town Country V8 6.6L 400cid 1972 | Town Country V8 6.6L 400cid 1975...1977 | Town Country V8 6.6L 6555cc 400cid 1972...1974 | Town Country V8 6.6L 6555cc 400cid 1972 | Town Country V8 7.2L 440cid 1968...1977 | Town Country V8 7.2L 721cc 440cid 1968...1974 | Town Country V8 7.2L 721cc 440cid 1970...1974 - **Cockshutt:** 5542 Chrysler 8...383 1969...1971 | 555 Chrysler 383 Engine 1969...1971 - **Dodge:** 330 V8 4.5L 4473cc 273cid 1964 | 330 V8 5.2L 5212cc 318cid 1963...1964 | 440 V8 4.5L 4473cc 273cid 1964 | 440 V8 5.2L 5212cc 318cid 1963...1964 | 880 V8 4.5L 4473cc 273cid 1964 | 880 V8 5.2L 5212cc 318cid 1963...1964 | Aspen L6 3.7L 3687cc 225cid 1976...1980 | Aspen V8 5.2L 318cid 1976...1980 | Challenger L6 3.7L 225cid 1970 | Challenger L6 3.7L 3687cc 225cid 1970...1972 | Challenger V8 5.2L 318cid 1970...1974 | Challenger V8 5.2L 5212cc 318cid 1970...1974 | Charger L6 3.7L 225cid 1972 | Charger L6 3.7L 3687cc 225cid 1972...1974 | Charger L6 3.7L 3687cc 225cid 1976 | Charger V8 5.2L 318cid 1967...1978 | Charger V8 5.2L 5212cc 318cid 1966...1974 | Coronet L6 3.7L 225cid 1972 | Coronet L6 3.7L 3687cc 225cid 1972...1976 | Coronet V8 5.2L 318cid 1965...1976 | Coronet V8 5.2L 5212cc 318cid 1965...1974 | Custom V8 4.5L 4473cc 273cid 1964...1965 | Custom V8 5.2L 5212cc 318cid 1962...1965 | D100 V8 5.9L 360cid 1975...1979 | D100 V8 5.9L 360cid 1986...1987 | D100 V8 6.6L 400cid 1976...1978 | D100 V8 6.6L 400cid 1975...1978 | D100 V8 6.6L 400cid 1975...1978 | D100 Pick Up V8 5.9L 360cid 1971...1974 | D100 Pick Up V8 5.9L 5899cc 360cid 1971...1974 | D100 Pick Up V8 5.9L 5900cc 360cid 1971...1974 | D100 Pick Up V8 6.3L 383cid 1968...1971 | D100 Pick Up V8 6.3L 6286cc 383cid 1968...1971 | D100 Pick Up V8 6.6L 400cid 1971...1974 | D100 Pick Up V8 6.6L 6555cc 400cid 1971...1974 | D100 Pick Up V8 6.6L 6555cc 400cid 1971...1974 | D100 Pick Up V8 7.2L 440cid 1973...1974 | D100 Pick Up V8 7.2L 721cc 440cid 1973...1974 | D100 Pick Up V8 7.2L 721cc 440cid 1973...1974 | D100 Series V8 6.3L 6286cc 383cid 1963...1967 | D150 V8 5.9L 360cid 1977...1982 | D150 V8 5.9L 360cid 1984...1987 | D150 V8 6.6L 400cid 1977...1978 | D150 V8 7.2L 440cid 1978 | D200 V8 5.9L 360cid 1975...1980 | D200 V8 6.6L 400cid 1975...1978 | D200 V8 7.2L 440cid 1975...1978 | D200 Pick Up V8 5.9L 360cid 1977...1978 | D200 Pick Up V8 5.9L 5899cc 360cid 1971...1974 | D200 Pick Up V8 5.9L 5900cc 360cid 1971...1974 | D200 Pick Up V8 6.3L 383cid 1968...1971 | D200 Pick Up V8 6.3L 6286cc 383cid 1968...1971 | D200 Pick Up V8 6.6L 400cid 1971...1974 | D200 Pick Up V8 6.6L 6555cc 400cid 1971...1974 | D200 Pick Up V8 6.6L 6555cc 400cid 1971...1974 | D200 Pick Up V8 7.2L 440cid 1973...1974 | D200 Pick Up V8 7.2L 721cc 440cid 1973...1974 | D200 Pick Up V8 7.2L 721cc 440cid 1973...1974 | D200 Series V8 6.3L 6286cc 383cid 1963...1967 | D250 V8 5.9L 360cid 1981...1982 | D250 V8 5.9L 360cid 1984...1987 | D300 V8 5.9L 360cid 1975...1980 | D300 V8 6.6L 400cid 1976...1978 | D300 V8 7.2L 440cid 1975...1978 | D300 Pick Up V8 5.9L 360cid 1971...1974 | D300 Pick Up V8 5.9L 5899cc 360cid 1971...1974 | D300 Pick Up V8 5.9L 5900cc 360cid 1972...1974 | D300 Pick Up V8 6.3L 383cid 1968...1971 | D300 Pick Up V8 6.3L 6286cc 383cid 1968...1971 | D300 Pick Up V8 6.6L 400cid 1971...1974 | D300 Pick Up V8 6.6L 6555cc 400cid 1971...1974 | D300 Pick Up V8 6.6L 6555cc 400cid 1971...1974 | D300 Pick Up V8 7.2L 440cid 1973...1974 | D300 Pick Up V8 7.2L 721cc 440cid 1973...1974 | D300 Pick Up V8 7.2L 721cc 440cid 1973...1974 | D300 Series V8 6.3L 6286cc 383cid 1963...1967 | D350 V8 5.9L 360cid 1981...1987 | D400 V8 5.9L 360cid 1978...1981 | D400 V8 7.2L 440cid 1978 | D450 V8 5.9L 360cid 1978...1981 | D450 V8 7.2L 440cid 1978 | Dart L6 3.2L 1968...1973...1974 | Dart L6 3.2L 3254cc 198cid 1973...1974 | Dart L6 3.7L 3687cc 225cid 1972...1976 | Dart V8 4.5L 4473cc 273cid 1964...1969 | Dart V8 4.5L 4473cc 273cid 1964...1969 | Dart V8 5.2L 318cid 1962 | Dart V8 5.2L 5212cc 318cid 1962...1963 | Dart V8 5.2L 5212cc 318cid 1966...1974 | Dart V8 5.6L 340cid

## MOTOR

**Chrysler:** 4091950 | 4111855 | 4145359 | 4240449 | 40911920

## EQUIVALENTE / Equivalent

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

**0497****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 73

**APLICAÇÃO / Application / Aplicación**

**Case:** Trator 580H/SH/SH 4x4 Cummins 433.9 04/1994... - **Cummins:** Especial/Special 10D - **Ford:** Cargo com motor Cummins | F4000 1998 - **John Deere:** 1020 | 1030 | 1040 | 1065 | 1075 | 1085 | 1120 | 1130 | 1140 | 1530 | 1630 | 1640 | 1830 | 1840 | 2040 | 2140 | 2150 | 2240 | 2350 | 2550 | 2750 | 2940 | 2950 | 820 | 830 | 840 | 920 | 968 | 969 | 970 | 975 | JD300 | JD310 | JD350 | MD330 - **Komatsu:** Retroescavadeira PC150 modelo 3 com motor Cummins 6BT 5.9 04/1993...

**Mercedes Benz:** L1113 | L1116 | L1117 | L1316 | L1317 | L1516 | LA1113 | LA1117 | LP1219 com motor Cummins 6BT 5.9 lts | LP1419 com motor Cummins 6BT 5.9 lts | Marcopolo | MBL1319 com motor Cummins 6BT 5.9 lts - **Valmet:** Trator Série 1180 com motor Cummins 6B 5.9 08/1990... - **Volkswagen:** 16200 motor cummins

**Zanella:** Trator com motor MWM e Cummins

**MOTOR**

**Bosch:** 0001359090 | 9000083071 | 9000083075 | 9000083076 | 9000453074 | 9000453075 | 9000453076 | F006AL0602 | F006ALO602

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209414 | 2006209444 | 9002453077 - **Lester:** 16563 | 17309 - **Lucas:** TNB408 - **Lucas Indiel:** 222495 - **WAI:** 549128

**0499****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

**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

**0522****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

**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. 74

**APLICAÇÃO / Application / Aplicación**

**Ford:** FT100 | FT120 | FT130 | FT160 | FT190 | FT80 | Transit

**MOTOR**

**Bosch:** 0001362307

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209466 - **Lucas Indiel:** 223709 - **WAI:** 5491132

**0541****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

**APLICAÇÃO / Application / Aplicación**

**Ford:** Transit D

**MOTOR**

**Italacciai:** 27501A

**EQUIVALENTE / Equivalent**

**Italacciai:** SD486 - **Lucas:** TNB167 | 54268140

**0549****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

**APLICAÇÃO / Application / Aplicación**

**Toyota:** Toyoace

**EQUIVALENTE / Equivalent**

**Nippondenso:** 0283000891 - **Toyota:** 2801146013

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

## 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

**0580****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

## APLICAÇÃO / Application / Aplicación

**Nissan:** Patrol

## MOTOR

**Hitachi:** 525131A | 525155D

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 223751 - **Nissan:** 23312J2003 - **WAI:** SP842738

**0612****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

## APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** GMC Sonoma 2.2 lts | Motor para Empilhadeira Hyster XM50 | Pick Up S10 Importada 2.2 modelo LS /com motor 4cil 1994 | Pick Up Sonoma 2.2 lts. Importada - **Hyster:** Empilhadeira Hyster XM50

## MOTOR

**Remy:** 10455053

## EQUIVALENTE / Equivalent

**Bosch:** 1987BE0045 - **Cargo:** 135063 - **Lester:** 6415 | 6416 | 6418 | 6424 - **Lucas Indiel:** 223279 - **Remy:** D2050 | 10468675 | 10473700 - **WAI:** 54149

**0613****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

## APLICAÇÃO / Application / Aplicación

**Volkswagen:** Transporter TD

## MOTOR

**Bosch:** 0001110009 | 0001110010

## EQUIVALENTE / Equivalent

**Bosch:** 1006209532 - **Lester:** 17068 - **WAI:** 549170

**0627****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

## APLICAÇÃO / Application / Aplicación

**CBT:** Javali

## EQUIVALENTE / Equivalent

**CBT:** 580000043

**0631****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

## 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

**0634****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

APLICAÇÃO / Application / Aplicación

Nissan: Pick Up

MOTOR

Hitachi: S114505 | S114509 | S114526 | S114527 | S114526A | S114527A - Nissan: 2330001N00 | 2330020P00 | 2330057N60 | 23300G8400

EQUIVALENTE / Equivalent

Hitachi: 211445012 - Lester: 17454 - Lucas Indiel: 223790 - Nissan: 2331242L60 - WAI: 548137

**0656****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

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. 74

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

**0673****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

APLICAÇÃO / Application / Aplicación

Nissan: Pick Up | Sentra | Vanette

EQUIVALENTE / Equivalent

Bosch: 9001042060 - WAI: 548321

**0686****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 74

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

**0712****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

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. 75

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. 75

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

**0732****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

APLICAÇÃO / Application / Aplicación

Renault: Trafic

EQUIVALENTE / Equivalent

Lucas Indiel: 223291 - Tria: 4424

**0765****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

APLICAÇÃO / Application / Aplicación

Bedford: MIDI - Innocenti: MINI 3 Cil

EQUIVALENTE / Equivalent

Lester: 17152 | 17565 - Nippondenso: 283004320 - WAI: 548231

**0771****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

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

MOTOR

Lucas Indiel: 35257880

EQUIVALENTE / Equivalent

Lucas Indiel: 227911 | 35257911

**0772****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

APLICAÇÃO / Application / Aplicación

Ford: Pick Up F100 MWM | Pick Up F1000 MWM | Pick Up F150 MWM | Pick Up F4000 MWM - **MWM:** Motor 4 cil

MOTOR

Lucas Indiel: 35258240

EQUIVALENTE / Equivalent

Lucas Indiel: 228266 | 35258266

**0786****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

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 1.6Renault: R12 | Trafic Gasolina 1995 - **Seat:** Ibiza | Malaga | Ronda

MOTOR

Magnet Marelli: 63221800 | 63221830 | 63221832 | 63221834 | 63221890 | 63221892 | 63222831 | 63222832 | 63222833 | 63222836 | 63222837 | 63222838 | 63222897 | 63223001 | 63223031 | 63223032 | 63223033 | 63223034

**0786****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**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. 75

**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**0796****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**APLICAÇÃO / Application / Aplicación****Mercedes Benz:** 180D Furgão / Pick Up | Sprinter**MOTOR****Bosch:** 9000331419**EQUIVALENTE / Equivalent****Bosch:** 9002336208 | 9003336208 - **Lucas:** TMB208 - **Lucas Indiel:** 223295**0806****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**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:** M0T36571 | M0T82081 | M0T86181 | M0T93391 | M1T80081 | M1T85781 | M1T90281 | M08T87881 | M000T36571 | M000T33871ZC | M000T33871ZT | M000T82081ZE**EQUIVALENTE / Equivalent****Lucas Indiel:** 223297 - **Mitsubishi:** M191T13671 | M191T14671 | M191T18271 - **WAI:** 548351 | 548352**0816****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**APLICAÇÃO / Application / Aplicación****Dodge:** B150 V6 3.9L 3906cc 239cid 1991...1994 | B150 V8 5.2L 5211cc 318cid 1991...1994 | B150 V6 3.9L 3906cc 239cid 1995 | B150 V8 5.2L 5211cc 318cid 1995 | B250 V6 3.9L 3906cc 239cid 1991...1994 | B250 V8 5.2L 5211cc 318cid 1991...1994 | B250 V8 5.9L 360cid 1991...1994 | B250 V6 3.9L 3906cc 239cid 1995 | B250 V8 5.2L 5211cc 318cid 1995 | B2500 V8 5.9L 360cid 1995 | B350 V8 5.2L 5211cc 318cid 1991...1994 | B350 V8 5.9L 360cid 1991...1994 | B3500 V8 5.2L 5211cc 318cid 1995 | B3500 V8 5.9L 360cid 1995 | D150 V6 3.9L 3906cc 239cid 1991...1993 | D150 V8 5.2L 5211cc 318cid 1991...1993 | D150 V8 5.9L 360cid 1991...1993 | D250 V6 3.9L 3906cc 239cid 1991...1993 | D250 V8 5.2L 5211cc 318cid 1991...1993 | D250 V8 5.9L 360cid 1991...1993 | D350 V8 5.9L 360cid 1991...1993 | Dakota V6 3.9L 3906cc 239cid 1991...1995 | Dakota V8 5.2L 5211cc 318cid 1991...1995 | Ram 1500 V6 3.9L 3906cc 239cid 1994...1995 | Ram 1500 V8 5.2L 5211cc 318cid 1994...1995 | Ram 1500 V8 5.9L 360cid 1994...1995 | Ram 2500 V8 5.2L 5211cc 318cid 1994...1995 | Ram 2500 V8 5.9L 360cid 1994...1995 | Ram 3500 V8 5.9L 360cid 1994...1995 | Ram 4000 8 cil. 5.9L 360cid 1995 | Ramcharger V8 5.2L 5211cc 318cid 1991...1993 | Ramcharger V8 5.9L 360cid 1991...1993 | W150 V6 3.9L 3906cc 239cid 1991...1993 | W150 V8 5.2L 5211cc 318cid 1991...1993 | W150 V8 5.9L 360cid 1991 | W150 V8 5.9L 360cid 1993 | W250 V8 5.2L 5211cc 318cid 1991...1993 | W250 V8 5.9L 360cid 1991...1993 | W350 V8 5.9L 360cid 1991...1993 - **Lexus:** LX450 L6 4.5L 4477cc 1996...1997 - **Toyota:** Land Cruiser L6 4.5L 4477cc 1993...1997 - **ZEN:** Utiliza Pinhão ZEN 9349**EQUIVALENTE / Equivalent****Lester:** 17466 | 17485 - **Nippondenso:** 283007270 - **WAI:** 548225**0818****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**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

**0818****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**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

**0826****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** D20 Maxion - **Perkins:** Maxion

**MOTOR**

**Lucas Indiel:** 35258440

**EQUIVALENTE / Equivalent**

**Lucas Indiel:** 220206 | 35260206

**0838****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**APLICAÇÃO / Application / Aplicación**

**Fiat Iveco:** Ducato Argentino 1997 - **MWM:** Diter D302 | Diter D325 | Diter D889 | Diter D890 | Diter D900 | Diter D989

**MOTOR**

**Bosch:** 9000331418

**EQUIVALENTE / Equivalent**

**Bosch:** 9003336282 - **Lucas Indiel:** 223302 - **WAI:** 5491150

**0844****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 75

**APLICAÇÃO / Application / Aplicación**

**Volkswagen:** LT TD - **Volvo:** 240 D | 740 TD | 940 TD - **ZEN:** Utiliza Pinhão ZEN 9566

**MOTOR**

**Hitachi:** S1391

**EQUIVALENTE / Equivalent**

**Cargo:** 133437 - **Hitachi:** 213035004 - **Lester:** 17138 - **WAI:** 548141

**0854****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Asia Motors:** Towner Daewoo - **Renault:** Twingo

**MOTOR**

**Remy:** 10455505

**EQUIVALENTE / Equivalent**

**Lucas:** TMB008 - **Remy:** 10475958

**0857****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**0861****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**0875****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**0887****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Caterpillar:** 320B Mitsubishi 24V - **Ford:** Pick Up 7.3 D Turbo | Van 7.3 D Turbo - **Mitsubishi:** Canter

**MOTOR**

**Mitsubishi:** M2T80772 | M3T57575 | M8T50071 | M8T50171 | M8T50271 | M8T50471 | M8T55171 | M8T55471 | M8T60073 | M8T60371 | M8T60372 | M8T60373 | M8T60374 | M8T60389 | M8T60471 | M8T60489 | M8T60571 | M8T60771 | M8T60773 | M8T60871 | M8T70371 | M8T70971 | M8T71571 | M8T75171 | M8T77071 | M8T77072 | M8T77074 | M8T77075 | M8T80071 | M8T80171 | M8T80371 | M8T80372 | M8T80373 | M8T80374 | M8T80772 | M8T80789 | M8T85071 | M8T85171 | M8T85271 | M8T85471 | M8T85571 | M8T87071 | M8T87171 | ME012994 | ME012995 | ME013008 | ME014418 | M8T80071A | M8T80071B | M8T85071A | M8T85071B | M8T85171A | M8T85271B

**EQUIVALENTE / Equivalent**

**Mitsubishi:** ME701487 | ME701648 | ME701651 | M191X67571 | M191X67585 | M191X67685 | M191X67771 | M191X67871 | M191X67885 | M191X68271 | M191X68671 | M191X93571 - **WAI:** 5483415

**0907****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Ford:** Transit

**MOTOR**

**Ford:** 98VB11000 | 97VB11000AB | 98VB11000B3A

**EQUIVALENTE / Equivalent**

**Ford:** 106688 | F7RUK614 | 10670F7RU - **WAI:** 54225

**0910****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Renault:** Master

**MOTOR**

**Magneti Marelli:** MT68Q | MT68QA | 63216815 | 63216851 | 63217403

**0915****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**EQUIVALENTE / Equivalent**

**Lucas Indiel:** 220198 | 35260198 | 35260202

**0916****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**0926****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Citroën:** 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

**0935****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**0937****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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

**0940****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Asia Motors:** Towner Com Motor Mando

**0953****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**

**Fiat:** 1100TN | 217N | 332 | 352 | 615N e 615N1 | 616 | Campagnolo Diesel

**0953****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**MOTOR**Fiat: 852962 | 4104783 - **Magneti Marelli**: 63223897 | E1154/24**EQUIVALENTE / Equivalent**

Fiat: 879898

**0959****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**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**0961****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 76

**APLICAÇÃO / Application / Aplicación**Citröen: BX | Xantia | XM | ZX - **Ford**: Granada | Sierra | Spurio - **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**0976****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**APLICAÇÃO / Application / Aplicación**Citröen: 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. 77

**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**0991****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**APLICAÇÃO / Application / Aplicación****Agrale**: Micro Ônibus Volare (Marcopolo) MWM 407 TCA 10/1998... - **Ford**: F250 MWM - **General Motors/Chevrolet**: Silverado MWM Diesel - **MWM**: Motor 06CL Sprint (GM Silverado)**MOTOR****Lucas Indiel**: 35258580 | 35258910 | 35261305 - **Prestolite**: 35259890**EQUIVALENTE / Equivalent****Lucas Indiel**: 224091 | 229033 | 35259033 | 35260500

**1022****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**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. 77

**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. 77

**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**1025****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**APLICAÇÃO / Application / Aplicación**

**Fiat Iveco:** Ducato 719 2.8 | Ducato 720 2.8 | Ducato 721 2.8 | Ducato 722 2.8 | Ducato 723 2.8 | Ducato 724 2.8 | Ducato 725 2.8 | Ducato 726 2.8 | Ducato 729 2.8

**Peugeot:** Boxer**MOTOR****Fiat:** 131955508 - **Magneti Marelli:** 63114014 | 83226569 | 85541700**EQUIVALENTE / Equivalent****Fiat:** 9948135**1026****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**APLICAÇÃO / Application / Aplicación****Ford:** F350 Cummins - **Mitsubishi:** Especial/Special**MOTOR****Bosch:** 0001223500**EQUIVALENTE / Equivalent****Bosch:** 6033AD0091 | 6033ADO091 - **Lucas Indiel:** 229983

**1031****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**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, 2.0i | 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**1037****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**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, 2.0i | 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**1047****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**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**1057****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

**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 T 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. 77

**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**EQUIVALENTE / Equivalent****Bosch:** 1006209671 - **WAI:** 5491146

**1063****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

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

**1070****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

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

**1072****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 77

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

**1081****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

APLICAÇÃO / Application / Aplicación

Ford: Heavy Duty F250 / F350 Series | LT Trucks E-Series Vans 7.3 L - Diesel | LT Trucks Excursion 7.3 L - Diesel

MOTOR

Visteon: 1C3U11000AA | 1C3U11000AB | 1C3U11000AC | 1C3U11000AD | 1C3U11000AE | 1C3Z11002AA | 2C2411000AA

EQUIVALENTE / Equivalent

Visteon: 1C3U11350AB - WAI: 54217

**1082****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

APLICAÇÃO / Application / Aplicación

Ford: F350 Heavy Duty 1998... | F450 Heavy Duty 1998...

EQUIVALENTE / Equivalent

Remy: 10452929 - WAI: 54176

**1108****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

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

**1117****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Especial/Special - Fiat: Ducato D - Lancia: Especial/Special

**1117****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**MOTOR****Magneti Marelli:** 63222000 | 63222004 | 63222030 | 63222034 | 63222038 | 63222130 | 63222134 | 63222135 | 63222138**EQUIVALENTE / Equivalent****Fiat:** 9941371 - **Lucas Indiel:** 220419**1134****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**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 | Clío 1.4 | Clío 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**1158****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**APLICAÇÃO / Application / Aplicación****Fiat Iveco:** Daily II - **Renault:** V.I. Mascott**MOTOR****Bosch:** 0001223003 | 0001223007 | 0001223024**EQUIVALENTE / Equivalent****Bosch:** 6033AD0077 | 6033AD1002 | 6033ADO077 - **WAI:** 5491118**1159****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**APLICAÇÃO / Application / Aplicación****Berliet:** 400 | 450 | 480 | 500 | 530 | 550 | 560 - **Fiat:** Ducato - **Man:** 11.136 H - HK - HAK - HS - U | 13.136 U - **Renault:** 210 Midlum dCI 6AE Euro 3 | 75 - 130 - 85.150 - 95.130 - 110.50 - 110.170 | C 230 - CBM - CCH 300 - CLR 230 - G 170 - G 200 - GB 131 - JE 13 | JN 60 - 75 - 80 - 85 - 90 - 95 | JP 11 - 13 - 14 | JR 19 - 21 | JX 21 | M 140 - 150 - 160 - 180 - 200 - 210 - 230 - 250 | ME 160 - 180 | Midlum 135 - 150 - 180 - 210 - 250 | Premium 210 - 250 | S 100 - 130 - 140 - 150 - 160 - 170 - 180 - 210 | SM 8 | Trucks SEE: 120-6057, A, B 360, 368 Series Versions 1983...2002 | V.I. Midliner - **Saviem:** E7C | JN 75 - 85 - 90 | JP 11 - 13 | SC50 | SM 6 - 7 - 8**MOTOR****Bosch:** 0001230004 | 0001230008 | 0001231001 | 0001231009 | 0001231012 | 0001231016 | 0001231026 | 0001231027 | 0001231039 | 0001262021 - **Iveco:** 504357110**EQUIVALENTE / Equivalent****Bosch:** 2007010163 | 6033AD0184 | 6033AD0200 | 6033AD3334 | 6033ADO184 | 6033ADO200 | 9002336237 - **Cargo:** 231756 - **Daf:** 1382550 - **WAI:** 5491144**1161****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**APLICAÇÃO / Application / Aplicación****Peugeot:** Karsan J9D**1173****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**APLICAÇÃO / Application / Aplicación****Nissan:** Trade 2.0L Diesel 1984...1998 | Vanette 2.0L Diesel 1984...1998**MOTOR****Bosch:** 9000331421 | 9000331424 | 9000331428**EQUIVALENTE / Equivalent****Bosch:** 9003336290**1174****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**APLICAÇÃO / Application / Aplicación****Nissan:** Ebro | Nissan Trucks 1985...2000 | Van**MOTOR****Bosch:** 9000331406

**1174****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

EQUIVALENTE / Equivalent

Bosch: 9003331430 | 9003336274

**1184****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

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. 78

APLICAÇÃO / Application / Aplicación

Citrôen: 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. 78

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

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. 78

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

**1194****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

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

**1217****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 78

**APLICAÇÃO / Application / Aplicación****Ford:** F1000 Diesel | Ranger Diesel**MOTOR****Ford:** F87U11000DD**EQUIVALENTE / Equivalent****Facet:** 10682 - **Ford:** F87U11350 | F87U11350AC**1359****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

**APLICAÇÃO / Application / Aplicación**

**Case:** Pá Carregadeira W7 Perkins 6 cil | Retroescavadeira 580 Perkins 4 cil | Retroescavadeira 580CK Perkins 4 cil | Retroescavadeira 580E Perkins 4 cil | Retroescavadeira 580H - **CBT:** 1000 Perkins 4, 6 cil | 1090 Perkins 4, 6 cil | 1100 Perkins 4, 6 cil | 8240 Perkins 4236 álcool - **Chrysler:** 135 | 155 | 50 | 60 | C-300 | C-500 Y110 | Dodge D400 Perkins 4 cil | HY 40 - **Clark:** Motor PK4236 Pick Up | Pá Carregadeira Michigan 75A | Pá Carregadeira Michigan 75II | Pá Carregadeira Michigan 75III - **Ford:** 4600 | 5600 | 6600 4 cil | F11000 Perkins 6 cil | F12000 Perkins 6 cil | F13000 Perkins 6 cil | F2000 Ford 4 cil | F4000 Ford 4 cil

**General Motors/Chevrolet:** Caminhão Perkins 6 cil | Pick Up Perkins 4 cil Diesel - **Massey Ferguson:** MF220 | MF235 | MF250 | MF275 | MF285 | MF290 | MF290 RA Perkins 4236 diesel | MF296 | MF3366 | MF400 | MF50X | MF55X | MF65R | MF65X | MF85X | MF95I | MF95X - **Perkins:** Motor 4 e 6 cil - **Volkswagen:** Caminhão 6.80 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 - **Volkswagen:** 04128642 | BC4N11350A - **Wapsa:** 2244 | 224004 | 224038 | 224043 | 2244036

**1364****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

**APLICAÇÃO / Application / Aplicación**

**Agrale:** 1600D | 1800D | TX1600D - **Case:** Escavadeira Hidráulica 80CP, 80CR. | Pá Carregadeira W18 | Pá Carregadeira W20 | Pá Carregadeira W20B | W18 | W20 (MBB-OM 352) | W20B (MBB-OM 352A) - **CBT:** 1065 10/1976... | 1065 (MBB-OM 314) | 1105 (MBB-OM 352) | 2080 (MBB-OM 314) | 2105 (MBB-OM 352) | 2600 10/1976... | 8060 4x4 (MBB-OM 352) | 8440 10/1976... | 950 10/1976... | Oliver 1020 10/1976... - **Chrysler:** Dodge D950 MWM | Dodge P700 MWM | Dodge P900 MWM

**Clark:** Pá Carregadeira Michigan 45C | Pá Carregadeira Michigan 55A | Pá Carregadeira Michigan 55C | Pá Carregadeira Michigan 65R | Pá Carregadeira Michigan 75III

**Fiat Allis:** Escavadeira Hidráulica FE105 | FG70 | FG85 - **Ford:** Cargo C 1215 | Cargo C 1216 | Cargo C 1217 | Cargo C 1415 | Cargo C 1416 | Cargo C 1417 | Cargo C 1421 | Cargo C 1617 | Cargo C 1621 | Cargo C 814 | Cargo C 815 | F4000 - **Komatsu:** 364 - **Mercedes Benz:** Caminhão/Ônibus 2016, 2213, 2216, L608D, L709D, L1319, LP1219, LP1419 | Caminhão/Ônibus 1214, 1218, 1414, 1418, 1614, , 1513, 1516, 2013, | Caminhão/Ônibus 1618, 1621, 2215, 2216, L610 (OM 352), 1113, 1313, 1316 | Chassi para Ônibus 1313, 1315, 1316, O364, O371U Com motor M366G | Chassi para Ônibus OF/OH 1113, 1115, Com motor M366G | LO812 | O364 | O365 | O366 | O371U - **MWM:** D225-6 08/1977... | D229-4 08/1977... | D229-6 08/1977... | TD229-6 08/1977... - **New Holland:** FNH 8040 (MBB-OM352) | FNH 8055 (MBB-OM352A). - **Toyota:** Bandeirante (MBB-OM 314) 10/1976... - **Valmet:** 1101D 08/1977... | 118 08/1977... | 128 08/1977... | 138 08/1977... | 138/4 Turbo 08/1977... | 148 08/1977... | 78 08/1977... | 851D 08/1977... | 88 08/1977... | 880 08/1977... | 980 08/1977... - **Volkswagen:** Chassi VW7.90S, VW7.90CE, VW7.90CO | VW11.130 | VW13.130 | VW6.90 | VW7.110S | VW7.90S

**MOTOR**

**Bosch:** 0001354084 | 0001359031 | 0001359055 | 0001359057 | 0001359062 | 0001359071 | 0001359072 | 0001359073 | 0001359074 | 0001359083 | 0001359084 | 0001359087 | 0001359089 | 0001359091 | 0001359097 | 0001359100 | 0001359101 | 0001359111 | 0001359113 | 0001359118 | 0001359119 | 0001360004 | 0001360025 | 0001360027 | 0001360030 | 0001360031 | 0001360032 | 0001360034 | 0001360035 | 0001360036 | 0001360037 | 0001360038 | 0001360039 | 0001360040 | 0001360046 | 0001360047 | 0001360049 | 0001360056 | 0001360057 | 0001360059 | 0001360061 | 0001360065 | 0001364108 | 0001365007 | 0001365008 | 9000083027 | 9000083028 | 9000083031 | 9000083036 | 9000083045 | 9000083046 | 9000083050 | 9000083052 | 9000083053 | 9000083054 | 9000083056 | 9000083060 | 9000083061 | 9000083063 | 9000083064 | 9000083065 | 9000083066 | 9000083067 | 9000083068 | 9000083074

**EQUIVALENTE / Equivalent**

**Bosch:** 2006209421 | 2006209436 | 2006209446 | 9001083406 | 9001083436 | 9002453073 - **Fiat:** 8122129 | 9008243 | 9926112 | 9957919 | 79028900 | 79028909  
**Italacciai:** SD124 - **Mercedes Benz:** 0001517013 - **Volkswagen:** 04053926

**1372****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

**APLICAÇÃO / Application / Aplicación**

**Ford:** Cargo 1618 | F1000 MWM 1998... | F4000 MWM 1998... - **MWM:** Motor 4.10T, 6.10T - **Volkswagen:** Motor MWM X10 | Ônibus Bus

**MOTOR****Bosch:** 9000083077

**1372****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

EQUIVALENTE / Equivalent

Bosch: 9002453078 | 9002453079

**1458****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

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

**1539****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

APLICAÇÃO / Application / Aplicación

Ford: Mondeo 2.4 | Transit 2.4

MOTOR

Ford: YC1U11000AB

EQUIVALENTE / Equivalent

WAI: 54221

**1555****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

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

**1563****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

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. 79

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

**1585****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

## 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

**1596****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

## APLICAÇÃO / Application / Aplicación

**Agrale:** 5075 BX 150 | 5085.4 BX 150 - **Ford:** F100 MWM SÉRIE X - 10 E 229 | F1000 MWM SÉRIE X - 10 E 229 | F14000 MWM SÉRIE X - 10 E 229 | F150 MWM SÉRIE X - 10 E 229 | F250 MWM SÉRIE X - 10 E 229 | F3500 MWM SÉRIE X - 10 E 229 | F4000 MWM SÉRIE X - 10 E 229 | F7000 MWM SÉRIE X - 10 E 229 - **New Holland:** Línea TL Exitus: TL65 / 75 / 85 / 95E MWM

## MOTOR

**Lucas Indiel:** 35259680 | 35259750 | 35261355 | 35261425

## EQUIVALENTE / Equivalent

**Lucas Indiel:** 229938 | 35259938 | 35261299

**1601****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

## APLICAÇÃO / Application / Aplicación

**Kia:** Besta 2.5 - 2.7

## MOTOR

**Mando:** K71F18400

**1607****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

## 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

**1613****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

## APLICAÇÃO / Application / Aplicación

**Ford:** Ranger 1.6

## EQUIVALENTE / Equivalent

**Lucas:** 11123205

**1614****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

## 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

**1618****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

**APLICAÇÃO / Application / Aplicación****Renault:** Master Eletrônico DCi120 2005**MOTOR****Valeo:** D7G11 | 8200225336**EQUIVALENTE / Equivalent****Valeo:** 191363**1619****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 79

**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**1629****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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**1635****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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**1638****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**APLICAÇÃO / Application / Aplicación**

**Mercedes Benz:** Caminhão 1316 OM352/352A | Caminhão 1513 OM352/352A | Ônibus O364 OM352/352A - **New Holland:** Colheitadeira FNH 8040 | Colheitadeira FNH 8255 - **Toyota:** Bandeirantes OM 364

**MOTOR****Bosch:** F000AL0128**EQUIVALENTE / Equivalent****Bosch:** F000AL2617**1642****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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. 80

EQUIVALENTE / Equivalent

Bosch: 1006209824 | 1006210128 | 1006210146

**1643****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

APLICAÇÃO / Application / Aplicación

Citroën: Jumper - Peugeot: 406 | 605 | 607 | 807 | Boxer 2.5 TDi 1994...2002

MOTOR

Bosch: 0001223001 | 0986016950

EQUIVALENTE / Equivalent

Bosch: 6033AD0004

**1650****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

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

**1667****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

APLICAÇÃO / Application / Aplicación

Kia: Besta 2.7 | Bongo - ZEN: Utiliza Pinhão ZEN 13021

MOTOR

Mando: MG122423 | MG122565

**1676****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

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

**1692****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

APLICAÇÃO / Application / Aplicación

Opel: Movano - Renault: Master 2.5 | Trafic 2.5

MOTOR

Valeo: D8R1 | D7R34 | D7R53

EQUIVALENTE / Equivalent

Cargo: 231932 - Valeo: 188993 | 594410

**1696****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

APLICAÇÃO / Application / Aplicación

Mercedes Benz: Sprinter

MOTOR

Bosch: 0001115174

EQUIVALENTE / Equivalent

Bosch: 1006209845

**1712****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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**1715****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**APLICAÇÃO / Application / Aplicación****Tata:** Ace | Indigo**EQUIVALENTE / Equivalent****Tata:** 26258286**1755****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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. 80

**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 2008 | 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**1761****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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

**1764****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 80

**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 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:** MOT37671 | MOT87681 | MOT87781 | MOT88481 | MOT90685 | MT87781ZC | M000T37671 | MOT37671ZT | MOT87781ZC | MOT90685ZC | M000T37671ZT | M000t88481ZC | M000T88482ZC

**EQUIVALENTE / Equivalent**

**Mitsubishi:** 15471 | 19971 | M191X19971 - **WAI:** 548346

**1769****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación**

**Mitsubishi:** L200 Triton

**1776****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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

**1794****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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

**1807****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación**

**Ford:** Ranger 2.2 Duratorq 2019... | Ranger 3.2 Duratorq 2016...

**MOTOR**

**Ford:** AB3911000AA | AB3911000BA - **Lester:** 30629 - **Mitsubishi:** M002T85971 | M002T86071 | M002T85971ZT | M002T86071ZT

**EQUIVALENTE / Equivalent**

**Mitsubishi:** M191T96571

**1812****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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

**1815****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación**

**Iveco:** CityClass 45 S 17 R78-M 12V Z9 10/2012... | CityClass 55 S 17 R78-M 12V Z9 10/2012... | CityClass 70 C 17 R78-M 12V Z9 10/2012... | Daily 35 S 14 R78-M 12V Z9 04/2012... | Daily 45 S 17 R78-M 12V Z9 04/2012... | Daily 55 C 17 R78-M 12V Z9 04/2012... | Daily 70 C 17 R78-M 12V Z9 04/2012... | Scudato 70 C 17 R78-M 12V Z9 04/2012...

**MOTOR****Bosch:** F000AL0143 | F000AL0149 - **Iveco:** 5801405959**EQUIVALENTE / Equivalent****Bosch:** F000AL2813**1840****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Jumper 2.8 Hdi 4X4 - **Fiat:** Ducato 2.3 - 2.8 JTD Multijet | Ducato 2.8 JTD Power 4x4 | Ducato 3.0 - **Iveco:** Daily II 29 - 35 - 40 - 45 2.3, 2.8 e 3.0 D. | Daily II 50 - 60 - 65 2.3, 2.8 e 3.0 D. | Daily III 29 - 35 - 40 - 45 - 2.3 e 3.0 D. | Daily III 50 - 60 - 65 2.3 e 3.0 D. - **Peugeot:** Boxer 2.8 Hdi 4x4

**MOTOR****Fiat:** 134705880 - **Iveco:** 55195967 - **Remy:** 8000032 | 8000567**EQUIVALENTE / Equivalent****Cargo:** 330382 - **Remy:** 10510651**1845****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación****Ford:** Caminhão F4000 | F250 | F350**MOTOR****Bosch:** F000AL0159 - **Ford:** EC3511001BA**EQUIVALENTE / Equivalent****Bosch:** F000AL2955**1849****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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 | 31200RAA51 | 31200RAA52 | 31200RNAA50 | 31200RNAA51 | 31200RAA51RM - **Lester:** 17870 | 17958 | 17960 - **Mitsuba:** M61209 | SM61209 | SM71001 | SM71002**EQUIVALENTE / Equivalent****Mitsuba:** 5485502 | SH07118 - **WAI:** 548507**1856****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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 Beattle 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**1862****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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

**1862****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**MOTOR**

**Hitachi:** S13106 | S13126 | S13106B - **Nissan:** 2330010T01 | 2330010T02 | 233001W400 | 2330045N50 | 2330045N51 | 233006K200 | 233006T000 | 233006T001 | 233007F400 | 2330080G00 | 2330080G01 | 23300Q2403 | 23300Q2404 | 23300Q2405 | 23300Q2406

**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. 81

**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

**1873****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación**

**General Motors/Chevrolet:** N107 | N108 | N109 | N200 | N300 | N300P

**MOTOR**

**Valeo:** D6GC211

**EQUIVALENTE / Equivalent**

**General Motors/Chevrolet:** 24538276

**1874****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Jumper - **Ford:** Transit - **Land Rover:** Defender - **Peugeot:** Boxer

**MOTOR**

**Bosch:** 0001115088 | 0001115089 | 0001115092 | 0001115093 - **Ford:** AC1T11000AA | CC1T11000AB | CC1T11000BA | CC1T11000BB

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210205 | 1006210206 - **WAI:** 5491191

**1876****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**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. 81

**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

**1877****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 81

**MOTOR**

**Chrysler:** 200 | 04801839AB | 4801839AC | RL801839AB - **Denso:** 4280007200 | 4280009391 | 4280009500 | BC4280009391 | BC4280009500 | BC4380002590 - **Fiat:** 51911199 | 51911200 | 51978233 - **Lester:** 19616 - **Volkswagen:** 7B0911023C | 7B0911023CXRMN

**1886****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**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**1899****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**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**1906****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**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**1914****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**APLICAÇÃO / Application / Aplicación****Toyota:** Hilux**MOTOR****Bosch:** 0001122412 | 0001122413 - **Toyota:** 281000C120**EQUIVALENTE / Equivalent****Bosch:** F000AL3000**1918****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**APLICAÇÃO / Application / Aplicación****Nissan:** Frontier NP 300**MOTOR****Mitsubishi:** M002TS0673 - **Nissan:** 233005X00C**EQUIVALENTE / Equivalent****Mitsubishi:** 78971 | M357T78371**1919****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**APLICAÇÃO / Application / Aplicación****Toyota:** Hilux 2.8 4x4 11/2015... | Hilux SW4 2.8 4x4 01/2016....

**1919****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**MOTOR****Bosch:** 0001124028 | 0001124029 | 0001125625 | 0001125626 - **Toyota:** 281000L200**EQUIVALENTE / Equivalent****Bosch:** F000AL3001 - **Toyota:** 280110L200**1935****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**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**1939****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**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. 82

**APLICAÇÃO / Application / Aplicación**

**Ford:** 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 - **Lincoln:** Navigator 2013-2014 V8 5.4L 330cid 2013...2014 - **Mercedes Benz:** 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... | CLS250 2.1 CDi (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)[OM651.956] 08/2011...05/2016 | Sprinter 316 2.1 CDi (906)[OM651.955] 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)[OM651.955] 08/2011... | 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:** DL3Z111002A | DL3T11000AA | DL3Z11002AFC - **Lester:** 19247 - **Mercedes Benz:** A6519060026

**1942****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

EQUIVALENTE / Equivalent

WAI: 548269

**1946****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

APLICAÇÃO / Application / Aplicación

**General Motors/Chevrolet:** Colorado L4 2.8L 171cid 2016 | S10 LS DD4 2016...2017 - **GMC:** Canyon L4 2.8L 171cid 2016

MOTOR

**General Motors/Chevrolet:** 24584626 | 24585283 | 24588465 - **Lester:** 16046 - **Valeo:** 1206997

EQUIVALENTE / Equivalent

**General Motors/Chevrolet:** 1608820544**1952****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

APLICAÇÃO / Application / Aplicación

**John Deere:** Colheiteira 6610 6076 7.6L Diesel 1992...1995 | Colheiteira 6810 Cummins NTA-855 14.0L Turbo Diesel 1992...1997 | Colheiteira 6910 6068HT 6.8L Turbo Diesel 1997...2001 | Colheiteira 6910 Cummins NTA-855 14.0L Turbo Diesel 1992...1997 | Trator 6505 6068D 6.8L Diesel | Trator 6510 4045T 4.5L Turbo Diesel 1998...2001 | Trator 6510L 4045T 4.5L Turbo Diesel 1998...2001 | Trator 6510S 4045T 4.5L Turbo Diesel 1998...2001 | Trator 6520 4045T 4.5L Turbo Diesel 2002...2005 | Trator 6520 Premium 6068 6.8L Diesel 2001...2006 | Trator 6520L 4045T 4.5L Turbo Diesel 2002...2005 | Trator 6520L 6068HT 6.8L Turbo Diesel 2002...2007 | Trator 6520SE 4045T 4.5L Turbo Diesel 2002...2005 | Trator 6520SE 6068HT 6.8L Turbo Diesel 2002...2007 | Trator 6610 6076 7.6L Diesel 1992...1995 | Trator 6610SE 6068T 6.8L Turbo Diesel 1997...2002 | Trator 6620 6068T 6.8L Turbo Diesel 2002...2005 | Trator 6715 6068T 6.8L Turbo Diesel 2002...2005 | Trator 6820 6068H 6.8L Turbo Diesel 1997...2005 | Trator 6910 6068HT 6.8L Turbo Diesel 1997...2001 | Trator 6910 Cummins NTA-855 14.0L Turbo Diesel 1992...1997 | Trator 6910S 6068T 6.8L Turbo Diesel 1997...2001 | Trator 6920S 6068 6.8L Diesel 2002...2008 | Trator 7220 6068H 6.8L Turbo Diesel 2002...2006 | Trator 7320 6068H 6.8L Turbo Diesel 2002...2006 | Trator 7420 6.8LL 1994...2017 | Trator 7520 6531T 8.7L Turbo Diesel 1994...1998 | Trator 8870 6068T 6.8L Turbo Diesel 1997...2001

MOTOR

**Bosch:** 0001230002 - **John Deere:** AL81154 | RE50326 - **Lester:** 18361

EQUIVALENTE / Equivalent

**Bosch:** 6033AD0267 | 6033AD3106 - **John Deere:** RE503358**1957****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

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

**1982****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

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

**1985****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**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**1990****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**APLICAÇÃO / Application / Aplicación****Nissan:** D21 2.5 2005...2008 | D22 2.5 TD 4X4 2001... | Frontier 2.5 2005...2010 | NP300 2.5 2008...2013**MOTOR****Mitsubishi:** M2T50571 | M2TS0571 | M2TS0575 | M002TS0571 | M002TS0575 - **Nissan:** 23300VK500 | 23300VK50A | 23300VM00A | 23300WK500**EQUIVALENTE / Equivalent****Mitsubishi:** M191T78871 | M357X78871 - **Nissan:** 23312VK501**2002****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 82

**APLICAÇÃO / Application / Aplicación****Iveco:** Daily 2.5 e 2.8 1996...2007**MOTOR****Iveco:** 471169 | 475930 | 479664 | 4719664 | 4807374 | 4856056 | 42498138 | 42498149 | 42498505 | 77028560 | 99451753 - **Lester:** 19794 - **Valeo:** D7R61 | 438169**EQUIVALENTE / Equivalent****Valeo:** 188729 | 594628**2004****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 83

**APLICAÇÃO / Application / Aplicación****Toyota:** Hilux 2.8 2015... | Hilux 3.0 2015...**MOTOR****Denso:** 281000L180 | 4380001790 | TG4380001790**2005****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 83

**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

**2014****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 83

**APLICAÇÃO / Application / Aplicación**

**Citroën:** Jumper 2.2 HDi 2011, 2014 | Relay III 2.2 HDi 2011, 2014 - **Ford:** Tourneo 2.2 FT300, TDCi 2011, 2017 | Transit 2.2 FT250, TDCi 2011, 2016 | Transit 2.2 FT260, TDCi 2011, 2013 | Transit 2.2 FT270, TDCi 2011, 2017 | Transit 2.2 FT280, TDCi 2011, 2013 | Transit 2.2 FT290, TDCi 2011, 2016 | Transit 2.2 FT300, TDCi 2011, 2016 | Transit 2.2 FT310, TDCi 2011, 2016 | Transit 2.2 FT330, TDCi 2011, 2016 | Transit 2.2 FT350, TDCi 2011, 2016 | Transit 2.2 FT370, TDCi 2011, 2016 | Transit 2.2 FT410, TDCi 2014, 2016 | Transit 2.2 FT430, TDCi 2011, 2016 | Transit 2.2 FT440, TDCi 2014, 2016 | Transit 2.2 FT460, TDCi 2014, 2016 | Transit 2.2 FT470, TDCi 2014, 2016 | Transit Euroline 2.2, TDCi 2011, 2013 | Transit Tourneo 2.2, TDCi 2011, 2013 - **Peugeot:** Boxer 2.2 HDi 2011...2014

**MOTOR**

**Bosch:** 0001139023 | 0001139024 | 0001139031 | 0001139032 - **Ford:** 1731711 | 1740948 | 1741089 | 1745176 | 1745178 | CC1T11000DA | CC1T11000DB | CC1T11000DC | CC1T11000EA | CC1T11000EB | CC1T11000EC - **Lester:** 30229 | 30272

**EQUIVALENTE / Equivalent**

**Bosch:** 1006210175 | 1006210275 | 1006210276

**2039****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 83

**APLICAÇÃO / Application / Aplicación**

**Ford:** Ranger

**MOTOR**

**Ford:** BR3T11000AC

**EQUIVALENTE / Equivalent**

**TIM México:** 1825

**10003****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 83

**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

**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

**0280**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 84

APLICAÇÃO / Application / Aplicación

Ford: Capri 1.3 e 1.6 | Fiesta 1.0, 1.1 | Van

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

**9526**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 84

APLICAÇÃO / Application / Aplicación

Volkswagen: LT TD - Volvo: 240 D, 740 TD, 940 TD - ZEN: Utilizado no Impulsor ZEN 0792

MOTOR

Thermo King: 451229 | 451263 | 451285

EQUIVALENTE / Equivalent

Thermoking: 446676 | 446681 - WAI: 5481204

**9791**

**PINHÃO**  
PINION / PIÑON

FOTO / Photo pg. 84

APLICAÇÃO / Application / Aplicación

Jungheinrich: DFG 30 - Mazda: 2200 Pick-Up - Mitsubishi: Canter 2000 - Nissan: 3300, 3500 - Yale: Fork Lifts

MOTOR

Mitsubishi: M2T54571 | M2T54572 | M3T67771

EQUIVALENTE / Equivalent

Mitsubishi: M605X26971 - WAI: 5483221

<b>12675</b>	<b>PLANETÁRIA</b> PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)	FOTO / Photo pg. 85
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		

<b>12681</b>	<b>PLANETÁRIA</b> PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)	FOTO / Photo pg. 85
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		

<b>12682</b>	<b>PLANETÁRIA</b> PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)	FOTO / Photo pg. 85
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		

<b>12683</b>	<b>PLANETÁRIA</b> PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)	FOTO / Photo pg. 85
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		

<b>12684</b>	<b>PLANETÁRIA</b> PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)	FOTO / Photo pg. 85
APLICAÇÃO / Application / Aplicación		
Agrale: Motor MWM - Cummins: Motores - Ford: Especial/Special Com Motores Cummins e Cummins 4BT   F100 - Gradall: Motor MWM - International: Motor MWM Maxion: Motor S4 - MWM: Especial/Special 4 e 6 cil. - ZEN: Kit Reparo 12695		
MOTOR		
Prestolite: 35259430   35259620   35259630   35259650   35259660   35259670   35259690   35259750   35259760   35259880   35259900   35260950   35261070   35261120   35261155   35261190   35261355   35261360   35261420   35261425		
EQUIVALENTE / Equivalent		
MYR: 0144 - Prestolite: KJD20   KJD21   K01222   K01261   K01349   K01469   K21148   35259465 - Unifap: 12222		

**12685****PLANETÁRIA**

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 85

**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**12686****PLANETÁRIA**

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación**

**Cummins:** Motores Cummins Série B - **Dimex:** Ônibus - **Ford:** Caminhões | Pick Up F100 - **Mercedes Benz:** Ônibus - **ZEN:** Kit Reparo 12695

**MOTOR****Prestolite:** 35258880 | 35258940 | 35258950 | 35258990 | 35259000 | 35259130 | 35259210 | 35259620 | 35259630 | 35259650 | 35259660 | 35259670 | 35259690**EQUIVALENTE / Equivalent****MYR:** 0149 - **Prestolite:** KJD08 | KJD09 | 35258853 - **Unifap:** 12149**12687****PLANETÁRIA**

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación****Volkswagen:** Transporter T4 2.4 Diesel - **ZEN:** Kit Reparo 12695**MOTOR****Prestolite:** 35259480**EQUIVALENTE / Equivalent****MYR:** 0146 - **Prestolite:** K01219 | 35259859 - **Unifap:** 12219**12720****PLANETÁRIA**

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 85

**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. 85

**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

**13585****REPARO PLANETÁRIA**

PLANETARY GEAR REPAIR / ENGRANAJE PARA REPARACION REDUCTORES

FOTO / Photo pg. 85

**APLICAÇÃO / Application / Aplicación**

**Agco:** Trator 6 cil. - **Agrale:** Ônibus Volare - **Cummins:** Motores Cummins série 4BT | Motores Cummins série 6BT | Motores Cummins série 6BTAA | Motores Cummins série B - **Dimex:** Ônibus - **Ford:** Caminhões MWM | Cargo 1416 MWM | Cargo 1716 MWM | Cargo 1722 MWM | F100 MWM | F1000 MWM | F14000 MWM | Ranger MWM

**General Motors/Chevrolet:** Blazer Maxion | D20 MWM | S10 Maxion | Silverado MWM - **Indenor:** Motores Indenor 6305 | Motores Indenor 6354 - **John Deere:** Tratores

**Massey Ferguson:** Trator Motor 4 Cil. - **Maxion:** Motores - **Mercedes Benz:** Ônibus 6CC - **Perkins:** Motores 3152 | Motores 4203 | Motores 4236 | Motores 6354

**Peugeot:** Motor Indenor 504 | Motor Indenor 505 - **Volkswagen:** Caminhão 15-160 | Caminhões Cummins

**MOTOR**

**Prestolite:** 35258040 | 35258540 | 35258580 | 35258660 | 35258690 | 35258710 | 35258820 | 35258880 | 35258940 | 35258950 | 35258960 | 35258990 | 35259000 | 35259040 | 35259050 | 35259130 | 35259210 | 35259300 | 35259310 | 35259380 | 35259465 | 35259480 | 35259580 | 35259590 | 35259600 | 35259620 | 35259630 | 35259640 | 35259650 | 35259660 | 35259670 | 35259680 | 35259690 | 35259710 | 35259720 | 35259870 | 35259915 | 35259952 | 35260828 | 35260940 | 35261020 | 35261175

**EQUIVALENTE / Equivalent**

**Bosch:** 1126600975 - **Prestolite:** KJD08 | KJD09 | K01212 | K01219 | K01221 | K01284 | K01343 | K21147 | K21149 | 35258669 | 35258853 | 35259859 | 35259915 | 35259952 | 35259959 - **Unifap:** R0147



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