

CATÁLOGO

Catalogue • Catálogo



IMPULSORES DE PARTIDA, PINHÕES E PLANETÁRIAS

*Starter Drives, Pinions
and Planetary Gears*

*Impulsores de Arranque,
Piñones y Planetários*

MÁQUINAS - AGRÍCOLAS, CONSTRUÇÃO E INDUSTRIAIS

Machinery - Agricultural, Construction and Industrial

Máquinas - Agrícolas, Construcción e Industrias

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 correa, kits de distribución, motores de arranque, alternadores, rodamientos, tapas, planetarios y otros conformados a frío y tibio.



MISSÃO MISSION / MISIÓN

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

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

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

VISÃO VISION / VISIÓN

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

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

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

VALORES VALUES / VALORES

COMPROMETIMENTO • SINCERIDADE • INTEGRIDADE
SENSE DE URGÊNCIA • ESPÍRITO EMPREENDEDOR

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

AS NOVAS LINHAS DE PRODUTOS ZEN CHEGARAM

LLEGARON LOS NUEVOS PRODUCTOS ZEN

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

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



PRODUTOS DISPONÍVEIS NOS MELHORES DISTRIBUIDORES.

Productos disponibles en los mejores distribuidores.



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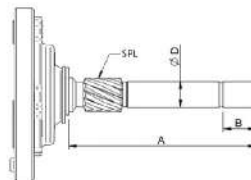
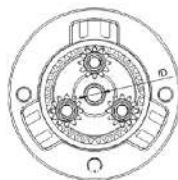
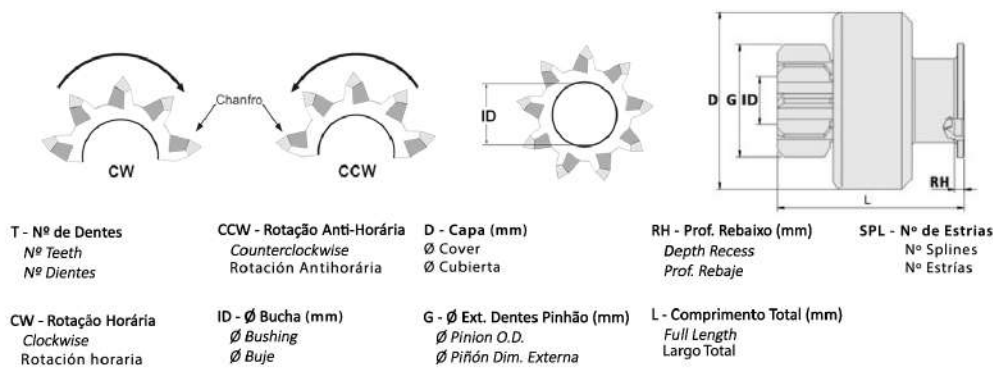
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ID - Ø da bucha (mm)
 Shaft Ø Bushing
 Buje Ø eje

SPL - Nº de Estrias
 N° Splines
 N° 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
 Shaft len. up to the chan
 Largo del eje hasta canal

Nº ZEN	ANTIGO OLD ANTIGUO	Pg.
Impulsor de Partida		
Starter Drive		
Impulsor de Arranque		
1.01.0022.0	0022	123
1.01.0024.0	0024	123
1.01.0028.0	0028	123
1.01.0034.0	0034	123
1.01.0039.0	0039	123
1.01.0041.0	0041	123
1.01.0043.0	0043	123
1.01.0051.0	0051	123
1.01.0052.0	0052	123
1.01.0056.0	0056	123
1.01.0059.0	0059	123
1.01.0060.0	0060	123
1.01.0062.0	0062	123
1.01.0064.0	0064	123
1.01.0067.0	0067	123
1.01.0073.0	0073	123
1.01.0085.0	0085	124
1.01.0086.0	0086	124
1.01.0092.0	0092	124
1.01.0093.0	0093	124
1.01.0096.0	0096	124
1.01.0097.0	0097	124
1.01.0101.0	0101	124
1.01.0102.0	0102	124
1.01.0105.0	0105	124
1.01.0108.0	0108	124
1.01.0110.0	0110	124
1.01.0112.0	0112	124
1.01.0117.0	0117	124
1.01.0118.0	0118	124
1.01.0125.0	0125	124
1.01.0133.0	0133	124
1.01.0134.0	0134	125
1.01.0144.0	0144	125
1.01.0150.0	0150	125
1.01.0155.0	0155	125
1.01.0163.0	0163	125
1.01.0182.0	0182	125
1.01.0186.0	0186	125
1.01.0188.0	0188	125
1.01.0193.0	0193	125
1.01.0198.0	0198	125
1.01.0216.0	0216	125
1.01.0217.0	0217	125
1.01.0223.0	0223	125
1.01.0224.0	0224	125
1.01.0225.0	0225	125
1.01.0226.0	0226	125
1.01.0291.0	0291	126
1.01.0302.0	0302	126
1.01.0304.0	0304	126
1.01.0308.0	0308	126

Nº ZEN	ANTIGO OLD ANTIGUO	Pg.
1.01.0310.0	0310	126
1.01.0312.0	0312	126
1.01.0315.0	0315	126
1.01.0316.0	0316	126
1.01.0318.0	0318	126
1.01.0322.0	0322	126
1.01.0339.0	0339	126
1.01.0343.0	0343	126
1.01.0348.0	0348	126
1.01.0351.0	0351	126
1.01.0352.0	0352	126
1.01.0353.0	0353	126
1.01.0366.0	0366	127
1.01.0367.0	0367	127
1.01.0376.0	0376	127
1.01.0378.0	0378	127
1.01.0392.0	0392	127
1.01.0398.0	0398	127
1.01.0418.0	0418	127
1.01.0427.0	0427	127
1.01.0434.0	0434	127
1.01.0438.0	0438	127
1.01.0439.0	0439	127
1.01.0440.0	0440	127
1.01.0447.0	0447	127
1.01.0448.0	0448	127
1.01.0450.0	0450	127
1.01.0480.0	0480	127
1.01.0485.0	0485	128
1.01.0492.0	0492	128
1.01.0495.0	0495	128
1.01.0496.0	0496	128
1.01.0497.0	0497	128
1.01.0498.0	0498	128
1.01.0507.0	0507	128
1.01.0539.0	0539	128
1.01.0555.0	0555	128
1.01.0556.0	0556	128
1.01.0557.0	0557	128
1.01.0561.0	0561	128
1.01.0566.0	0566	128
1.01.0567.0	0567	128
1.01.0584.0	0584	128
1.01.0594.0	0594	128
1.01.0595.0	0595	129
1.01.0596.0	0596	129
1.01.0607.0	0607	129
1.01.0608.0	0608	129
1.01.0610.0	0610	129
1.01.0612.0	0612	129
1.01.0622.0	0622	129
1.01.0624.0	0624	129
1.01.0625.0	0625	129
1.01.0626.0	0626	129
1.01.0635.0	0635	129

Nº ZEN	ANTIGO OLD ANTIGUO	Pg.
1.01.0638.0	0638	129
1.01.0648.0	0648	129
1.01.0649.0	0649	129
1.01.0650.0	0650	129
1.01.0651.0	0651	129
1.01.0661.0	0661	130
1.01.0668.0	0668	130
1.01.0669.0	0669	130
1.01.0670.0	0670	130
1.01.0721.0	0721	130
1.01.0722.0	0722	130
1.01.0748.0	0748	130
	0755	130
1.01.0758.0	0758	130
1.01.0776.0	0776	130
1.01.0778.0	0778	130
1.01.0783.0	0783	130
1.01.0784.0	0784	130
1.01.0813.0	0813	130
1.01.0814.0	0814	130
1.01.0818.0	0818	130
1.01.0850.0	0850	131
1.01.0853.0	0853	131
	0858	131
1.01.0879.0	0879	131
1.01.0887.0	0887	131
1.01.0888.0	0888	131
1.01.0893.0	0893	131
1.01.0894.0	0894	131
1.01.0902.0	0902	131
1.01.0906.0	0906	131
1.01.0914.0	0914	131
1.01.0929.0	0929	131
1.01.0930.0	0930	131
1.01.0943.0	0943	131
1.01.0947.0	0947	131
1.01.0948.0	0948	131
1.01.0950.0	0950	132
1.01.0958.0	0958	132
1.01.0970.0	0970	132
1.01.0978.0	0978	132
1.01.0985.0	0985	132
1.01.0996.0	0996	132
1.01.1013.0	1013	132
1.01.1030.0	1030	132
1.01.1038.0	1038	132
1.01.1046.0	1046	132
1.01.1059.0	1059	132
1.01.1060.0	1060	132
1.01.1065.0	1065	132
1.01.1071.0	1071	132
1.01.1073.0	1073	132
1.01.1076.0	1076	132
1.01.1090.0	1090	133
1.01.1112.0	1112	133

Nº ZEN	ANTIGO OLD ANTIGUO	Pg.
1.01.1134.0	1134	133
1.01.1157.0	1157	133
1.01.1180.0	1180	133
1.01.0491.1	1190	133
1.01.0629.1	1194	133
1.01.0649.1	1195	133
1.01.0650.1	1196	133
1.01.0778.1	1204	133
1.01.0780.1 / 1.	1205	133
1.01.0870.1	1210	133
1.01.0620.2	1224	133
1.01.0024.4	1359	133
1.01.0105.4	1364	133
1.01.1502.0	1502	133
1.01.1556.0	1556	134
1.01.1592.0	1592	134
1.01.1595.0	1595	134
1.01.1596.0	1596	134
1.01.1600.0	1600	134
1.01.1602.0	1602	134
1.01.1603.0	1603	134
1.01.1604.0	1604	134
1.01.1616.0	1616	134
1.01.1621.0	1621	134
1.01.1622.0	1622	134
1.01.1624.0	1624	134
1.01.1631.0	1631	134
1.01.1633.0	1633	134
1.01.1635.0	1635	134
1.01.1636.0	1636	134
1.01.1637.0	1637	135
1.01.1638.0	1638	135
1.01.1647.0	1647	135
1.01.1655.0	1655	135
1.01.1656.0	1656	135
1.01.1678.0	1678	135
1.01.1679.0	1679	135
1.01.1690.0	1690	135
1.01.1693.0	1693	135
1.01.1698.0	1698	135
1.01.1699.0	1699	135
1.01.1700.0	1700	135
1.01.1701.0	1701	135
1.01.1709.0	1709	135
1.01.1711.0	1711	135
1.01.1713.0	1713	135
1.01.1719.0	1719	136
1.01.1722.0	1722	136
1.01.1726.0	1726	136
1.01.1733.0	1733	136
1.01.1744.0	1744	136
1.01.1751.0	1751	136
1.01.1753.0	1753	136
1.01.1754.0	1754	136
1.01.1772.0	1772	136

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1.01.1796.0	1796	136
1.01.1805.0	1805	136
1.01.1809.0	1809	136
1.01.1810.0	1810	136
1.01.1811.0	1811	136
1.01.1828.0	1828	136
1.01.1829.0	1829	136
1.01.1831.0	1831	137
1.01.1837.0	1837	137
1.01.1846.0	1846	137
1.01.1878.0	1878	137
1.01.1880.0	1880	137
1.01.1881.0	1881	137
	1883	137
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	1898	137
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	0087	140
	0088	140
	0089	140
	9028	140
	9074	140
	9186	140
	9260	140
	9302	140
	9403	140
	9426	140
	9459	140
	9495	140
	9791	140
	10048	141
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	13117	141
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Component

Componente

1.01.0121.0	0121	142
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MAW 173 F4L912 Deutz Diesel	0308	126
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Motor Estacionário M70	0163	125
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Motor Estacionário M790	0163	125
Motor Estacionário M80	0062	123
Motor Estacionário M80	0163	125
Motor Estacionário M85	0062	123
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Tractor Farm 1390 4 Cil 219 Diesel	0507	128
Tractor Farm 1490 4 Cil 219 Diesel	0507	128
Tractor Farm 995 4 Cil 219 Diesel	0507	128
Trator 42 MT	0117	124
Trator	0134	125
Trator 5100	0970	132
Trator 180	0097	124
Trator 2470	0087	140

Case	Nº ZEN	Pg.
Trator 4490	0087	140
Trator 580H/SH/SH 4x4 Cummins 433.9	0497	128
Trator Agrícola 2470	0133	124
Trator Agrícola 2470 e 4490	0122	142
Trator Agrícola 4490	0133	124
Trator Farmall 105C 3.4	1700	135
Trator Farmall 105U 3.4	1700	135
Trator Farmall 105UPRO 3.4	1700	135
Trator Farmall 110U 3.4	1700	135
Trator Farmall 115U 3.4	1700	135
Trator Farmall 120 3.4	1700	135
Trator Farmall 130 3.4	1700	135
Trator Farmall 55C 3.2	1700	135
Trator Farmall 65C 3.2	1700	135
Trator Farmall 75A	1700	135
Trator Farmall 75C 3.2	1700	135
Trator Farmall 85A 3.2	1700	135
Trator Farmall 85C 3.4	1700	135
Trator Farmall 95C 3.4	1700	135
Trator Farmall 95U 3.4	1700	135
Trator Farmall 95UPRO 3.4	1700	135
Trator Magnum 220 Cummins 6 cil.	1994	138
Trator Magnum 225 Cummins, 6 cil. 8.3	1994	138
Trator Magnum 235 Cummins	1994	138
Trator Magnum 240 Cummins 6 cil.	1994	138
Trator Magnum 250 Cummins, 6 cil. 8.3	1994	138
Trator Magnum 255 Cummins 6 cil.	1994	138
Trator Magnum 260 Cummins	1994	138
Trator Magnum 270 Cummins 6 cil.	1994	138
Trator Magnum 280 Cummins 6 cil.	1994	138
Trator Magnum 290 Cummins 6 cil.	1994	138
Trator Magnum 305 Cummins	1994	138
Trator Magnum 310 Cummins 6 cil.	1994	138
Trator Magnum 315 Cummins	1994	138
Trator Magnum 335 Cummins 8.9 6 cil.	1994	138
Trator Magnum 340 Cummins	1994	138
Trator Magnum 370 Cummins	1994	138
Trator MX 135	0814	130
Trator Quantum 65C 3.2	1700	135
Trator Quantum 65V 3.2	1700	135
Trator Quantum 75C 3.2	1700	135
Trator Quantum 75FNV 3.2	1700	135
Trator Quantum 85FV 3.2	1700	135
Trator W20 Cummins 6BT590	0748	130
Trator W36	0087	140
Tratores	9302	140
Tratores Magnum MX220, MX240 e MX270 com motor Cummins 8,3L	13130	141
TX36	1616	134
W18	0105	124
W18	1364	133
W20 (MBB-OM 352)	0105	124
W20 (MBB-OM 352)	1364	133
W20B (MBB-OM 352A)	0105	124
W20B (MBB-OM 352A)	1364	133
Windrower 6000 225 gasolina	0495	128
Windrower 6500 225 gasolina	0495	128

Case IH	Nº ZEN	Pg.
C9 8200242 38MT - 24V	13138	141
Colheitadeira de cana A8000 e A8800 com Motor Case IH C9	13138	141

Caterpillar	Nº ZEN	Pg.
112F	0097	124
1140 V8	0097	124
1145 V8	0097	124
1150 V8	0097	124
1160 V8	0097	124
120	0097	124
120G	0097	124
12F	0097	124
130G	0097	124
140	0097	124
140G	0097	124
14E	0097	124
14G	0097	124
1670	0097	124
1670 Com motor Cummins	0110	124
1673	0097	124
1673 Com motor Cummins	0110	124
1674	0097	124
1676	0097	124
16G	0110	124
215	0097	124
215B	0097	124
215C	0097	124
219	0097	124
235B	0097	124
235C	0097	124
245 Com motor Cummins	0110	124
245D	0097	124
3114	1831	137
3208	0097	124
320B Mitsubishi 24V	0887	131
3304	0097	124
3306	0097	124
3406	0110	124
3408	0110	124
3412	0110	124
3508 Com motor Cummins	0110	124
3508	0626	129
3512 Com motor Cummins	0110	124
3512	0626	129
3516 Com motor Cummins	0110	124
3516	0626	129
508	0097	124
518	0097	124
528	0097	124
615	0097	124
615C	0097	124
621	0097	124
621B Com motor Cummins	0110	124
621E Com motor Cummins	0110	124
623B Com motor Cummins	0110	124
627	0097	124

Caterpillar	Nº ZEN	Pg.
627B	0097	124
627E	0097	124
637D	0097	124
637E	0097	124
776 Com motor Cummins	0110	124
776B Com motor Cummins	0110	124
814	0097	124
814B	0097	124
815	0097	124
816B	0097	124
824C Com motor Cummins	0110	124
825C	0097	124
826C Com motor Cummins	0110	124
910	0097	124
916	0097	124
920	0097	124
926	0097	124
926E	0097	124
930	0097	124
936	0097	124
936E	0097	124
938H	1948	137
941	0097	124
950	0097	124
950B	0097	124
950E	0097	124
951C	0097	124
955K	0097	124
955L	0097	124
963	0097	124
963B	0097	124
966C	0097	124
966D	0097	124
973	0097	124
977K	0097	124
980	0097	124
980B	0097	124
980C Com motor Cummins	0110	124
983B Com motor Cummins	0110	124
AH40	0097	124
AH46	0097	124
AH52	0097	124
AH60	0097	124
AM36	0097	124
AM40	0097	124
Blue Bird USA Cat 3126 7.2	1595	134
Blue Diamond USA	1837	137
Carregadeira 916	0776	130
Carregadeira 926	0776	130
Carregadeira 926E	0776	130
Cat 3216 7.2 F650	1837	137
Cat D300	0088	140
Caterpillar	0117	124
Caterpillar Facet 10061	0555	128
Caterpillar Facet	0556	128
Colheitadeira MT 875.	1205	133
D320	0110	124

Caterpillar	Nº ZEN	Pg.
D4D	0097	124
D4E	0097	124
D4H	0097	124
D5	0097	124
D5H	0097	124
D6C	0097	124
D6D	0097	124
D7F	0097	124
D8N Com motor Cummins	0110	124
Duty 3204 Motor Médio	0776	130
Engine 6 Cyl D 343	0556	128
Escavadeira 943 3204	0776	130
Escavadeira 215B	0776	130
Escavadeira 953 3204	0776	130
FB227	0097	124
Grupo Gerador 3304T	0122	142
Grupo Gerador 3304T	0133	124
Grupo Gerador 3306T	0122	142
Grupo Gerador 3306T	0133	124
IT14B Com motor Cummins	0110	124
Máquinas com motor D330C	0097	124
Máquinas com motor D333C	0097	124
Máquinas com motor D334C	0097	124
Máquinas com motor D336C	0097	124
Máquinas com motor D344C	0097	124
Máquinas com motor D330C	9028	140
Máquinas com motor D333C	9028	140
Máquinas com motor D334C	9028	140
Máquinas com motor D336C	9028	140
Máquinas com motor D344C	9028	140
Máquinas	9426	140
Máquinas equipadas com motor D311	0110	124
Máquinas equipadas com motor D320	0110	124
Máquinas equipadas com motor D330	0110	124
Máquinas equipadas com motor D333	0110	124
Máquinas equipadas com motor D342	0110	124
Máquinas equipadas com motor D343	0110	124
Máquinas equipadas com motor D311	9074	140
Máquinas equipadas com motor D320	9074	140
Máquinas equipadas com motor D330	9074	140
Máquinas equipadas com motor D333	9074	140
Máquinas equipadas com motor D342	9074	140
Máquinas equipadas com motor D343	9074	140
Moto Scraper 631E	0088	140
Moto Scraper 631E	0122	142
Moto Scraper 631E	0133	124
Motoniveladora 120B	0089	140
Motoniveladora 120B	0122	142
Motoniveladora 120B 3306	0133	124
Motoniveladora 120H	1205	133
Motoniveladora 12E	0036	140
Motoniveladora 12E	0121	142
Motoniveladora 12E	0201	142
Motoniveladora 140B 3306	0122	142
Motoniveladora 140B 3306	0133	124
Motoniveladora 140B (3306)	0089	140
Motor 2.2	2009	138

Caterpillar	Nº ZEN	Pg.
Motores geradores 3304T	0089	140
Motores geradores 3306T	0089	140
Pá carregadeira 120M	0110	124
Pá carregadeira 180M	0110	124
Pá Carregadeira 930	0089	140
Pá Carregadeira 930	0133	124
Pá Carregadeira 960	0122	142
Pá Carregadeira 966	0089	140
Pá Carregadeira 966	0110	124
Pá Carregadeira 966	0122	142
Pá Carregadeira 966	0133	124
Pipelayers 583h D342 Diesel	0555	128
Pipelayers 583k D342 Diesel	0555	128
Pipelayers 594 D353 Diesel	0555	128
Pipelayers 594h D353 Diesel	0555	128
Track Tractors D7e	0555	128
Track Tractors D8k D342 Diesel	0555	128
Track Tractors D9g	0555	128
Track Tractors D9h D353 Diesel	0555	128
Tranportador de Ferramentas IT18B 3204	0776	130
Tranportador de Ferramentas IT28B 3204	0776	130
Trator Challenger 65 e 70	0097	124
Trator de Esteiras 631E	0122	142
Trator de Esteiras 631E	0133	124
Trator de Esteiras D4D	0122	142
Trator de Esteiras D4D	0133	124
Trator de Esteiras D4E	0089	140
Trator de Esteiras D4E	0122	142
Trator de Esteiras D4E	0133	124
Trator de Esteiras D5B	0122	142
Trator de Esteiras D5B	0133	124
Trator de Esteiras D6C	0122	142
Trator de Esteiras D6C	0133	124
Trator de Esteiras D6D	0089	140
Trator de Esteiras D6D	0122	142
Trator de Esteiras D6D	0133	124
Trator de Esteiras D6E	0122	142
Trator de Esteiras D6E	0133	124
Trator de Esteiras D8L	0122	142
Trator de Esteiras D8L	0133	124
Trator de Esteiras D8L e 631E	0088	140
Trator Esteira D4H 3204	0776	130
V160	0097	124
V160B	0097	124
V180	0097	124
V180B	0097	124
V200	0097	124
V225	0097	124
V250	0097	124
V250B	0097	124
V300	0097	124
V300B	0097	124
V330B	0097	124
V60E Perkins 4-236	10048	141
V80E Perkins 4-236	10048	141

CBT	Nº ZEN	Pg.
1000 Perkins 4, 6 cil	1359	133
1065	1364	133
1065 (MBB-OM 314)	1364	133
1090 Perkins 6 cil	0060	123
1090 Perkins 4, 6 cil	1359	133
1100 Perkins 4, 6 cil	1359	133
1105 (MBB-OM 352)	1364	133
2080 (MBB-OM 314)	1364	133
2105 (MBB-OM 352)	1364	133
2600	1364	133
8060 4x4 (MBB-OM 352)	1364	133
8240 Perkins 4236 álcool	1359	133
8240 4.248 JF 12v	1690	135
8440	1073	132
8440	1364	133
950	1364	133
Oliver 1020	0034	123
Oliver 1020	1364	133
Oliver 1065	0034	123
Oliver 1105	0034	123
Oliver 950	0034	123
Trator 1000 Perkins 4 e 6 cil	0024	123
Trator 1065 (MBB-OM 314)	0105	124
Trator 1090 Perkins 4 e 6 cil	0024	123
Trator 1100 Perkins 4 e 6 cil	0024	123
Trator 1105 (MBB-OM 352)	0105	124
Trator 2080 (MBB-OM 314)	0105	124
Trator 2105 (MBB-OM 352)	0105	124
Trator 2600	0105	124
Trator 8060 4x4 (MBB-OM 352)	0105	124
Trator 8240 Perkins 4236	0024	123
Trator 8240	0118	124
Trator 8260 4x4 com motor Perkins	0118	124
Trator 8440	0105	124
Trator Oliver 1020	0105	124
Trator Oliver 1065	0105	124
Trator Oliver 950	0105	124

Chrysler	Nº ZEN	Pg.
135	1359	133
155	1359	133
300 V8 7.2L 440cid	0495	128
300 V8 7.2L 7211cc 440cid	0495	128
300 V8 7.2L 7212cc 440cid	0495	128
50	1359	133
60	1359	133
C-300	1359	133
C-500 Y110	1359	133
Caminhão Dodge com motor Perkins 4 cil	0102	124
Caminhão Dodge D300 com motor Perkins	0118	124
Caminhão Dodge D950 com motor MWM	0105	124
Caminhão Dodge P700 com motor MWM	0105	124
Caminhão Dodge P900 com motor MWM	0105	124
Cordoba L6 3.7L 3687cc 225cid	0495	128
Cordoba V8 5.2L 318cid	0495	128
Cordoba V8 5.9L 360cid	0495	128
Cordoba V8 6.6L 400cid	0495	128

Chrysler	Nº ZEN	Pg.
Dodge	0352	126
Dodge Série S	0661	130
Dodge C17	0392	127
Dodge C20	0392	127
Dodge C2662	0392	127
Dodge C2664	0392	127
Dodge D14000 MWM 6 cil e partida Wapsa	0085	124
Dodge D400 Perkins 4 cil	0024	123
Dodge D400 Perkins 4 cil	1359	133
Dodge D750 MWM 6 cil	0085	124
Dodge D950 MWM	0034	123
Dodge D950 MWM 6 cil	0085	124
Dodge D950 MWM	1364	133
Dodge Horizon	0339	126
Dodge P700 MWM	1364	133
Dodge P900 MWM	1364	133
Dodge T17	0392	127
Fifth Avenue L6 3.7L 3687cc 225cid	0495	128
Fifth Avenue V8 5.2L 318cid	0495	128
HY 40	1359	133
Imperial V8 5.2L 318cid	0495	128
Imperial V8 7.2L 440cid	0495	128
Imperial V8 7.2L 7211cc 440cid	0495	128
Imperial V8 7.2L 7212cc 440cid	0495	128
LeBaron L6 3.7L 3687cc 225cid	0495	128
LeBaron V8 5.2L 318cid	0495	128
LeBaron V8 5.9L 360cid	0495	128
New Yorker L6 3.7L 3687cc 225cid	0495	128
New Yorker V8 5.2L 318cid	0495	128
New Yorker V8 5.9L 360cid	0495	128
New Yorker V8 6.6L 400cid	0495	128
New Yorker V8 6.6L 6555cc 400cid	0495	128
New Yorker V8 7.2L 440cid	0495	128
New Yorker V8 7.2L 7211cc 440cid	0495	128
New Yorker V8 7.2L 7212cc 440cid	0495	128
Newport L6 3.7L 3687cc 225cid	0495	128
Newport V8 5.2L 318cid	0495	128
Newport V8 5.9L 360cid	0495	128
Newport V8 5.9L 5899cc 360cid	0495	128
Newport V8 5.9L 5900cc 360cid	0495	128
Newport V8 6.3L 383cid	0495	128
Newport V8 6.3L 6286cc 383cid	0495	128
Newport V8 6.6L 400cid	0495	128
Newport V8 6.6L 6555cc 400cid	0495	128
Newport V8 7.2L 440cid	0495	128
Newport V8 7.2L 7211cc 440cid	0495	128
Newport V8 7.2L 7212cc 440cid	0495	128
Omni	0339	126
Town Country L6 3.7L 3687cc 225cid	0495	128
Town Country V8 5.9L 360cid	0495	128
Town Country V8 6.3L 383cid	0495	128
Town Country V8 6.3L 6286cc 383cid	0495	128
Town Country V8 6.6L 400cid	0495	128
Town Country V8 6.6L 6555cc 400cid	0495	128
Town Country V8 6.6L 6556cc 400cid	0495	128
Town Country V8 7.2L 440cid	0495	128
Town Country V8 7.2L 7211cc 440cid	0495	128

Chrysler	Nº ZEN	Pg.
Town Country V8 7.2L 7212cc 440cid	0495	128
Citroën	Nº ZEN	Pg.
BX 14	0108	124
C22	0108	124
C25	0108	124
LNA II	0108	124
Visa	0108	124
Visa II	0108	124
XM 2.1 diesel	1030	132
XM 2.1 turbo diesel	1030	132
Claas	Nº ZEN	Pg.
Atles Trator 926, 935, 936, 946	1979	138
Colheitadeira 75R, 6030, 7055, 9055	1979	138
Consul Deutz F4L912	0308	126
Consul 3.8	1073	132
Consul, Consul Corsar	2021	139
Corsar Deutz F4L912	0308	126
Cosmos Deutz F4L912	0308	126
Dominator 5.7	1073	132
Europa Deutz F4L912	0308	126
Máquina Scorpion 7030 Deutz TCD 2012 L04 2V 102HP	1751	136
Máquina Scorpion 7040 Deutz TCD 2012 L04 120HP	1751	136
Máquina Scorpion 7045 Deutz TCD 2012 L04 140HP	1751	136
Máquina Scorpion 7055 TCD 4,1 L4 115kW Tier 4i	1751	136
Máquina Scorpion 9040 Deutz TCD 2012 L04 140HP	1751	136
Máquina Scorpion 9055 TCD 4,1 L4	1751	136
Máquina Scorpion 6030 TD2011 L04 75kW	1751	136
Mercator Deutz F4L912	0308	126
Mercator 5.7	1073	132
Mercator 50 Deutz F4L912	0308	126
Mercator 50, 60, 70, 75R	2021	139
Mercator 60 Deutz F6L912	0308	126
Mercator 70 Deutz F6L912	0308	126
Mercator 75R Deutz F6L912	0308	126
Mercur Deutz F4L912	0308	126
Senator Deutz F6L912	0308	126
Trator Elios 210 3.2	1700	135
Trator Elios 220 3.2	1700	135
Trator Elios 230 3.2	1700	135
Trator Nexos 210F, VE, VL 3.2	1700	135
Trator Nexos 220F, VE, VL 3.2	1700	135
Trator Nexos 230F, VE, VL 3.2	1700	135
Clark	Nº ZEN	Pg.
101	0097	124
1075 John Deere 4276	9459	140
1080 J. Deere 4276	9459	140
110	0110	124
110III	0110	124
110IIIIH	0110	124
125	0097	124
125A	0097	124
125B	0097	124
125III	0097	124
175III	0097	124
180III	0110	124

Clark	Nº ZEN	Pg.
2000 Perkins 2.5L	0649	129
210I	0110	124
210III	0110	124
275	0097	124
280	0110	124
280IIIA	0110	124
301	0097	124
400	0110	124
450	0110	124
45C	0097	124
501	0110	124
550	0110	124
55B	0097	124
55C	0097	124
55IIIA	0097	124
641 Deutz F2L511	0649	129
650	0110	124
7200S	0097	124
741 Deutz F2L511	0649	129
75B	0097	124
75C	0097	124
75III	0110	124
75IV	0110	124
843 Perkins 2.5L	0649	129
843B Isuzu Engines	0649	129
853 / 853H Isuzu Engines	0649	129
85A	0110	124
85CIIIA	0097	124
85III	0097	124
943 Perkins 4-236	0649	129
974 Perkins 4-236	0649	129
975 J. Deere 4276	9459	140
C20 Séries Continental Y112 Engine	0567	128
C25 Séries Continental Y112 Engine	0567	128
C30 Séries Continental F162 Engine	0567	128
C40 Séries Continental F162 Engine	0567	128
C50 Séries Continental F162 Engine	0567	128
C500	0110	124
C60 Séries Continental F209 Engine	0567	128
CF20 Séries Continental Y112 Engine	0567	128
CF25 Séries Continental Y112 Engine	0567	128
CF30 Séries Continental F162 Engine	0567	128
CF40 Séries Continental F162 Engine	0567	128
CF50 Séries Continental F162 Engine	0567	128
CFY60 Séries Continental F244 Engine	0567	128
CHY100 GM 6 cil	0073	123
CHY120 GM 6 cil	0073	123
CHY140 GM 6 cil	0073	123
CHY60 GM 6 cil	0073	123
CHY70 GM 6 cil	0073	123
CHY80 GM 6 cil	0073	123
CT20 Séries Continental F162 Engine	0567	128
CT30 Séries Continental F162 Engine	0567	128
CT40 Séries Continental F162 Engine	0567	128
CT50 Séries Continental F162 Engine	0567	128
CY20 Séries Continental F162 Engine	0567	128
CY30 Séries Continental F162 Engine	0567	128

Clark	Nº ZEN	Pg.
CY40 Séries Continental F162 Engine	0567	128
CY60 Séries Continental F244 Engine	0567	128
Empilhadeira com motor Detroit D478	0093	124
Empilhadeira	0198	125
Empilhadeira	0906	131
Empilhadeira	1883	137
Empilhadeira 135	0024	123
Empilhadeira 155	0024	123
Empilhadeira 50	0024	123
Empilhadeira 60	0024	123
Empilhadeira C-300	0024	123
Empilhadeira C-500	0024	123
Empilhadeira CFY 40	0086	124
Empilhadeira CFY40 Willys 6 cil	0022	123
Empilhadeira CFY50 Willys 6 cil	0022	123
Empilhadeira CFY50	0086	124
Empilhadeira CG P 25 Com Arranque Adaptado	0893	131
Empilhadeira Clark CGP25	0596	129
Empilhadeira HY 40	0024	123
Empilhadeira Y110	0024	123
Empilhadeiras	9426	140
Especial/Special	0721	130
Especial/Special	1195	133
Especial/Special	1196	133
Mini Carregadeira	1754	136
Mini Pá Carregadeira	0125	124
Motor PK4236 Pick Up	1359	133
Pá Carregadeira	0117	124
Pá Carregadeira Michigam 55A	0034	123
Pá Carregadeira Michigam 65R	0034	123
Pá Carregadeira Michigam 75III	0034	123
Pá Carregadeira Michigan 45C	0105	124
Pá Carregadeira Michigan 45C	1364	133
Pá Carregadeira Michigan 55A	0105	124
Pá Carregadeira Michigan 55A	1364	133
Pá Carregadeira Michigan 55C	0105	124
Pá Carregadeira Michigan 55C	1364	133
Pá Carregadeira Michigan 65R	0105	124
Pá Carregadeira Michigan 65R	1364	133
Pá Carregadeira Michigan 75A	0024	123
Pá Carregadeira Michigan 75A	1359	133
Pá Carregadeira Michigan 75II	0024	123
Pá Carregadeira Michigan 75II	1359	133
Pá Carregadeira Michigan 75III	0024	123
Pá Carregadeira Michigan 75III	0105	124
Pá Carregadeira Michigan 75III	1359	133
Pá Carregadeira Michigan 75III	1364	133
PK4236 Pick Up	0024	123
Class	Nº ZEN	Pg.
Trator 6.8 L DPS 6068TRT, 6 cyl. 147HP	1678	135
Clayson	Nº ZEN	Pg.
1520, 1530, 1540	1979	138
CNH	Nº ZEN	Pg.
F5C8 3.2 4cil.	1700	135
F5C8 4Cil 3.2	1700	135

CNH	Nº ZEN	Pg.
Industrial motores	1994	138
Cockshutt	Nº ZEN	Pg.
5542 Chrysler 8...383	0495	128
555 Chrysler 383 Engine	0495	128
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D200 Pick Up V8 7.2L 7211cc 440cid	0495	128
D200 Pick Up V8 7.2L 7212cc 440cid	0495	128
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D300 Pick Up V8 5.9L 5900cc 360cid	0495	128
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D300 Pick Up V8 6.6L 400cid	0495	128
D300 Pick Up V8 6.6L 6555cc 400cid	0495	128
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D300 Pick Up V8 7.2L 440cid	0495	128
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D300 Pick Up V8 7.2L 7212cc 440cid	0495	128
D300 Séries V8 6.3L 6286cc 383cid	0495	128
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D400 V8 5.9L 360cid	0495	128
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Dart L6 3.7L 3687cc 225cid	0495	128
Dart V8 4.5L 273cid	0495	128
Dart V8 4.5L 4473cc 273cid	0495	128
Dart V8 5.2L 318cid	0495	128
Dart V8 5.2L 5212cc 318cid	0495	128
Dart V8 5.6L 340cid	0495	128
Dart V8 5.6L 5572cc 340cid	0495	128
Diplomat L6 3.7L 3687cc 225cid	0495	128
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Van B150 L6 3.7L 3687cc 225cid	0495	128
Van B150 V8 5.2L 5211cc 318cid	0495	128
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Van B200 L6 3.7L 3687cc 225cid	0495	128
Van B200 V8 5.2L 5211cc 318cid	0495	128
Van B200 Van L6 3.2L 198cid	0495	128
Van B200 Van L6 3.2L 3254cc 198cid	0495	128
Van B200 Van L6 3.7L 225cid	0495	128
Van B200 Van L6 3.7L 3687cc 225cid	0495	128
Van B200 Van V8 5.2L 318cid	0495	128
Van B200 Van V8 5.2L 5212cc 318cid	0495	128
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Van B250 V8 5.2L 5211cc 318cid	0495	128
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Van B300 L6 3.7L 3687cc 225cid	0495	128
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Van B300 Van L6 3.7L 225cid	0495	128
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D100 Pick Up L6 3.7L 3687cc 225cid	0495	128
D100 Pick Up V8 5.2L 318cid	0495	128
D100 Pick Up V8 5.2L 5212cc 318cid	0495	128
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D200 V8 5.2L 5211cc 318cid	0495	128
D200 Pick Up L6 3.7L 3687cc 225cid	0495	128
D200 Pick Up V8 5.2L 318cid	0495	128
D200 Pick Up V8 5.2L 5212cc 318cid	0495	128
D250 L6 3.7L 3687cc 225cid	0495	128
D250 V8 5.2L 5211cc 318cid	0495	128
D300 L6 3.7L 3687cc 225cid	0495	128
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D300 Pick Up L6 3.7L 3687cc 225cid	0495	128
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W100 Pick Up V8 5.2L 5212cc 318cid	0495	128
W150 L6 3.7L 3687cc 225cid	0495	128
W150 V8 5.2L 5211cc 318cid	0495	128
W200 L6 3.7L 3687cc 225cid	0495	128
W200 V8 5.2L 318cid	0495	128
W200 V8 5.2L 5211cc 318cid	0495	128
W200 Pick Up L6 3.7L 3687cc 225cid	0495	128
W200 Pick Up V8 5.2L 318cid	0495	128
W200 Pick Up V8 5.2L 5212cc 318cid	0495	128
W250 V8 5.2L 5211cc 318cid	0495	128
W300 L6 3.7L 3687cc 225cid	0495	128
W300 V8 5.2L 5211cc 318cid	0495	128
W300 Pick Up L6 3.7L 3687cc 225cid	0495	128
W300 Pick Up V8 5.2L 318cid	0495	128
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SD192	0217	125
SD198	0150	125
SD199	0398	127
SD303	0155	125

Italacciai	Nº ZEN	Pg.
SD306	0223	125
SD312	0118	124
SD313	0378	127
SD314	0648	129
SD341	0064	123
SD346	0318	126
SD347	0312	126
SD349	0101	124
SD357	0366	127
SD359	0353	126
SD401	0096	124
SD436	0108	124
SD441	0392	127
SD442	0418	127
SD443	0367	127
SD813	0216	125
SP201	0035	140
SP205	0036	140
SP208	0087	140
John Deere	Nº ZEN	Pg.
AR54992	0434	127
CH12485	1828	136
19024524	0366	127
RE501692	2017	139
RE501912	1971	138
RE503358	1952	138
KHD	Nº ZEN	Pg.
01319755	1038	132
01319806	1038	132
Kubota	Nº ZEN	Pg.
1550463041	0947	131
1550463041	1722	136
1552163041	1957	138
Lester	Nº ZEN	Pg.
3038	0556	128
3039	0626	129
3040	0626	129
3041	0110	124
3042	0110	124
3043	0110	124
3045	0110	124
3047	0110	124
3048	0776	130
3050	0914	131
3052	0879	131
3053	0188	125
3054	0879	131
3055	0117	124
3055	0776	130
3056	0188	125
3057	0188	125
3058	0188	125
3060	0188	125
3061	0188	125
3064	0117	124

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
3064	0776	130	3701	0626	129	3963	0110	124	4276	0093	124
3065	0879	131	3702	0626	129	3964	0052	123	4280	0051	123
3074	0110	124	3708	0093	124	3966	0052	123	4281	0093	124
3204	1224	133	3712	0110	124	3971	0097	124	4283	0052	123
3205	1224	133	3720	0093	124	3972	0093	124	4284	0093	124
3213	1224	133	3726	0093	124	3974	0110	124	4286	0052	123
3217	1224	133	3729	0051	123	3976	0188	125	4307	0112	124
3224	1224	133	3744	0110	124	3977	0051	123	4307	1928	137
3232	1224	133	3745	0110	124	3977	0093	124	4318	0112	124
3238	1224	133	3747	0626	129	3979	0182	125	4318	1928	137
3239	1224	133	3757	0110	124	3986	0093	124	4326	0052	123
3240	1224	133	3758	0182	125	3987	0097	124	4328	0052	123
3241	1224	133	3766	0110	124	3990	0097	124	4338	0093	124
3246	1224	133	3770	0110	124	3991	0093	124	4385	0093	124
3247	1224	133	3774	0093	124	3992	0051	123	4387	0051	123
3257	0495	128	3777	0188	125	3997	0110	124	4388	0052	123
3258	0495	128	3785	0110	124	3999	0097	124	4389	0093	124
3264	1224	133	3789	0879	131	4000	0112	124	4392	0093	124
3266	1224	133	3790	0097	124	4000	1928	137	4393	0052	123
3268	1224	133	3793	0051	123	4046	0052	123	4398	0093	124
3269	1224	133	3796	0879	131	4056	0039	123	4399	0093	124
3270	1224	133	3798	0182	125	4098	0052	123	4408	0052	123
3271	1224	133	3804	0051	123	4100	0112	124	4500	0052	123
3272	1224	133	3809	0117	124	4100	1928	137	4506	0052	123
3273	1224	133	3809	0776	130	4151	0052	123	4508	0052	123
3274	1224	133	3846	0188	125	4167	0052	123	4509	0052	123
3276	0051	123	3852	0051	123	4191	0093	124	4525	0093	124
3279	0051	123	3870	0052	123	4192	0093	124	4537	0093	124
3280	0051	123	3872	0555	128	4200	0052	123	4545	0052	123
3281	0052	123	3873	0051	123	4201	0052	123	4573	0093	124
3282	0052	123	3883	0052	123	4202	0052	123	4577	0039	123
3288	0097	124	3884	0117	124	4211	0112	124	4597	0052	123
3288	0626	129	3884	0776	130	4211	1928	137	4600	0110	124
3289	0626	129	3885	0776	130	4217	0052	123	4636	0117	124
3290	0626	129	3894	0117	124	4224	0052	123	4678	0039	123
3296	0110	124	3894	0776	130	4239	0052	123	4723	0052	123
3297	0626	129	3895	0117	124	4241	0093	124	4731	0117	124
3298	0110	124	3895	0776	130	4243	0052	123	4732	0117	124
3299	0110	124	3898	0093	124	4244	0052	123	4733	0117	124
3300	0112	124	3899	0626	129	4246	0052	123	4734	0117	124
3300	1928	137	3902	0110	124	4248	0112	124	4747	0117	124
3339	0097	124	3905	0110	124	4248	1928	137	4748	0117	124
3342	0110	124	3931	0117	124	4249	0052	123	4749	0188	125
3352	0097	124	3931	0776	130	4251	0112	124	4828	0093	124
3353	0093	124	3932	0914	131	4251	1928	137	4851	0626	129
3362	0093	124	3941	0110	124	4252	0093	124	4882	0051	123
3363	0093	124	3942	0093	124	4254	0052	123	4883	0051	123
3364	0914	131	3943	0051	123	4265	0093	124	4893	0051	123
3365	0093	124	3945	0182	125	4266	0093	124	4894	0093	124
3367	0093	124	3948	0097	124	4267	0093	124	4897	0556	128
3370	0097	124	3949	0117	124	4268	0112	124	4898	0093	124
3370	0914	131	3953	0051	123	4268	1928	137	4899	0110	124
3374	0097	124	3955	0097	124	4272	0093	124	4899	1190	133
3511	0093	124	3956	0556	128	4274	0093	124	4906	0093	124
3512	0093	124	3958	0110	124	4275	0093	124	4918	0556	128

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
4927	0110	124	6234	0914	131	6500	0182	125	6588	0649	129
4930	0110	124	6238	0097	124	6509	0110	124	6588	1195	133
4937	0110	124	6242	0097	124	6510	0112	124	6592	0722	130
4941	0093	124	6243	0110	124	6510	1928	137	6593	0649	129
4943	0112	124	6245	0110	124	6511	0110	124	6593	1195	133
4943	1928	137	6246	0097	124	6513	0110	124	6594	0721	130
4946	0093	124	6247	0914	131	6515	0182	125	6596	0722	130
4949	0093	124	6248	0914	131	6516	0097	124	6597	0721	130
4953	0093	124	6249	0097	124	6518	0914	131	6598	0722	130
4971	0093	124	6250	0097	124	6519	0051	123	6599	0651	129
4972	0093	124	6251	0097	124	6521	0052	123	6600	0649	129
4973	0093	124	6252	0097	124	6528	0914	131	6600	1195	133
4984	0188	125	6253	0097	124	6529	0914	131	6602	0649	129
4987	0110	124	6254	0097	124	6530	0097	124	6602	1195	133
4994	0112	124	6255	0914	131	6538	0110	124	6618	0097	124
4994	1928	137	6257	0182	125	6543	0093	124	6619	0110	124
4995	0112	124	6258	0914	131	6544	0097	124	6621	0626	129
4995	1928	137	6259	0097	124	6547	0182	125	6622	0626	129
4996	0052	123	6261	0626	129	6548	0110	124	6623	0626	129
4997	0097	124	6263	0626	129	6549	0110	124	6624	0110	124
4998	0093	124	6272	0626	129	6550	0914	131	6625	0110	124
4999	0051	123	6273	0626	129	6551	0110	124	6626	0914	131
5311	0188	125	6288	0888	131	6552	0110	124	6627	0914	131
5597	0117	124	6348	0625	129	6553	0110	124	6629	0626	129
5648	0039	123	6348	0755	130	6554	0110	124	6630	1205	133
6147	0052	123	6349	0097	124	6555	0110	124	6631	1210	133
6148	0052	123	6352	0110	124	6556	0110	124	6633	1205	133
6157	0052	123	6355	0097	124	6557	0097	124	6634	1205	133
6164	0112	124	6356	0110	124	6558	0097	124	6635	1210	133
6164	1928	137	6360	0097	124	6559	0097	124	6636	0097	124
6179	0093	124	6361	0097	124	6564	0110	124	6637	0110	124
6180	0052	123	6363	0097	124	6565	0110	124	6638	0097	124
6181	0051	123	6370	0110	124	6566	0097	124	6639	0097	124
6185	0051	123	6371	0097	124	6567	0097	124	6650	0914	131
6188	0051	123	6372	0097	124	6568	0097	124	6662	1205	133
6191	0097	124	6373	0097	124	6569	0110	124	6664	1205	133
6197	0097	124	6374	0097	124	6571	1196	133	6666	1205	133
6198	0051	123	6378	0110	124	6572	0649	129	6671	0110	124
6202	0097	124	6381	0182	125	6572	1195	133	6672	0110	124
6203	0110	124	6387	0625	129	6574	0722	130	6681	0182	125
6204	0625	129	6388	0888	131	6575	1196	133	6682	0097	124
6204	0755	130	6391	0625	129	6576	0649	129	6683	0097	124
6208	0110	124	6391	0755	130	6576	1195	133	6684	0110	124
6209	0188	125	6407	0610	129	6578	0649	129	6686	0097	124
6213	0117	124	6410	0625	129	6578	1195	133	6687	0097	124
6219	0879	131	6410	0755	130	6579	0651	129	6688	0097	124
6220	0879	131	6415	0612	129	6581	0649	129	6707	0112	124
6224	0097	124	6416	0612	129	6581	1195	133	6707	1928	137
6225	0097	124	6418	0612	129	6582	0722	130	6730	0093	124
6227	0097	124	6424	0612	129	6583	1194	133	6731	0112	124
6229	0110	124	6467	0625	129	6584	0649	129	6731	1928	137
6230	0110	124	6467	0755	130	6584	1195	133	6733	0112	124
6231	0110	124	6473	0783	130	6586	1196	133	6733	1928	137
6232	0097	124	6474	0783	130	6587	0649	129	6737	0112	124
6233	0097	124	6483	0783	130	6587	1195	133	6737	1928	137

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
6740	0052	123	16539	0108	124	16687	0223	125	16829	1722	136
6760	0110	124	16550	0108	124	16689	0108	124	16831	0947	131
6762	0110	124	16557	0108	124	16708	0352	126	16831	1722	136
6781	0110	124	16558	0418	127	16708	0450	127	16832	0353	126
16194	0351	126	16560	0105	124	16711	0351	126	16833	0947	131
16203	0351	126	16560	0308	126	16715	0216	125	16833	1722	136
16210	0144	125	16560	0315	126	16720	0144	125	16834	0947	131
16215	0353	126	16560	0367	127	16722	0108	124	16834	1722	136
16221	0343	126	16563	0497	128	16728	0352	126	16837	0947	131
16222	0353	126	16563	0635	129	16735	0947	131	16837	1722	136
16224	0353	126	16565	0392	127	16735	1722	136	16843	0353	126
16230	0353	126	16567	0392	127	16736	0947	131	16858	0352	126
16238	0353	126	16571	0144	125	16736	1722	136	16859	0352	126
16245	0498	128	16578	0947	131	16737	0947	131	16874	0595	129
16246	0351	126	16578	1722	136	16737	1722	136	16877	0351	126
16248	0947	131	16579	0352	126	16739	9260	140	16878	0947	131
16248	1722	136	16579	0853	131	16742	0144	125	16878	1722	136
16248	9186	140	16586	0947	131	16742	0352	126	16880	0498	128
16251	0947	131	16586	1722	136	16759	0947	131	16883	0498	128
16251	1722	136	16586	9186	140	16759	1722	136	16892	0947	131
16261	0353	126	16588	0144	125	16760	0947	131	16892	1722	136
16270	0351	126	16588	0352	126	16760	1722	136	16895	0947	131
16299	0108	124	16593	0108	124	16760	9186	140	16895	1722	136
16320	0223	125	16600	0947	131	16761	0947	131	16900	0596	129
16334	0223	125	16600	1722	136	16761	1722	136	16905	9186	140
16336	0223	125	16600	9186	140	16761	9186	140	16906	0947	131
16344	0223	125	16603	0041	123	16766	0353	126	16906	1722	136
16353	0108	124	16604	0041	123	16771	0448	127	16906	9186	140
16356	0223	125	16606	0155	125	16773	0351	126	16911	0947	131
16362	0223	125	16608	0064	123	16781	0108	124	16911	1722	136
16365	0028	123	16608	0096	124	16786	0947	131	16913	0947	131
16367	0108	124	16608	0322	126	16786	1722	136	16913	1722	136
16369	0035	140	16608	0480	127	16790	0947	131	16922	0450	127
16401	0108	124	16612	0947	131	16790	1722	136	16933	0596	129
16412	0108	124	16612	1722	136	16791	0584	128	16938	0352	126
16417	0108	124	16619	0108	124	16793	0352	126	16938	0450	127
16417	0339	126	16621	0108	124	16794	0352	126	16939	0595	129
16418	0108	124	16627	0607	129	16794	0450	127	16940	0352	126
16442	0223	125	16629	0434	127	16795	0450	127	16940	0450	127
16443	0108	124	16635	0434	127	16802	0947	131	16941	0352	126
16462	0108	124	16643	0434	127	16802	1722	136	16941	0450	127
16500	0144	125	16644	0434	127	16818	0448	127	16966	0450	127
16500	0352	126	16651	9403	140	16821	0947	131	16971	0450	127
16514	0352	126	16655	0813	130	16821	1722	136	16990	9302	140
16514	0450	127	16658	9302	140	16823	0947	131	16998	0596	129
16519	0144	125	16660	0041	123	16823	1722	136	17002	0947	131
16520	0144	125	16660	0067	123	16825	0947	131	17002	1722	136
16522	0144	125	16660	0155	125	16825	1722	136	17003	0947	131
16522	0352	126	16664	0507	128	16826	0947	131	17003	1722	136
16522	0450	127	16670	0150	125	16826	1722	136	17027	0947	131
16524	0144	125	16670	0155	125	16827	0947	131	17027	1722	136
16527	0352	126	16674	0947	131	16827	1722	136	17027	9186	140
16531	0108	124	16674	1722	136	16828	0947	131	17028	9186	140
16534	0108	124	16683	0108	124	16828	1722	136	17031	0108	124
16538	0108	124	16684	0108	124	16829	0947	131	17037	0669	130

Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.	Lester	Nº ZEN	Pg.
17037	0670	130	17143	0947	131	17362	9459	140	17662	0450	127
17061	0108	124	17143	1722	136	17365	9186	140	18020	0117	124
17071	0150	125	17146	0595	129	17369	0434	127	18020	0776	130
17072	0150	125	17159	0366	127	17371	0813	130	18021	0117	124
17072	0155	125	17171	0947	131	17374	9186	140	18021	0776	130
17073	0105	124	17171	1722	136	17378	9186	140	18022	0188	125
17073	0308	126	17176	0596	129	17381	9260	140	18026	0366	127
17073	0315	126	17181	0450	127	17386	0434	127	18028	0392	127
17073	0367	127	17184	0105	124	17390	9302	140	18029	0105	124
17074	0105	124	17184	0308	126	17394	9302	140	18029	0308	126
17074	0225	125	17184	0315	126	17414	0223	125	18029	0315	126
17074	0308	126	17184	0367	127	17420	0947	131	18030	0105	124
17074	0315	126	17184	0648	129	17420	1722	136	18030	0308	126
17074	0367	127	17185	0595	129	17422	0947	131	18030	0315	126
17075	0312	126	17212	0450	127	17422	1722	136	18030	0648	129
17075	0366	127	17214	0595	129	17437	0758	130	18031	0310	126
17076	0105	124	17215	9302	140	17469	0596	129	18032	0105	124
17076	0308	126	17217	0595	129	17478	0595	129	18032	0308	126
17076	0315	126	17219	0561	128	17481	0947	131	18032	0315	126
17087	0376	127	17221	0595	129	17481	1722	136	18032	0367	127
17088	0539	128	17228	0105	124	17487	0947	131	18033	0105	124
17089	0376	127	17228	0308	126	17487	1722	136	18033	0308	126
17090	0376	127	17228	0315	126	17521	0947	131	18033	0315	126
17092	0648	129	17228	0367	127	17521	1722	136	18033	0648	129
17093	0310	126	17229	0378	127	17530	0947	131	18035	0814	130
17094	0087	140	17229	0392	127	17530	1722	136	18038	0188	125
17095	0635	129	17230	0105	124	17537	0947	131	18039	0035	140
17101	9186	140	17230	0308	126	17537	1722	136	18064	0376	127
17103	0434	127	17230	0315	126	17548	9302	140	18097	0144	125
17105	0312	126	17240	0947	131	17592	0595	129	18100	0894	131
17105	0366	127	17240	1722	136	17600	9302	140	18111	0105	124
17106	0105	124	17244	9426	140	17606	9186	140	18111	0308	126
17106	0308	126	17251	0947	131	17618	0948	131	18111	0315	126
17106	0315	126	17251	1722	136	17622	10048	141	18117	0087	140
17106	0367	127	17254	9186	140	17624	0948	131	18120	0447	127
17108	0035	140	17256	0947	131	17625	0948	131	18121	0366	127
17110	9426	140	17256	1722	136	17633	0948	131	18122	0118	124
17112	0225	125	17258	0392	127	17639	0155	125	18162	0584	128
17112	0366	127	17266	0595	129	17640	0155	125	18181	0947	131
17113	0367	127	17288	0450	127	17641	0067	123	18181	1722	136
17113	0378	127	17294	0539	128	17641	0155	125	18182	0947	131
17113	0392	127	17303	9260	140	17642	0134	125	18182	1722	136
17114	0447	127	17308	0784	130	17644	0155	125	18191	0894	131
17118	9186	140	17309	0497	128	17645	0155	125	18193	0850	131
17120	0434	127	17320	0367	127	17646	0096	124	18220	0087	140
17122	0108	124	17332	0427	127	17647	0096	124	18222	0087	140
17125	0947	131	17333	0943	131	17647	0480	127	18229	0105	124
17125	1722	136	17345	0947	131	17649	0150	125	18229	0308	126
17127	0367	127	17345	1722	136	17649	0155	125	18229	0315	126
17131	0595	129	17345	9186	140	17650	0150	125	18229	0367	127
17132	0596	129	17349	0434	127	17651	0150	125	18230	0929	131
17136	0105	124	17353	0434	127	17651	0155	125	18233	0638	129
17136	0308	126	17353	0948	131	17652	0150	125	18236	0378	127
17136	0315	126	17354	0353	126	17652	0155	125	18237	0105	124
17136	0367	127	17359	9403	140	17653	0155	125	18237	0308	126

Lester	Nº ZEN	Pg.
18237	0315	126
18237	0367	127
18250	0367	127
18253	0087	140
18254	0418	127
18259	0118	124
18259	0418	127
18264	0480	127
18272	0948	131
18928	0776	130
30011	0776	130
30019	0776	130
32949	0776	130
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TMB105	0067	123
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TMB115	0096	124
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TMB118	0485	128
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TMB125	0134	125
TMB130	0594	128
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54243848	0064	123
54244389	0041	123
54244938	0150	125
54246285	0150	125
54246340	0398	127
54246654	0150	125
54246661	0064	123
54246724	0322	126
54246725	0067	123
54246729	0507	128
54246738	0096	124
54246739	0398	127
54246741	0485	128
54246896	0096	124
54246989	0322	126
54247034	0155	125
54247036	0155	125
54247184	0398	127
54247187	0096	124
54247188	0064	123
54247393	0480	127
54247397	0134	125
54248606	0594	128
54256984	0322	126
54258190	0064	123
54259688	0067	123
54259800	0322	126
54268139	0480	127
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54268565	0557	128
54290585	0480	127
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223205	0150	125
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223231	0315	126
223236	0352	126
223237	0376	127
223250	0448	127
223252	0450	127
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223278	0610	129
223279	0612	129
223293	0748	130
223311	0366	127
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223313	0378	127
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223755	0584	128
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224078	0978	132
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35255870	0102	124
35256861	0102	124
35257814	0102	124
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35259278	1622	134
35259697	1726	136
35259873	1090	133
35259902	1636	134
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35258853	13585	143
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1877353	0051	123
1877353	0566	128
1877354	0051	123
1877355	0093	124
1892899	0052	123
1892899	0567	128
1893560	0097	124
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1894211	0110	124
1894212	0626	129
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1929402	0052	123
1930802	0052	123
1932031	0188	125
1932308	0566	128
1932526	0117	124
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1932603	0879	131
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1932890	0051	123
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1934488	0051	123
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1940134	0051	123
1940138	0051	123
1941119	0093	124
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1945487	0110	124
1945879	0626	129
1946174	0556	128
1946220	0052	123
1946945	0097	124
1946957	0097	124
1947912	0112	124
1947912	1928	137
1947920	0182	125
1948764	0188	125
1950058	0093	124
1950586	0182	125
1951180	0051	123
1951180	0566	128
1952083	0110	124
1952410	0052	123
1952410	0567	128
1952486	0051	123
1953151	0914	131
1953373	0110	124
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1960370	0110	124
1964127	0093	124
1964300	0188	125
1964302	0188	125
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1968355	0093	124
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1970527	0626	129
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54138	0112	124
54139	0566	128
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54149	0612	129
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54168	0958	132
54170	1013	132
54172	0188	125
54172	1204	133
54174	0958	132
54182	1112	133
54191	1190	133
54212	1224	133
54112D	0566	128
54113S	0093	124
541202	9074	140
541204	9028	140
54131D	0625	129
54131S	0755	130
54132D	0624	129
54132S	0858	131
541401	1811	136
541403	1679	135
541404	1809	136
548100	0448	127
548105	0376	127
548109	0351	126
548126	0539	128
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548202	0947	131
548203	0339	126
548207	0353	126
548220	0498	128
548222	0607	129
548227	1829	136
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548236	0813	130
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548242	0950	132
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548304	0352	126
548305	0144	125
548306	0450	127
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548314	0596	129
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548320	0669	130
548327	0758	130
548329	0853	131
548337	0943	131
548342	1592	134
548402	1195	133
548406	1194	133
548407	1196	133
548408	0721	130
548411	0722	130
548412	0894	131
548415	0850	131
549104	0312	126
549106	1971	138
549107	0101	124
549107	0316	126
549108	0105	124
549109	0378	127
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549112	0118	124
549112	0302	126
549113	0392	127
549114	0304	126
549115	0315	126
549117	0291	126
549120	0447	127
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549123	0367	127
549125	0028	123
549127	0223	125
549128	0497	128
549129	0108	124
549145	0638	129
549148	0225	125
549150	0635	129
549151	0418	127
549183	0784	130
549184	0661	130
549185	0318	126
549190	0814	130
549192	0929	131
549194	2018	139
549199	0970	132
549200	0155	125
549201	0064	123
549202	0096	124
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549218	0134	125
549219	0041	123
549221	0507	128
549314	1693	135
549413	0216	125
549448	2017	139
549500	1980	138
549510	1700	135
549900	0561	128
791170	13130	141
791172	13117	141
791177	13131	141
SP9011	1190	133
5482201	9186	140
5482202	9302	140
5482204	9260	140
5482210	9459	140
5482211	9403	140
5482223	10048	141
5482409	1828	136
5483211	9426	140
5483212	9495	140
5483221	9791	140
5483413	1046	132
5483415	0887	131
5491119	0970	132
5491126	0308	126
5491130	1038	132
5491154	1030	132
5491159	1157	133
5491173	0310	126
5491192	0088	140
5491200	0036	140
5491202	0078	140
5491203	0087	140
5491207	0035	140
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5491400	0133	124
7618119	1810	136
7911130	13118	141
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2244	1359	133
224002	0022	123
224004	0024	123
224004	1359	133
224011	0193	125
224016	0056	123
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224038	0024	123
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224043	0024	123
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224048	0348	126
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2244036	0024	123
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10120	0339	126
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10639	0625	129
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7007010010005	1944	137
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1336643	0434	127
8620794	0567	128
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5710919	0308	126
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0001107024	2018	139
0001107058	1065	132
0001108050	1065	132
0001109021	1631	134
0001109022	1631	134
0001109026	1030	132
0001109028	1065	132
0001109066	1631	134
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0001109355	1992	138
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0001109359	1992	138
0001109360	1992	138
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0001109460	1992	138
0001110018	1065	132
0001111010	2018	139
0001115038	2018	139
0001115042	2018	139
0001125016	1655	135
0001125017	1655	135
0001125018	1655	135
0001125019	1655	135
0001125046	1655	135
0001125047	1655	135
0001125048	1655	135
0001125049	1655	135
0001125605	1655	135
0001125606	1655	135
0001157024	0108	124
0001157025	0108	124
0001157028	0108	124
0001157029	0108	124
0001157030	0108	124
0001207003	0223	125
0001207006	0223	125
0001207012	0223	125
0001207014	0223	125
0001207015	0223	125
0001208004	0223	125
0001208006	0223	125
0001208007	0223	125
0001208032	0223	125
0001208200	0108	124
0001208201	0108	124
0001208202	0108	124
0001208206	0108	124
0001208208	0108	124
0001208209	0108	124
0001208211	0108	124
0001208216	0108	124
0001208217	0108	124
0001208224	0108	124
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0001208229	0108	124
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0001208400	0108	124
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0001209001	0223	125
0001209006	0223	125
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0001214001	0223	125
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0001218172	0929	131
0001218772	0929	131
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0001230001	1038	132
0001230002	1952	138
0001230006	1038	132
0001230007	1157	133
0001230009	1157	133
0001230010	1157	133
0001230012	1038	132
0001230013	1038	132
0001230023	1157	133
0001231002	1038	132
0001231003	1038	132
0001231005	1038	132
0001231010	1157	133
0001231011	1157	133
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0001260001	1878	137
0001310005	0223	125
0001310010	0223	125
0001310013	0223	125
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0001311050	0638	129
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0001311101	0108	124
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0001311112	0108	124
0001311114	0108	124
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0001311118	0108	124
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0001312108	1065	132
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0001314010	0638	129
0001314018	0108	124
0001354006	1076	132
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0001354012	1076	132
0001354016	0028	123
0001354021	1076	132
0001354025	1076	132
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0001354055	1076	132
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0001354068	1076	132
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0001354088	0318	126
0001354091	0318	126
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0001354099	0318	126
0001354100	0318	126
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0001355009	1076	132
0001355014	0318	126
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0001359002	0302	126	0001359091	0105	124	0001360038	1364	133	0001362075	0366	127
0001359003	0101	124	0001359091	1364	133	0001360039	0105	124	0001362076	0366	127
0001359004	0392	127	0001359097	0105	124	0001360039	1364	133	0001362091	0366	127
0001359006	0101	124	0001359097	1364	133	0001360040	0105	124	0001362092	0447	127
0001359006	0316	126	0001359099	0392	127	0001360040	1364	133	0001362095	0447	127
0001359007	0101	124	0001359100	0105	124	0001360041	0392	127	0001362096	0367	127
0001359008	0118	124	0001359100	1364	133	0001360042	0392	127	0001362097	0367	127
0001359008	0302	126	0001359101	0105	124	0001360043	0315	126	0001362102	0291	126
0001359009	0302	126	0001359101	1364	133	0001360046	0105	124	0001362105	1624	134
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0001359016	0304	126	0001359108	0392	127	0001360047	1364	133	0001362302	0418	127
0001359019	0101	124	0001359109	0661	130	0001360049	0105	124	0001362303	0378	127
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F000AL0135	1690	135
F000AL0154	1929	137
F000ALO700	0118	124
F002G20658	1937	137
F006AL0602	0497	128
F006ALO602	0497	128
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232632	0776	130
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A36583	0567	128
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A47466	0567	128
A57092	0567	128
A59671	0567	128
D32189	0567	128
G44881	0567	128
G44927	0567	128
91902C1	0434	127
A162469	0434	127
A181642	0970	132
A187597	0970	132
E010372	0308	126
104192A1	0567	128
114799A1	0970	132
P941519Q	0970	132
396587R91	0567	128
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88190	0567	128
4N0241	0434	127
4N4405	0930	131

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677750	0567	128
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9G6941	0434	127
3127539	1700	135
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15056	9074	140
15113	0110	124
15113	9074	140
2958166	0567	128
4091950	0495	128
4111855	0495	128
4145359	0495	128
4240449	0495	128
5206270	0339	126
5213085	0339	126
5213190	0339	126
5213370	0339	126
5213395	0339	126
40911920	0495	128
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335861	0567	128
391632	0567	128
636180	0567	128
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3042514	0567	128
3136105	0567	128
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87583927	1700	135
87751000	1698	135
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3283812	0970	132

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3604645RX	0555	128	280006340	1828	136	0280009031	1972	138	1280003514	1828	136
Daihatsu	Nº ZEN	Pg.	280006341	1828	136	0280009032	1972	138	1280004100	1828	136
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IS1154	2038	139	AZE4226	1700	135	AZF4143	1678	135	AZF4514	1979	138
IS1159	1980	138	AZE4227	1700	135	AZF4146	1980	138	AZF4515	1979	138
IS1165	1699	135	AZE4228	1709	135	AZF4147	1980	138	AZF4520	1678	135
IS1189	1700	135	AZE4239	2007	138	AZF4148	1980	138	AZF4524	1678	135
IS1252	2038	139	AZE4240	1699	135	AZF4154	1698	135	AZF4535	1980	138
IS1363	2049	139	AZE4241	2011	138	AZF4158	1678	135	AZF4538	1980	138
IS1386	2011	138	AZE4242	1699	135	AZF4159	1678	135	AZF4541	1678	135
IS1398	2013	139	AZE4247	1700	135	AZF4160	1678	135	AZF4542	1678	135
IS1434	2012	139	AZE4248	1700	135	AZF4164	1678	135	AZF4545	1980	138
IS1442	2007	138	AZE4254	2007	138	AZF4170	1678	135	AZF4550	1678	135
IS1457	2007	138	AZE4255	2013	139	AZF4183	1678	135	AZF4553	1678	135
AZE2155	2009	138	AZE4256	1699	135	AZF4184	1678	135	AZF4562	1678	135
AZE2156	2009	138	AZE4261	1709	135	AZF4185	1678	135	AZF4568	1678	135
AZE2178	2009	138	AZE4282	1699	135	AZF4187	1980	138	AZF4569	1678	135
AZE2193	2049	139	AZE4285	2007	138	AZF4190	1698	135	AZF4570	1678	135
AZE2194	1944	137	AZE4286	2007	138	AZF4196	1678	135	AZF4577	1980	138
AZE4122	1701	135	AZE4290	1699	135	AZF4204	1678	135	AZF4591	1980	138
AZE4123	1700	135	AZE4309	2013	139	AZF4205	1678	135	AZF4592	1980	138
AZE4125	1700	135	AZE4310	2013	139	AZF4206	1678	135	AZF4595	1678	135
AZE4128	1700	135	AZE4540	1701	135	AZF4207	1980	138	AZF4597	1678	135
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AZE4148	1699	135	AZE4573	1700	135	AZF4214	1678	135	AZF4627	1994	138
AZE4150	1700	135	AZE4579	1700	135	AZF4220	1979	138	AZF4646	1994	138
AZE4151	1700	135	AZE4597	1701	135	AZF4228	1678	135	AZF4683	1994	138
AZE4156	1700	135	AZE4603	1754	136	AZF4229	1979	138	AZF4687	1994	138
AZE4159	1700	135	AZE4620	1754	136	AZF4242	1678	135	AZF4691	1994	138
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AZE4170	1700	135	AZE4654	1754	136	AZF4247	1678	135	AZF4889	1994	138
AZE4171	1701	135	AZE4655	1754	136	AZF4248	1678	135	AZJ3118	1073	132
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AZE4173	1700	135	AZE6510	2038	139	AZF4254	1678	135	AZJ3144	1616	134
AZE4182	2007	138	AZE6524	2038	139	AZF4258	1678	135	AZJ3148	1616	134
AZE4184	2007	138	AZE6537	1898	137	AZF4260	1678	135	AZJ3151	1616	134
AZE4185	1709	135	AZE6544	2038	139	AZF4266	1678	135	AZJ3155	2021	139
AZE4190	1700	135	AZE6551	2038	139	AZF4270	1678	135	AZJ3156	2021	139
AZE4192	1700	135	AZE6554	1898	137	AZF4283	1678	135	AZJ3160	2027	139
AZE4194	1700	135	AZE6556	1898	137	AZF4286	1979	138	AZJ3166	2021	139
AZE4195	1700	135	AZE6563	1898	137	AZF4287	1678	135	AZJ3169	2021	139
AZE4197	1700	135	AZE6567	1898	137	AZF4288	1678	135	AZJ3170	2021	139
AZE4199	1700	135	AZE6589	1898	137	AZF4291	1678	135	AZJ3179	2021	139
AZE4201	1700	135	AZF4102	1678	135	AZF4302	1751	136	AZJ3182	1616	134
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AZE4207	1700	135	AZF4115	1678	135	AZF4309	1751	136	AZJ3195	2021	139
AZE4208	1700	135	AZF4116	1678	135	AZF4310	1751	136	AZJ3198	1616	134
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AZE4211	1699	135	AZF4121	2012	139	AZF4313	1751	136	AZJ3203	1616	134
AZE4213	1699	135	AZF4122	1678	135	AZF4314	1751	136	AZJ3205	1616	134
AZE4214	1700	135	AZF4129	1678	135	AZF4329	1979	138	AZJ3206	1616	134
AZE4215	1700	135	AZF4130	1980	138	AZF4339	1751	136	AZJ3211	2021	139
AZE4221	1700	135	AZF4131	1678	135	AZF4362	2012	139	AZJ3212	1616	134
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AZJ3482	2021	139	11130686	1951	137	11131260	1994	138	11131659	1700	135
AZJ3486	2027	139	11130692	1600	134	11131265	2009	138	11131663	1898	137
AZJ3538	2021	139	11130692	1951	137	11131267	2009	138	11131696	1700	135
AZJ3542	2021	139	11130705	1951	137	11131279	1700	135	11131705	1678	135
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11130005	0035	140	11130728	1979	138	11131356	1980	138	11131723	1980	138
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11130158	0036	140	11130841	1979	138	11131411	1994	138	11131761	1709	135
11130179	1951	137	11130842	1979	138	11131419	2009	138	11131763	1678	135
11130200	1060	132	11130861	1951	137	11131424	1700	135	11131772	1754	136
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MS241	2009	138
MS248	2012	139
MS267	1616	134
MS268	1616	134
MS273	1616	134
MS274	2021	139
MS277	2021	139
MS279	2021	139
MS291	1980	138
MS294	1980	138
MS295	1980	138
MS307	1616	134
MS308	2021	139
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MS311	2027	139
MS321	2027	139
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MS346	1616	134
MS347	1616	134
MS351	2021	139
MS353	2021	139
MS357	1616	134
MS364	2021	139
MS368	1616	134
MS374	1616	134
MS385	1616	134
MS388	2021	139
MS389	2021	139
MS391	2021	139
MS394	1699	135
MS402	1980	138
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MS641	1699	135
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MS658	1699	135
MS677	1980	138
MS725	2007	138
MS726	2007	138
MS812	2027	139

Mahle	Nº ZEN	Pg.
MS882	1994	138
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Massey Ferguson	Nº ZEN	Pg.
114939701	0308	126
114939702	0308	126
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F601	0352	126
22218400	0144	125
32418400	0144	125
77918400	0352	126
022218400A	0144	125
032418400A	0144	125
032418400B	0352	126
042618400A	0144	125
042618400B	0144	125
478010400	0450	127
478018400	0450	127
077918400A	0352	126
813118400	0352	126
821818400	0352	126
893618400	0352	126
893718400	0352	126
896418400	0352	126
896718400	0352	126
AM1518400	0595	129
B30318400	0450	127
B35918400	0450	127
B50518400	0450	127
B59318400	0450	127
B61P18400	0450	127
B63018400	0450	127
B67618400	0450	127
D50118400	0352	126
D50218400	0352	126
D50518400	0352	126
D53018400	0450	127
E22E18400	0596	129
E30118400	0352	126
E35618400	0450	127
E35718400	0450	127
F21418400	0596	129
F24018400	0450	127
F2D418400	0596	129
F60118400	0352	126
F80218400	0352	126
F80618400	0352	126
F85018400	0352	126
F8B18400A	0450	127
FE0518400	0352	126
FE1H18400	0596	129
FE5018400	0352	126
FE7918400	0352	126
H83318400	0352	126
HE1918400	0352	126
HE2018400	0352	126

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478018400A	0450	127
489418400B	0144	125
489418400C	0144	125
489418400D	0144	125
808818400A	0352	126
813118400A	0352	126
B30318400A	0450	127
B31518400A	0450	127
B31518400B	0450	127
B61R18400A	0450	127
B63018400A	0450	127
B67618400A	0450	127
B67618400B	0450	127
B6S818400A	0450	127
D30618400A	0352	126
D306A8400B	0352	126
D50118400A	0352	126
D50218400A	0352	126
D50518400A	0352	126
D50518400B	0450	127
E30118400A	0352	126
E35618400A	0352	126
E35618400B	0450	127
F21418400A	0596	129
F21418400B	0596	129
F21418400C	0596	129
F24018400B	0450	127
F2D418400A	0596	129
F60118400A	0352	126
F60118400B	0352	126
F80218400A	0352	126
F80218400B	0352	126
F85018400A	0352	126
F85018400B	0352	126
F85018400E	0450	127
F8B118400A	0450	127
F8B118400B	0450	127
F8B118400C	0450	127
FE0518400B	0352	126
FE0518400C	0352	126
FE0518400C	0450	127
FE1J18400A	0450	127
FE5018400A	0352	126
FE5018400B	0352	126
FE5018400E	0450	127
FE5A18400A	0450	127
HE1918400A	0352	126
HE1918400B	0352	126
HE2018400A	0352	126
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A0051512201	0985	132
A0051517601	0985	132
A0051518301	1112	133
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MQJR	0144	125	M0T77681	0595	129	M2T30481	0584	128	M3T10572	0144	125
79581	0595	129	M0T85681	0595	129	M2T30581	0450	127	M3T10672	0144	125
ME031	0144	125	M1M70685	0595	129	M2T30583	0450	127	M3T11172	0144	125
ME041	0144	125	M1M70981	0596	129	M2T32281	0450	127	M3T11173	0144	125
MQJ1R	0144	125	M1M71281	0596	129	M2T40081	0450	127	M3T11174	0144	125
MQJ2R	0144	125	M1M71481	0596	129	M2T42381	0584	128	M3T11272	0144	125
MQJ6R	0144	125	M1M72086	0595	129	M2T42881	0450	127	M3T11372	0144	125
232415	1046	132	M1M72181	0596	129	M2T44081	0450	127	M3T11373	0144	125
232415	12812	141	M1M72182	0596	129	M2T48081	0450	127	M3T11772	0144	125
M2T322	0450	127	M1Q71281	0596	129	M2T49881	0450	127	M3T12372	0144	125
M3T244	0450	127	M1T60081	1592	134	M2T52881	9426	140	M3T12572	0144	125
MCA020	0144	125	M1T60181	1592	134	M2T53083	0595	129	M3T12672	0144	125
ME10WR	0144	125	M1T60381	0758	130	M2T54571	9791	140	M3T13071	0144	125
MEA010	0144	125	M1T60581	1592	134	M2T54572	9791	140	M3T13072	0144	125
MEA011	0144	125	M1T70481	0595	129	M2T55271	1046	132	M3T15072	0144	125
MEA030	0144	125	M1T70482	0595	129	M2T55271	12812	141	M3T15073	0144	125
MEA031	0144	125	M1T70483	0595	129	M2T56181	12812	141	M3T15074	0144	125
MEA040	0144	125	M1T70485	0595	129	M2T56182	12812	141	M3T15075	0144	125
MEA041	0144	125	M1T70681	0595	129	M2T56185	12812	141	M3T15171	0144	125
MEA061	0144	125	M1T70685	0595	129	M2T56271	12812	141	M3T15271	0144	125
MEA071	0144	125	M1T70686	0595	129	M2T56471	1046	132	M3T15372	0144	125
MEA121	0144	125	M1T70687	0595	129	M2T56471	12812	141	M3T15675	0144	125
MEC012	0144	125	M1T70981	0596	129	M2T56472	1046	132	M3T15772	0144	125
MED030	0144	125	M1T70985	0596	129	M2T57771	12812	141	M3T15872	0144	125
MED031	0144	125	M1T71081	0596	129	M2T57881	1046	132	M3T15972	0144	125
MED032	0144	125	M1T71281	0596	129	M2T58081	9495	140	M3T19171	0144	125
MED034	0144	125	M1T71381	0595	129	M2T58381	9495	140	M3T19271	0144	125
MED041	0144	125	M1T71382	0595	129	M2T58481	9495	140	M3T19471	0144	125
MED042	0144	125	M1T71481	0596	129	M2T61771	1046	132	M3T20081	0352	126
MED074	0144	125	M1T71581	0595	129	M2T62971	12812	141	M3T20181	0352	126
MEO107	0427	127	M1T71681	0595	129	M2T65271	1046	132	M3T20381	0352	126
MGA060	0352	126	M1T71881	0596	129	M2T65271	12812	141	M3T20681	0352	126
1368852	0450	127	M1T72081	0595	129	M2T65272	1046	132	M3T20781	0352	126
M3T2581	0352	126	M1T72085	0595	129	M2T67881	1046	132	M3T21281	0352	126
M3T3381	0352	126	M1T72086	0595	129	M2T67882	1046	132	M3T21281	0450	127
MD21674	0352	126	M1T72088	0595	129	M2T67883	1046	132	M3T21282	0352	126
MD81567	0450	127	M1T72181	0596	129	M2T69081	1046	132	M3T21381	0352	126
ME10AZR	0144	125	M1T72182	0596	129	M2T72871	1046	132	M3T21381	0450	127
ME12AZR	0144	125	M1T72581	0595	129	M2T74171	12812	141	M3T21781	0450	127
MT36100	0595	129	M1T72583	0595	129	M2T74371	1046	132	M3T21882	0450	127
M0T65381	1592	134	M1T73281	0595	129	M2T78381	1046	132	M3T22081	0352	126
M0T65581	1592	134	M1T73283	0595	129	M2T78481	1046	132	M3T22381	0352	126
M0T70281	0595	129	M1T73381	0595	129	M2T78482	1046	132	M3T22581	0352	126
M0T70381	0595	129	M1T73383	0595	129	M2T80772	0887	131	M3T22581	0450	127
M0T70481	0595	129	M1T74881	0595	129	M3M32722	0450	127	M3T22582	0352	126
M0T70681	0595	129	M2T10171	0144	125	M3M32782	0450	127	M3T22681	0352	126
M0T70781	0595	129	M2T10271	0144	125	M3Q38882	0450	127	M3T22781	0352	126
M0T70981	0595	129	M2T10282	0352	126	M3T10071	0144	125	M3T24481	0352	126
M0T71181	0595	129	M2T15772	0144	125	M3T10072	0144	125	M3T24482	0352	126
M0T71381	0595	129	M2T20181	0352	126	M3T10171	0144	125	M3T24482	0450	127
M0T71581	0595	129	M2T20181	0853	131	M3T10172	0352	126	M3T24483	0352	126
M0T71681	0595	129	M2T20182	0352	126	M3T10271	0144	125	M3T24485	0352	126
M0T72581	0595	129	M2T20223	0352	126	M3T10272	0144	125	M3T24486	0352	126
M0T73281	0595	129	M2T20281	0352	126	M3T10371	0144	125	M3T24487	0352	126
M0T73381	0595	129	M2T20282	0352	126	M3T10372	0144	125	M3T24488	0352	126

Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.	Mitsubishi	Nº ZEN	Pg.
M3T25081	0352	126	M3T35081	0352	126	M4T14673	0144	125	MD016729	0450	127
M3T25281	0352	126	M3T35082	0352	126	M4T14674	0144	125	MD016851	0450	127
M3T25781	0352	126	M3T35088	0352	126	M4T14771	0144	125	MD016863	0450	127
M3T25782	0352	126	M3T3586D	0450	127	M4T14872	0144	125	MD019891	0352	126
M3T25783	0352	126	M3T38082	0450	127	M4T41672	0144	125	MD019895	0352	126
M3T25785	0352	126	M3T38181	0450	127	M8t50071	0887	131	MD021665	0144	125
M3T25882	0352	126	M3T38381	0450	127	M8T50171	0887	131	MD021666	0144	125
M3T25883	0352	126	M3T38481	0450	127	M8T50271	0887	131	MD021670	0144	125
M3T25885	0352	126	M3T38581	0450	127	M8T50471	0887	131	MD021672	0144	125
M3T25885	0450	127	M3T38682	0450	127	M8T55171	0887	131	MD021674	0352	126
M3T25891	0352	126	M3T38881	0450	127	M8T55471	0887	131	MD021676	0144	125
M3T27686	0352	126	M3T38882	0450	127	M8T60073	0887	131	MD021679	0144	125
M3T27786	0450	127	M3T38883	0450	127	M8T60371	0887	131	MD021686	0144	125
M3T29482	0450	127	M3T38884	0450	127	M8T60372	0887	131	MD027400	0352	126
M3T29681	0352	126	M3T38885	0450	127	M8T60373	0887	131	MD027401	0352	126
M3T30081	0352	126	M3T38981	0450	127	M8T60374	0887	131	MD034120	0352	126
M3T30082	0352	126	M3T38982	0450	127	M8T60389	0887	131	MD034121	0352	126
M3T30088	0352	126	M3T39182	0352	126	M8T60471	0887	131	MD066761	0450	127
M3T30281	0352	126	M3T39385	0450	127	M8T60489	0887	131	MD069166	12812	141
M3T30282	0352	126	M3T39481	0450	127	M8T60571	0887	131	MD070934	12812	141
M3T30285	0352	126	M3T39523	0450	127	M8T60771	0887	131	MD081567	0450	127
M3T30286	0352	126	M3T39981	0450	127	M8T60773	0887	131	MD081568	0450	127
M3T30381	0352	126	M3T41081	0450	127	M8T60871	0887	131	MD084414	12812	141
M3T30382	0352	126	M3T41083	0450	127	M8T70371	0887	131	MD085730	0352	126
M3T30581	0450	127	M3T41088	0450	127	M8T70971	0887	131	MD099667	0595	129
M3T30583	0450	127	M3T41181	0450	127	M8T71571	0887	131	MD100431	0450	127
M3T30681	0450	127	M3T41185	0450	127	M8T75171	0887	131	MD101219	0450	127
M3T30781	0352	126	M3T41186	0450	127	M8T77071	0887	131	MD107614	0450	127
M3T30782	0352	126	M3T41282	0450	127	M8T77072	0887	131	MD107615	0450	127
M3T30881	0450	127	M3T41285	0450	127	M8T77074	0887	131	MD112625	0595	129
M3T30981	0450	127	M3T41681	0450	127	M8T77075	0887	131	MD136933	0595	129
M3T32382	0352	126	M3T42781	0450	127	M8T80071	0887	131	MD161437	0450	127
M3T32581	0352	126	M3T42881	0450	127	M8T80171	0887	131	MD162836	0450	127
M3T32582	0352	126	M3T43381	0450	127	M8T80371	0887	131	MD162837	0450	127
M3T32583	0352	126	M3T43481	0450	127	M8T80372	0887	131	MD162838	0450	127
M3T32588	0450	127	M3T43581	0450	127	M8T80373	0887	131	MD162839	0595	129
M3T32589	0450	127	M3T48181	0450	127	M8T80374	0887	131	MD162840	0595	129
M3T32591	0450	127	M3T49381	0450	127	M8T80772	0887	131	MD162842	0595	129
M3T32592	0450	127	M3T49581	0450	127	M8T80789	0887	131	MD162843	0595	129
M3T32593	0450	127	M3T49585	0450	127	M8T85071	0887	131	MD163188	0595	129
M3T32681	0352	126	M3T49781	0450	127	M8T85171	0887	131	MD164866	0450	127
M3T32781	0352	126	M3T57575	0887	131	M8T85271	0887	131	MD164975	12812	141
M3T32782	0352	126	M3T67771	9791	140	M8T85471	0887	131	MD164976	12812	141
M3T33182	0450	127	M3T70081	0450	127	M8T85571	0887	131	MD170049	0595	129
M3T33281	0450	127	M3T90011	0670	130	M8T87071	0887	131	MD172860	0595	129
M3T33282	0450	127	M3T90071	0670	130	M8T87171	0887	131	MD172861	0595	129
M3T33381	0352	126	M3T90072	0669	130	MD001333	0352	126	MD172863	0595	129
M3T33382	0352	126	M3T90072	0670	130	MD001550	0144	125	MD172864	0595	129
M3T33581	0352	126	M3V38881	0450	127	MD001552	0144	125	MD174482	0595	129
M3T33582	0352	126	M3V38882	0450	127	MD001553	0144	125	MD174483	0595	129
M3T33583	0352	126	M3Y24482	0450	127	MD001555	0352	126	MD180238	0450	127
M3T33585	0352	126	M4T14674	0144	125	MD003550	0144	125	MD180239	0450	127
M3T33586	0352	126	M4T14372	0144	125	MD003551	0144	125	MD180937	0595	129
M3T33587	0352	126	M4T14572	0144	125	MD011550	0144	125	MD182488	0595	129
M3T33588	0352	126	M4T14672	0144	125	MD011553	0144	125	MD184420	1885	137

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MD188720	0595	129	M3T32782D	0450	127	1280005630	1957	138	280004342	9186	140
MD188721	0595	129	M3T335081	0352	126	1280005691	1957	138	280004343	0947	131
MD189054	0450	127	M3T335820	0352	126	1280006990	1957	138	280004343	1722	136
MD192222	0450	127	M3T33582A	0352	126	1280007471	1957	138	280004343	9186	140
MD192228	0450	127	M3T33586A	0352	126	2280000211	1957	138	280004450	0947	131
MD318086	0596	129	M3T388682	0450	127	2280000990	0818	130	280004450	1722	136
ME012994	0887	131	M3T38881A	0450	127	2280000991	0818	130	280004450	9186	140
ME012995	0887	131	M3T38881B	0450	127	2280001060	0818	130	280004510	9186	140
ME013008	0887	131	M3T38881C	0450	127	2280001530	0818	130	280004512	9186	140
ME014418	0887	131	M3T38882A	0450	127	2280001531	0818	130	280004540	9186	140
MED10AZR	0144	125	M3T38882B	0450	127	2280004570	0818	130	280004550	9186	140
MM111514	0352	126	M3T38882C	0450	127	2280006482	0818	130	280004900	9186	140
MM115513	0352	126	M8T80071A	0887	131	2280007800	0818	130	280004930	0607	129
MM115514	0352	126	M8T80071B	0887	131	2280007801	0818	130	280004940	9186	140
MM115517	0352	126	M8T85071A	0887	131	Nippondenso			280004951	9186	140
MM115518	9426	140	M8T85071B	0887	131	128000533	0948	131	280005000	9403	140
901286806	0450	127	M8T85171A	0887	131	128000597	0948	131	280005040	0434	127
M1T70685A	0595	129	M8T85271B	0887	131	128000721	9186	140	280005060	9260	140
M1T70981A	0596	129	MD 100431	0450	127	128000723	0948	131	280005090	0339	126
M1T71281A	0596	129	MD0019891	0352	126	128000830	9260	140	280005091	0339	126
M1T71281B	0596	129	M000T65381	1592	134	128005080	9186	140	280005092	0339	126
M1T71481A	0596	129	M000T65581	1592	134	128007210	9186	140	280005100	9186	140
M1T72086A	0595	129	M000T85681	0595	129	228000136	0948	131	280005820	9186	140
M1T72181A	0596	129	M000T92581	0595	129	228000138	0948	131	280005821	9186	140
M1T72182A	0596	129	M0T85681ZC	0595	129	228000139	0948	131	280005822	9186	140
M1T723281	0595	129	M3T4010081	0450	127	228000140	0948	131	280005880	9302	140
M2T20181A	0352	126	MD 318086	0596	129	280001661	9186	140	280005900	0947	131
M2T20181D	0853	131	Mitsui Deutz			280002911	9186	140	280005900	1722	136
M3MT30583	0450	127	4413040	0894	131	280003290	0434	127	280005900	9186	140
M3T016851	0450	127	4413390	0894	131	280003292	0434	127	280005910	9186	140
M3T016863	0450	127	MWM			280003610	0343	126	280005912	0947	131
M3T066761	0450	127	905720100093	13584	143	280003611	0343	126	280005912	1722	136
M3T110172	0352	126	New Holland			280003650	0434	127	280005912	9186	140
M3T11173Q	0144	125	K0H2409801	1885	137	280003690	0434	127	280005920	0434	127
M3T14482J	0450	127	Nippon			280003930	0434	127	280005960	0434	127
M3T162838	0450	127	0280006261	1957	138	280003970	0434	127	280006000	9186	140
M3T164866	0450	127	0280007740	1957	138	280003971	0434	127	280006001	0947	131
M3T189054	0450	127	0280008432	1957	138	280004010	1722	136	280006001	1722	136
M3T20681A	0352	126	0280008740	1957	138	280004020	9186	140	280006001	9186	140
M3T21281D	0450	127	0280009031	1957	138	280004021	9186	140	280006030	9186	140
M3T21381D	0450	127	0280009032	1957	138	280004044	9186	140	280006040	9186	140
M3T21781D	0450	127	1280000120	1957	138	280004240	9186	140	280006120	0947	131
M3T21882D	0450	127	1280000130	1957	138	280004241	9186	140	280006120	1722	136
M3T24482A	0352	126	1280000180	1957	138	280004242	9186	140	280006140	9186	140
M3T24482H	0450	127	1280000181	1957	138	280004243	9186	140	280006332	0947	131
M3T24482K	0450	127	1280000280	1957	138	280004250	9186	140	280006332	1722	136
M3T24486A	0352	126	1280000300	1957	138	280004251	9186	140	280006360	9186	140
M3T24486H	0450	127	1280000940	1957	138	280004252	9186	140	280006361	9186	140
M3T25252H	0450	127	1280000950	1957	138	280004253	9186	140	280006362	0947	131
M3T25282H	0450	127	1280001900	1957	138	280004320	9186	140	280006362	1722	136
M3T25285A	0450	127	1280002131	1957	138	280004321	9186	140	280006362	9186	140
M3T25885A	0450	127	1280002140	1957	138	280004322	9186	140	280006440	9260	140
M3T27686D	0450	127	1280002190	1957	138	280004323	9186	140	280006450	0947	131
M3T29482D	0450	127	1280004570	1957	138	280004340	9186	140	280006450	1722	136
M3T302589	0450	127	1280005080	1957	138	280004341	9186	140	280006620	9186	140

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280006711	9186	140	280008850	0947	131	1280001250	9186	140	1280005261	1722	136
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280007190	9186	140	280009260	0947	131	1280001440	0947	131	1280005580	9186	140
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280007321	9186	140	280009321	9186	140	1280001520	0947	131	1280005700	1722	136
280007380	9186	140	280009340	9186	140	1280001520	1722	136	1280005700	9186	140
280007390	9186	140	280009380	0947	131	1280001630	0947	131	1280005780	0947	131
280007391	9186	140	280009380	1722	136	1280001630	1722	136	1280005780	1722	136
280007392	0947	131	280009380	9186	140	1280001900	9186	140	1280005780	9186	140
280007392	1722	136	280009711	0947	131	1280002000	0434	127	1280005781	0947	131
280007392	9186	140	280009711	1722	136	1280002040	9186	140	1280005781	1722	136
280007430	0434	127	280009720	0947	131	1280002060	0947	131	1280005840	0947	131
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280007560	0947	131	280009860	0947	131	1280002180	9186	140	1280007090	0947	131
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280008220	9186	140	1280000590	9186	140	1280004390	9260	140	1280008500	9186	140
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280008320	0947	131	1280000830	9260	140	1280004671	0498	128	1280009300	0818	130
280008320	1722	136	1280000831	9260	140	1280004910	9302	140	1280009310	0818	130
280008380	9186	140	1280000960	9260	140	1280005080	9186	140	1280009360	0950	132

Nippondenso	Nº ZEN	Pg.	Nissan	Nº ZEN	Pg.	Nissan	Nº ZEN	Pg.	Nissan	Nº ZEN	Pg.
1280009380	0818	130	233000712	0352	126	2330084A17	0595	129	23300U6005	0351	126
1280009500	9302	140	233003470	0448	127	2330090062	0448	127	23300V0600	0448	127
1280009520	0818	130	233003705	0448	127	2330090217	0448	127	23300V0601	0448	127
1280009700	0818	130	23300G700	0448	127	23300A3210	0448	127	23300V0602	0448	127
1280009950	9186	140	23300Z700	0448	127	23300B5013	0352	126	23300V0603	0448	127
2280000311	0947	131	2330000H10	0450	127	23300D0212	0352	126	23300V0605	0448	127
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2280000340	0818	130	2330001Y10	0596	129	23300D0511	0596	129	23300W0401	0351	126
2280000580	0947	131	2330005H11	0450	127	23300D0513	0596	129	23300W0413	0450	127
2280000580	1722	136	2330006J00	2015	139	23300E6800	0351	126	23300W0417	0450	127
2280000620	9302	140	2330006J03	2015	139	23300E6801	0351	126	23300W3101	0448	127
2280000960	0947	131	2330008U10	0595	129	23300F4U10	1592	134	23300Y0700	0351	126
2280000960	1722	136	2330015815	0448	127	23300FU410	1592	134	23300Y0701	0351	126
2280001100	0947	131	2330018C05	0351	126	23300G7000	0448	127	23300Y0715	0450	127
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2280001110	1722	136	2330020P11	0595	129	23300G7003	0448	127	23300Y1405	0448	127
2280001160	0818	130	2330020R11	0596	129	23300G7004	0448	127	23300Z7000	0448	127
2280001710	0947	131	2330020R91	0596	129	23300G7005	0448	127	23300Z7001	0448	127
2280001710	1722	136	2330022P70	0595	129	23300G7006	0448	127	23300Z7005	0448	127
2280002020	0947	131	2330022P71	0595	129	23300G7007	0448	127	23300375088	0448	127
2280002020	1722	136	2330030F10	0596	129	23300GS20A	1592	134	23300V06001	0448	127
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2280002121	1722	136	2330031W00	0448	127	23300H5013	0352	126	384777	1656	135
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2280002760	0947	131	2330042L11	0450	127	23300S0100	0351	126	19911052	0427	127
2280002760	1722	136	2330042L13	0450	127	23300T3400	0448	127	191168202	0943	131
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2280002851	0947	131	2330044R10	0596	129	23300T5070	0450	127	191176002	0943	131
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2280003200	0947	131	2330050Y12	0595	129	23300U0100	0351	126	191194903	0943	131
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2280003290	0947	131	2330057M75	0595	129	23300U0102	0351	126	191194906	0943	131
2280003290	1722	136	2330057M90	0595	129	23300U0113	0352	126	191194909	0943	131
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2280004330	0947	131	2330069690	0351	126	23300U0602	0351	126	Pal	Nº ZEN	Pg.
2280004330	1722	136	2330069960	0351	126	23300U6001	0351	126	2928	0902	131
2280007390	0818	130	2330077A11	0595	129	23300U6002	0351	126	976117	0902	131
2280007391	0818	130	2330078511	0144	125	23300U6003	0351	126	Paris Rhone	Nº ZEN	Pg.
2280007392	0818	130	2330079601	0448	127	23300U6004	0351	126	D11E79	0217	125

Paris Rhone	Nº ZEN	Pg.	Prestolite	Nº ZEN	Pg.	Prestolite	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.
D11E105	0217	125	35259130	13585	143	35260940	1622	134	323852	0624	129
D11E109	0217	125	35259170	12682	143	35260950	13584	143	323852	0858	131
D11E110	0217	125	35259200	2003	138	35260950	1622	134	323868	0625	129
D11E115	0217	125	35259210	13585	143	35261020	12675	143	323868	0755	130
D11E142	0217	125	35259290	2003	138	35261020	13585	143	323869	0625	129
D11E143	0217	125	35259300	13584	143	35261070	13584	143	323869	0755	130
D11E156	0216	125	35259300	13585	143	35261070	1622	134	323879	0625	129
D13E117TE	0117	124	35259310	12675	143	35261110	2003	138	323879	0755	130
D13E119TE	0117	124	35259310	13585	143	35261120	13584	143	323880	0625	129
D13E120TE	0117	124	35259330	13584	143	35261155	13584	143	323880	0755	130
D13E121TE	0117	124	35259380	13585	143	35261175	12675	143	4N4405	0930	131
D13E122TE	0117	124	35259390	13584	143	35261175	13585	143	1103809	0188	125
D13E123TE	0117	124	35259430	13584	143	35261190	13584	143	1107117	0039	123
Pegaso	Nº ZEN	Pg.	35259465	13585	143	35261345	1837	137	1107146	0039	123
6100S	0087	140	35259480	13585	143	35261355	13584	143	1107203	0052	123
Perkins	Nº ZEN	Pg.	35259550	2003	138	35261360	13584	143	1107214	0093	124
2873K404	1693	135	35259580	13584	143	35261420	13584	143	1107234	0052	123
2873K405	1693	135	35259580	13585	143	35261425	13584	143	1107234	0093	124
P30DC03A	2009	138	35259590	13584	143	35261760	13584	143	1107245	0052	123
U5MK8260	2009	138	35259590	13585	143	35262580	13584	143	1107249	0093	124
185086600	2009	138	35259600	13584	143	MES6301K	0117	124	1107251	0051	123
U85086770	2009	138	35259600	13585	143	M93R3001SE	1881	137	1107268	0093	124
Prestolite	Nº ZEN	Pg.	35259620	13584	143	M93R3013SE	1881	137	1107280	0052	123
462361	0930	131	35259620	13585	143	MES6403JUT	0879	131	1107290	0093	124
MFJ6501	0930	131	35259630	13584	143	Remy	Nº ZEN	Pg.	1107291	0093	124
20513016	2009	138	35259630	13585	143	2058	0783	130	1107308	0052	123
20513040	1972	138	35259640	13585	143	728K	0039	123	1107332	0052	123
35258040	13585	143	35259650	13584	143	323818	0625	129	1107343	0051	123
35258490	12682	143	35259650	13585	143	323818	0755	130	1107344	0051	123
35258540	12682	143	35259660	13584	143	323834	0625	129	1107356	0052	123
35258540	13585	143	35259660	13585	143	323834	0755	130	1107364	0052	123
35258580	12682	143	35259670	13584	143	323835	0625	129	1107377	0052	123
35258580	13585	143	35259670	13585	143	323835	0755	130	1107378	0052	123
35258620	13584	143	35259680	13585	143	323836	0625	129	1107379	0052	123
35258660	12682	143	35259690	13584	143	323836	0755	130	1107382	0093	124
35258660	13585	143	35259690	13585	143	323837	0625	129	1107393	0052	123
35258690	12682	143	35259710	12675	143	323837	0755	130	1107501	0052	123
35258690	13585	143	35259710	13585	143	323839	0625	129	1107503	0093	124
35258710	12682	143	35259720	12675	143	323839	0755	130	1107504	0051	123
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35258820	12682	143	35259750	13584	143	323840	0755	130	1107511	0093	124
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35258880	12682	143	35259870	13585	143	323841	0858	131	1107513	0039	123
35258880	13585	143	35259880	13584	143	323842	0624	129	1107515	0093	124
35258940	12682	143	35259900	13584	143	323842	0858	131	1107516	0052	123
35258940	13585	143	35259915	13585	143	323843	0624	129	1107523	0052	123
35258950	12682	143	35259952	13585	143	323843	0858	131	1107527	0051	123
35258950	13585	143	35260828	13585	143	323844	0624	129	1107533	0093	124
35258960	12682	143	35260850	2003	138	323844	0858	131	1107534	0051	123
35258960	13585	143	35260860	2003	138	323847	0624	129	1107537	0039	123
35258990	13585	143	35260890	1621	134	323847	0858	131	1107538	0051	123
35259000	13585	143	35260900	1837	137	323849	0625	129	1107539	0093	124
35259040	12682	143	35260910	1837	137	323849	0755	130	1107540	0093	124
35259040	13585	143	35260940	13584	143	323850	0624	129	1107546	0052	123
35259050	13585	143	35260940	13585	143				1107547	0052	123

Remy	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.
1107550	0052	123	1108431	0093	124	1109237	0188	125	1109989	0556	128
1107553	0051	123	1108438	0052	123	1109248	0188	125	1109998	0097	124
1107556	0052	123	1108443	0093	124	1109249	0117	124	1109998	9028	140
1107557	0093	124	1108447	0093	124	1109259	0052	123	1112775	0117	124
1107558	0052	123	1108449	0093	124	1109294	0556	128	1113007	0051	123
1107559	0052	123	1108451	0039	123	1109297	0626	129	1113010	0051	123
1107561	0093	124	1108452	0039	123	1109299	0556	128	1113013	0051	123
1107567	0051	123	1108453	0039	123	1109624	0097	124	1113038	0051	123
1107571	0052	123	1108454	0039	123	1109624	9028	140	1113050	0051	123
1107572	0052	123	1108456	0039	123	1109625	0110	124	1113052	0051	123
1107575	0093	124	1108476	0093	124	1109625	9074	140	1113056	0051	123
1107580	0093	124	1108493	0093	124	1109627	0110	124	1113059	0051	123
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1107592	0093	124	1108648	0093	124	1109636	0110	124	1113100	0051	123
1107593	0093	124	1108649	0093	124	1109636	9074	140	1113101	0051	123
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1107680	0052	123	1108661	0051	123	1109638	0097	124	1113116	0051	123
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1107771	0052	123	1108667	0093	124	1109642	0110	124	1113127	0117	124
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1108042	0052	123	1109023	0093	124	1109741	0117	124	1113150	0051	123
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1108105	0039	123	1109140	0051	123	1109755	0110	124	1113154	0051	123
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1108161	0052	123	1109170	0117	124	1109759	9074	140	1113158	0051	123
1108239	0051	123	1109172	0117	124	1109762	0188	125	1113269	1194	133
1108240	0093	124	1109178	0117	124	1109767	0188	125	1113270	1194	133
1108250	0052	123	1109184	0117	124	1109792	0555	128	1113272	0722	130
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1108322	0093	124	1109196	0051	123	1109801	0117	124	1113274	0649	129
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1108340	0052	123	1109221	0626	129	1109832	0556	128	1113275	0649	129
1108341	0052	123	1109229	0117	124	1109835	0556	128	1113275	1195	133
1108379	0093	124	1109230	0117	124	1109869	0117	124	1113277	0722	130
1108393	0052	123	1109233	0117	124	1109874	0188	125	1113278	0649	129
1108396	0093	124	1109234	0188	125	1109891	0188	125	1113278	1195	133
1108397	0093	124	1109235	0117	124	1109962	0626	129	1113279	0650	129
1108415	0093	124	1109236	0117	124	1109969	0556	128	1113279	1196	133

Remy	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.	Remy	Nº ZEN	Pg.
1113280	0650	129	1113477	0097	124	1113832	0110	124	1113973	0110	124
1113280	1196	133	1113477	0914	131	1113832	9074	140	1113973	9074	140
1113281	0649	129	1113477	9028	140	1113848	0097	124	1113974	0110	124
1113281	1195	133	1113519	0110	124	1113848	9028	140	1113974	9074	140
1113282	0649	129	1113519	9074	140	1113852	0182	125	1113975	0110	124
1113282	1195	133	1113598	0566	128	1113853	0097	124	1113975	9074	140
1113284	0649	129	1113602	0117	124	1113853	9028	140	1113977	0110	124
1113284	1195	133	1113603	0117	124	1113856	0626	129	1113977	9074	140
1113285	0649	129	1113605	0117	124	1113857	0626	129	1113978	0110	124
1113285	1195	133	1113606	0188	125	1113867	0556	128	1113978	9074	140
1113286	0651	129	1113607	0117	124	1113871	0182	125	1113979	0110	124
1113288	0649	129	1113612	0188	125	1113873	0182	125	1113979	9074	140
1113288	1195	133	1113617	0117	124	1113874	0626	129	1113981	0110	124
1113289	0649	129	1113619	0188	125	1113875	0626	129	1113981	9074	140
1113289	1195	133	1113620	0117	124	1113884	0110	124	1113983	0110	124
1113290	0649	129	1113621	0117	124	1113884	9074	140	1113983	9074	140
1113290	1195	133	1113628	0097	124	1113885	0188	125	1113984	0626	129
1113291	0722	130	1113628	9028	140	1113889	0626	129	1113985	0182	125
1113292	1194	133	1113631	0097	124	1113891	0097	124	1113986	0110	124
1113295	1194	133	1113631	9028	140	1113891	9028	140	1113986	9074	140
1113296	1194	133	1113639	0566	128	1113904	0097	124	1113988	0182	125
1113297	0649	129	1113643	0110	124	1113904	9028	140	1113994	0110	124
1113297	1195	133	1113643	9074	140	1113907	0626	129	1113994	9074	140
1113311	0117	124	1113645	0110	124	1113917	0626	129	1113995	0110	124
1113312	0117	124	1113645	9074	140	1113928	0097	124	1113995	9074	140
1113313	0117	124	1113655	0566	128	1113928	9028	140	1113996	0626	129
1113326	0117	124	1113670	0097	124	1113934	0097	124	1113997	0110	124
1113327	0117	124	1113670	9028	140	1113934	9028	140	1113997	9074	140
1113329	0117	124	1113695	0566	128	1113940	0182	125	1114024	0117	124
1113330	0117	124	1113730	0188	125	1113941	0182	125	1114028	0117	124
1113335	0117	124	1113731	0188	125	1113943	0097	124	1114036	0117	124
1113337	0117	124	1113736	0188	125	1113943	9028	140	1114041	0188	125
1113344	0930	131	1113741	0188	125	1113952	0110	124	1114043	0117	124
1113350	0879	131	1113744	0117	124	1113952	9074	140	1114044	0117	124
1113353	0097	124	1113747	0188	125	1113953	0626	129	1114045	0117	124
1113353	9028	140	1113751	0188	125	1113955	0110	124	1114047	0626	129
1113359	0117	124	1113772	0188	125	1113955	9074	140	1114052	0182	125
1113366	0097	124	1113773	0188	125	1113956	0110	124	1114059	0626	129
1113366	9028	140	1113774	0117	124	1113956	9074	140	1114062	0626	129
1113369	0879	131	1113775	0117	124	1113957	0110	124	1114063	0626	129
1113371	0097	124	1113781	0188	125	1113957	9074	140	1114066	0110	124
1113371	9028	140	1113782	0188	125	1113958	0110	124	1114066	9074	140
1113374	0879	131	1113785	0188	125	1113958	9074	140	1114075	0626	129
1113378	0097	124	1113794	0117	124	1113965	0110	124	1114077	0182	125
1113378	9028	140	1113801	0879	131	1113965	9074	140	1114080	0626	129
1113386	0097	124	1113804	0879	131	1113966	0110	124	1114092	0110	124
1113386	9028	140	1113805	0188	125	1113966	9074	140	1114092	9074	140
1113393	0097	124	1113809	0188	125	1113968	0110	124	1114093	0626	129
1113393	9028	140	1113811	0879	131	1113968	9074	140	1114094	0182	125
1113407	0097	124	1113815	0188	125	1113970	0110	124	1114100	0626	129
1113407	9028	140	1113816	0117	124	1113970	9074	140	1114101	0182	125
1113472	0097	124	1113817	0879	131	1113971	0110	124	1114104	0626	129
1113472	9028	140	1113822	0117	124	1113971	9074	140	1114106	0626	129
1113475	0110	124	1113827	0097	124	1113972	0110	124	1114140	0110	124
1113475	9074	140	1113827	9028	140	1113972	9074	140	1114140	9074	140

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1114143	9074	140	1990285	0555	128	1990430	0626	129	1993754	0625	129
1114145	0110	124	1990308	0625	129	1990436	0626	129	1993754	0755	130
1114145	9074	140	1990308	0755	130	1990439	0626	129	1993755	0624	129
1114146	0182	125	1990309	0625	129	1990447	0626	129	1993755	0858	131
1114148	0110	124	1990309	0755	130	1990483	0110	124	1993756	0625	129
1114148	9074	140	1990310	0624	129	1990484	0110	124	1993756	0755	130
1114150	0110	124	1990310	0858	131	1990486	0914	131	1993759	0625	129
1114150	9074	140	1990311	0625	129	1990489	0110	124	1993759	0755	130
1114154	0182	125	1990311	0755	130	1990490	0110	124	1993761	0625	129
1114155	0914	131	1990312	0625	129	1990494	0626	129	1993761	0755	130
1114168	0182	125	1990312	0755	130	1990498	0624	129	1993762	0625	129
1114177	0914	131	1990313	0624	129	1990498	0858	131	1993762	0755	130
1114183	0626	129	1990313	0858	131	1990499	0625	129	1993763	0624	129
1114197	0110	124	1990315	0624	129	1990499	0755	130	1993763	0858	131
1114197	9074	140	1990315	0625	129	1990707	0624	129	1993764	0624	129
1114702	0626	129	1990315	0755	130	1990707	0858	131	1993764	0858	131
1114713	0556	128	1990315	0858	131	1992019	0117	124	1993767	0625	129
1114716	0914	131	1990316	0624	129	1993669	0624	129	1993767	0755	130
1114718	0626	129	1990316	0858	131	1993669	0858	131	1993768	0624	129
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1114739	0626	129	1990317	0858	131	1993701	0755	130	1993769	0625	129
1114778	0626	129	1990318	0625	129	1993702	0625	129	1993769	0755	130
1114792	0626	129	1990318	0755	130	1993702	0755	130	1993770	0624	129
1114807	0626	129	1990319	0624	129	1993705	0625	129	1993770	0858	131
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1114809	0626	129	1990320	0624	129	1993709	0624	129	1993778	0624	129
1114840	0626	129	1990320	0858	131	1993709	0858	131	1993778	0858	131
1114902	0626	129	1990321	0624	129	1993712	0625	129	1993784	0914	131
1114922	0626	129	1990321	0858	131	1993712	0755	130	1993789	0625	129
1114925	0626	129	1990326	0625	129	1993713	0624	129	1993789	0755	130
1114930	0626	129	1990326	0755	130	1993713	0858	131	1993790	0625	129
1114948	0914	131	1990327	0624	129	1993719	0624	129	1993790	0755	130
1114952	0626	129	1990327	0858	131	1993719	0858	131	1993791	0624	129
1114955	0117	124	1990330	0624	129	1993723	0625	129	1993791	0858	131
1114959	0626	129	1990330	0858	131	1993723	0755	130	1993792	0625	129
1114960	0626	129	1990331	0624	129	1993726	0625	129	1993792	0755	130
1114976	0117	124	1990331	0858	131	1993726	0755	130	1993793	0625	129
1117335	0052	123	1990332	0624	129	1993728	0624	129	1993793	0755	130
1117356	0052	123	1990332	0858	131	1993728	0858	131	1993794	0624	129
1117364	0052	123	1990335	0117	124	1993729	0624	129	1993794	0858	131
1117377	0052	123	1990336	0624	129	1993729	0858	131	1993795	0097	124
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1990213	0626	129	1990340	0626	129	1993732	0858	131	1993799	0625	129
1990215	0626	129	1990347	0625	129	1993738	0625	129	1993799	0755	130
1990216	0626	129	1990347	0755	130	1993738	0755	130	1993800	0625	129
1990217	0626	129	1990352	0110	124	1993741	0625	129	1993800	0755	130
1990227	0556	128	1990355	0110	124	1993741	0755	130	1993801	0914	131
1990232	0555	128	1990366	0097	124	1993742	0624	129	1993817	0625	129
1990232	0556	128	1990379	0097	124	1993742	0858	131	1993817	0755	130
1990236	0626	129	1990380	0626	129	1993744	0625	129	1993818	0625	129
1990238	0556	128	1990381	0626	129	1993744	0755	130	1993818	0755	130
1990241	0556	128	1990389	0626	129	1993745	0624	129	1993819	0625	129
1990242	0626	129	1990395	0626	129	1993745	0858	131	1993819	0755	130
1990245	0626	129	1990413	0097	124	1993746	0624	129	1993826	0914	131

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1993829	0755	130	1993891	0858	131	1993963	0625	129	8200039	1811	136
1993831	0624	129	1993893	0625	129	1993963	0755	130	8200040	13131	141
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1993832	0624	129	1993894	0625	129	1993964	0858	131	8200041	13131	141
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1993832	0755	130	1993898	0624	129	1993965	0858	131	8200050	13117	141
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1993837	0625	129	1993901	0624	129	1993966	0858	131	8200050	1810	136
1993837	0755	130	1993901	0858	131	1993970	0625	129	8200050	1811	136
1993849	0626	129	1993902	0624	129	1993970	0755	130	8200053	13130	141
1993850	0625	129	1993902	0858	131	1993971	0625	129	8200053	1809	136
1993850	0755	130	1993903	0625	129	1993971	0755	130	8200054	13544	143
1993851	0624	129	1993903	0755	130	1993974	0624	129	8200054	13545	143
1993851	0858	131	1993905	0625	129	1993974	0858	131	8200054	1679	135
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1993853	0858	131	1993909	0624	129	1993981	0755	130	8200054	1936	137
1993854	0625	129	1993909	0858	131	1993986	0625	129	8200064	13544	143
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1993855	0755	130	1993911	0624	129	1993988	0755	130	8200064	1805	136
1993861	0624	129	1993911	0858	131	1993992	0624	129	8200064	1936	137
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1993862	0625	129	1993914	0755	130	1993994	0625	129	8200065	13545	143
1993862	0755	130	1993917	0625	129	1993994	0755	130	8200065	1679	135
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1993866	0625	129	1993918	0858	131	1993997	0858	131	8200072	13130	141
1993866	0755	130	1993920	0624	129	1993999	0626	129	8200072	1809	136
1993869	0624	129	1993920	0858	131	1998338	0566	128	8200075	1809	136
1993869	0858	131	1993921	0625	129	1998455	0566	128	8200077	13138	141
1993871	0624	129	1993921	0755	130	3383454	0110	124	8200077	1809	136
1993871	0858	131	1993926	0624	129	8200003	13544	143	8200078	13138	141
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1993873	0858	131	1993928	0624	129	8200003	1679	135	8200081	13118	141
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1993878	0858	131	1993947	0625	129	8200004	13545	143	8200085	13118	141
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1993886	0755	130	1993957	0625	129	8200032	1811	136	8200101	1810	136
1993887	0624	129	1993957	0755	130	8200034	13131	141	8200101	1811	136

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8200103	1679	135	8200296	13544	143	8200433	1810	136	8200699	1810	136
8200103	1805	136	8200296	13545	143	8200434	1810	136	8200719	13117	141
8200103	1936	137	8200296	1679	135	8200435	13118	141	8200719	1810	136
8200138	13544	143	8200296	1805	136	8200435	1810	136	8200733	1809	136
8200138	13545	143	8200296	1936	137	8200436	1810	136	8200816	13544	143
8200138	1679	135	8200297	13544	143	8200446	13118	141	8200816	13545	143
8200138	1805	136	8200297	13545	143	8200446	1810	136	8200816	1679	135
8200138	1936	137	8200297	1679	135	8200468	1810	136	8200816	1805	136
8200182	13130	141	8200297	1805	136	8200469	13118	141	8200816	1936	137
8200182	1811	136	8200297	1936	137	8200469	13130	141	8200826	13544	143
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8200196	1679	135	8200326	13544	143	8200474	13544	143	8200826	1805	136
8200196	1805	136	8200326	13545	143	8200474	13545	143	8200826	1936	137
8200196	1936	137	8200326	1679	135	8200474	1679	135	8200848	13544	143
8200201	13117	141	8200326	1805	136	8200474	1805	136	8200848	13545	143
8200201	13131	141	8200326	1936	137	8200474	1936	137	8200848	1679	135
8200201	1810	136	8200329	1810	136	8200478	13544	143	8200848	1805	136
8200201	1811	136	8200330	13117	141	8200478	13545	143	8200848	1936	137
8200223	1811	136	8200330	1810	136	8200478	1679	135	8200853	13544	143
8200231	13544	143	8200331	13544	143	8200478	1805	136	8200853	13545	143
8200231	13545	143	8200331	13545	143	8200478	1936	137	8200853	1679	135
8200231	1679	135	8200331	1679	135	8200486	13130	141	8200853	1805	136
8200231	1805	136	8200331	1805	136	8200486	1809	136	8200853	1936	137
8200231	1936	137	8200331	1936	137	8200495	13544	143	8200854	13544	143
8200242	13138	141	8200356	13130	141	8200495	13545	143	8200854	13545	143
8200242	1809	136	8200356	1809	136	8200495	1679	135	8200854	1679	135
8200287	1810	136	8200357	13544	143	8200495	1805	136	8200854	1805	136
8200287	1811	136	8200357	13545	143	8200495	1936	137	8200854	1936	137
8200288	13117	141	8200357	1679	135	8200511	13544	143	8200875	13544	143
8200288	13131	141	8200357	1805	136	8200511	13545	143	8200875	13545	143
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8200288	1811	136	8200386	13544	143	8200511	1805	136	8200875	1805	136
8200289	13117	141	8200386	13545	143	8200511	1936	137	8200875	1936	137
8200289	13131	141	8200386	1679	135	8200512	13544	143	8200882	13544	143
8200289	1810	136	8200386	1805	136	8200512	13545	143	8200882	13545	143
8200289	1811	136	8200386	1936	137	8200512	1679	135	8200882	1679	135
8200290	13117	141	8200387	13544	143	8200512	1805	136	8200882	1805	136
8200290	13131	141	8200387	13545	143	8200512	1936	137	8200882	1936	137
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8200291	13130	141	8200400	13544	143	8200564	13545	143	8200884	1805	136
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8200292	1679	135	8200417	13118	141	8200572	13130	141	8200885	1805	136
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8200292	1936	137	8200417	1810	136	8200572	1811	136	8200886	13544	143
8200295	13544	143	8200417	1811	136	8200605	13117	141	8200886	13545	143
8200295	13545	143	8200421	1810	136	8200605	1810	136	8200886	1679	135
8200295	1679	135	8200431	13117	141	8200606	13118	141	8200886	1805	136

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8200886	1936	137	10461016	0858	131	10478929	0625	129	10479606	0650	129
8200887	13544	143	10461018	0624	129	10478929	0755	130	10479606	1196	133
8200887	13545	143	10461018	0858	131	10478930	0625	129	10479607	0649	129
8200887	1679	135	10461039	0625	129	10478930	0755	130	10479607	1195	133
8200887	1805	136	10461039	0755	130	10478949	0624	129	10479608	0721	130
8200887	1936	137	10461044	0625	129	10478949	0858	131	10479611	0722	130
8200889	13544	143	10461044	0755	130	10478953	0625	129	10479612	0721	130
8200889	13545	143	10461069	0625	129	10478953	0755	130	10479613	0650	129
8200889	1679	135	10461069	0755	130	10478957	0625	129	10479613	1196	133
8200889	1805	136	10461417	1205	133	10478957	0755	130	10479614	1194	133
8200889	1936	137	10465151	1194	133	10478960	0624	129	10479615	1194	133
8200890	13544	143	10465314	1194	133	10478960	0858	131	10479616	0722	130
8200890	13545	143	10478802	0110	124	10478961	1205	133	10479617	1194	133
8200890	1679	135	10478802	9074	140	10478976	0625	129	10479618	1194	133
8200890	1805	136	10478805	0624	129	10478976	0755	130	10479620	0651	129
8200890	1936	137	10478805	0858	131	10478981	0626	129	10479623	0722	130
8201091	0110	124	10478806	0625	129	10478986	0110	124	10479625	1194	133
8600612	1810	136	10478806	0755	130	10478986	9074	140	10479626	0850	131
9000836	0958	132	10478811	0624	129	10478998	0110	124	10479626	0985	132
9000841	0958	132	10478811	0858	131	10478998	9074	140	10479629	0722	130
9000854	0958	132	10478813	0110	124	10479009	0097	124	10479634	1194	133
9000857	0958	132	10478813	9074	140	10479010	0110	124	10479638	1194	133
9000858	0958	132	10478814	0625	129	10479014	0624	129	10479641	1194	133
9000871	0958	132	10478814	0755	130	10479014	0858	131	10479645	1112	133
9000872	0958	132	10478818	1205	133	10479015	0625	129	10479650	0985	132
9000873	0958	132	10478819	0625	129	10479015	0755	130	10479651	1112	133
9000879	0958	132	10478819	0755	130	10479016	0625	129	10479652	1112	133
9000880	0958	132	10478824	0110	124	10479016	0755	130	10479654	0985	132
9000882	0958	132	10478824	9074	140	10479020	0625	129	10479655	0722	130
9000884	0958	132	10478825	0624	129	10479020	0755	130	19011400	13544	143
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10461002	0625	129	10478831	0625	129	10479054	0625	129	19011402	1679	135
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10461003	0625	129	10478846	0556	128	10479068	0625	129	19011402	1936	137
10461003	0755	130	10478853	0556	128	10479068	0755	130	19011403	13544	143
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10461006	0625	129	10478890	0625	129	10479109	1205	133	19011403	1805	136
10461006	0755	130	10478890	0755	130	10479178	0097	124	19011403	1936	137
10461007	0624	129	10478894	0110	124	10479196	0624	129	19011407	13544	143
10461007	0858	131	10478894	9074	140	10479196	0858	131	19011407	13545	143
10461008	0624	129	10478898	1210	133	10479260	0097	124	19011407	1679	135
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10461010	0858	131	10478921	0625	129	10479302	0858	131	19011507	13131	141
10461013	0624	129	10478921	0755	130	10479310	1205	133	19011507	1811	136
10461013	0858	131	10478927	0624	129	10479339	0110	124	19011509	13131	141
10461015	0625	129	10478927	0858	131	10479343	0110	124	19011509	1811	136
10461015	0755	130	10478928	0625	129	10479604	1194	133	19011511	13130	141
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19011512	1811	136
19011513	13130	141
19011513	1811	136
19011514	1810	136
19011514	1811	136
19011518	13117	141
19011518	13131	141
19011518	1810	136
19011518	1811	136
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19011522	13117	141
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19011523	13117	141
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19011527	13117	141
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19011527	1811	136
19011529	13117	141
19011529	13131	141
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19011529	1811	136
19024013	0133	124
19024016	0133	124
19024038	0133	124
19024063	0133	124
19024064	0133	124
19024071	0133	124
19024076	0133	124
19024077	0133	124
19024079	0133	124
19024087	0133	124
19024135	0133	124
19024180	0133	124
19024801	0133	124
19026027	13138	141
19026027	1809	136
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5000240884	0308	126
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836673289	1701	135
836673290	1698	135
836866817	1698	135
836867365	1701	135
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6090926	0308	126
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3110080091	0450	127
3110083010	0450	127
3110083021	0450	127
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88189	0567	128
215861	0567	128
215987	0567	128
971561	0567	128
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2810010060	0947	131
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2810013010	0947	131
2810013010	1722	136
2810013010	9186	140
2810015020	0947	131
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2810015020	9186	140
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2810015040	1722	136
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2810026120	9186	140
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2810034060	1722	136
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2810044030	1722	136
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2810045030	9186	140
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2810045033	0947	131
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2810060070	0947	131
2810060070	1722	136
2810060070	9186	140
2810063020	0947	131
2810063020	1722	136
2810063020	9186	140
2810063050	0947	131
2810063050	1722	136
2810063050	9186	140
2810072010	0947	131
2810072010	1722	136
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2810072020	0947	131
2810072020	1722	136
2810072020	9186	140
2810072030	0947	131
2810072030	1722	136
2810072040	0947	131
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2810072050	1722	136
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2810072070	0947	131
2810072070	1722	136
2810072090	0947	131
2810072090	1722	136
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2810072100	1722	136
2810072110	0947	131
2810072110	1722	136
2810073010	0947	131
2810073010	1722	136
2810075050	0818	130
2810076060	0818	130
2810076070	0818	130
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D7R14	2017	139
D13E117TE	0117	124
D13E118TE	0117	124
D13E119TE	0117	124
D13E120TE	0117	124


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D13E122TE	0117	124
D13E123TE	0117	124
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221561	1699	135
83645200	1699	135
83646400	1701	135
83646500	1698	135
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35532064F	1992	138
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2R0911023A	13584	143
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240847	0308	126
241599	0308	126
243007	0308	126
243043	0308	126
243326	0308	126
4785539	0308	126
4785541	0308	126
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MPB1	0024	123
MPB1	1359	133
MPB2	0024	123
MPB2	1359	133
MPB3	0056	123
MPB4	0056	123
MPB5	0073	123
MPB9	0085	124
MPC1	0022	123
MPE1	0193	125
MPF8	0024	123
MPF8	1359	133
MPN2	0024	123
MPN2	1359	133
MAL11	0022	123
MALP2	0024	123
MALP2	1359	133
MPB11	0024	123
MPB11	1359	133
MPB17	0024	123
MPB17	1359	133
MPB18	0024	123
MPB18	1359	133
MPB23	0024	123
MPB23	1359	133
MPB25	0193	125
MPB27	0193	125
MPB30	0085	124
MPB31	0024	123
MPB31	1359	133
MPB33	0024	123

Wapsa	Nº ZEN	Pg.
MPB33	1359	133
MPB38	0125	124
MPB42	0085	124
MPB47	0186	125
MPB48	0186	125
MPB49	0024	123
MPB49	1359	133
MPB50	0024	123
MPB50	1359	133
MPB59	0024	123
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MPB60	0024	123
MPB60	1359	133
MPB63	0024	123
MPB63	1359	133
MPB68	0085	124
MPB70	0024	123
MPB70	1359	133
MPC1N	0086	124
MPC69	0024	123
MPC69	1359	133
MPMF3	0024	123
MPMF3	1359	133
MWB17	0348	126
MALBD1	0022	123
MALBD2	0022	123
MALMF2	0024	123
MALMF2	1359	133
MALTF1	0024	123
MALTF1	1359	133
MALTF2	0024	123
MALTF2	1359	133
MALW3N	0056	123
MPJ1074	0024	123
MPJ1074	1359	133
White	Nº ZEN	Pg.
207000396	0567	128
Yale	Nº ZEN	Pg.
220002397	0567	128
220007252	0567	128
220007343	0567	128
220007347	0567	128
220007359	0567	128
220007362	0567	128
ZM	Nº ZEN	Pg.
8148001	1733	136
8148002	1733	136

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

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	001
0108	9	25.8	64	10	12	46.7	2.5	Horário		
0638	9	34.4	64	10	12	46.5	2.5	Horário		
0893	10	31.7	64	10	12	46.5	2.5	Horário		
0996	10	32	64	10	12	46.5	2.5	Horário		

N° ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	008
0163	9	34.4	64	10	12	46.5	2.5	Horário		

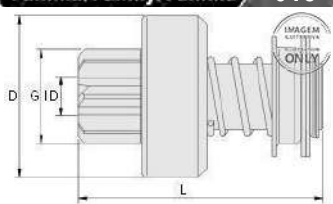
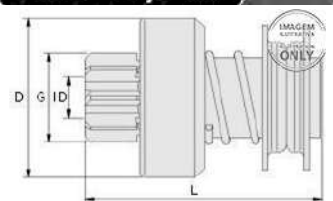
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	011
0888	11	41.99	98	3	14.29	59.9		Horário		

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	012
0608	9	35.5	81.5	6	17	60		Horário		

N° ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	014
0101	11	41	89	10	14.3	60	20	Horário		
0105	9	34.8	91	10	14.3	60	13	Horário		
0118	10	40	91	10	14.26	60	13	Horário		
0302	10	40	91	10	14.26	60	25	Horário		
0304	10	32	91	10	14.26	60	25	Horário		
0308	9	34.8	91	10	14.26	60	13	Horário		
0310	9	34.8	75	10	14.3	60	6	Horário		
0312	9	34.8	75	10	14.3	60	6	Horário		
0315	9	34.8	91	10	14.3	60	13	Horário		
0316	11	41	91	10	14.3	60	25	Horário		
0392	11	41	91	10	14.3	60	13	Horário		
0497	10	32	91	10	14.26	60	13	Horário		
0661	10	39	91	10	14.3	60	13	Horário		
0748	10	37.8	91	10	14.3	60	13	Horário		
1364	9	34.8	91	10	14.3	60	13	Horário		

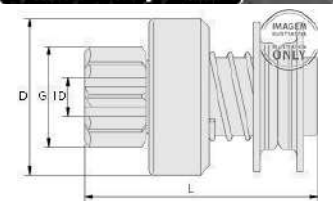
T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De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

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	015
0291	9	34.8	74	10	14.26	60			Horário	
0366	9	34.8	74	10	14.3	60			Horário	
0367	9	34.8	91	10	14.3	60			Horário	
0378	11	41	91	10	14.3	60			Horário	
0418	10	40	91	10	14.26	60			Horário	
0447	11	41	73.5	10	14.2	60			Horário	
0496	9	34.8	84	10	14.3	54.5			Horário	
0635	10	32	91	10	14.26	60			Horário	
0648	9	34.8	91	10	14.26	60			Horário	
0668	10	40	84	10	14.3	54.5			Horário	
0784	9	29.64	91	10	14.3	60			Anti-horário	
0814	10	40	91	10	14.26	60			Horário	
0970	9	36.5	91	10	14.3	60			Horário	
1180	10	27.5	70.2	10	12	54.5			Horário	
1616	10	39.5	77	10	14.3	60			Horário	

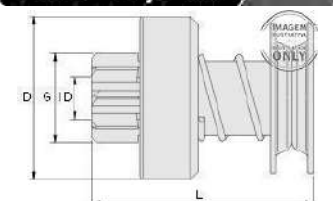
[illegible]

Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW
0217	9	29.64	76	6	14	54.5		Horário
0783	9	25.8	72	3	12	43.5		Horário
1711	9	33.8	87.2	6	14.01	60.5		Horário

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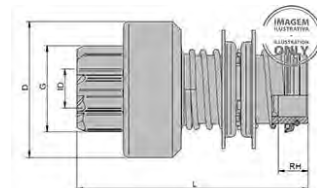


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	020
0022	9	29.64	100	6	14.26	46.5			Horário	
0024	10	40	79.5	6	14.29	60			Horário	
0039	10	40	96	6	14.3	60			Horário	
0041	11	41	102.5	6	14.3	60			Horário	
0051	12	46.3	96	3	14.3	60			Horário	
0052	9	29.64	95	3	14.3	60			Horário	
0056	9	29.64	73.5	6	12	46.5			Horário	
0073	9	29.64	87	6	12	46.5			Horário	
0085	9	34.8	79	6	14.26	60			Horário	
0086	9	29.64	97.5	6	12	46.5			Horário	
0093	10	40	96	3	14.29	60			Horário	
0112	10	32	96	3	14.26	60			Horário	
0125	13	47	89.5	3	14.29	60			Anti-horário	
0186	10	40	96.5	6	14.29	60			Horário	
0193	9	29.64	100	6	12	46.5			Horário	
0198	10	40	102.5	6	14.26	60			Horário	
0755	10	39.67	98	3	14.29	59.9	1.9		Horário	
0858	12	46.36	98	3	14.29	59.9	1.9		Horário	
1359	10	40	79.5	6	14.3	60			Horário	
1928	10	32	96	3	14.26	60			Horário	

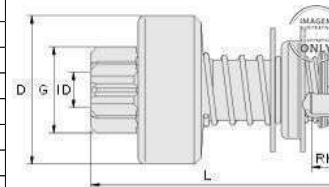


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrias # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

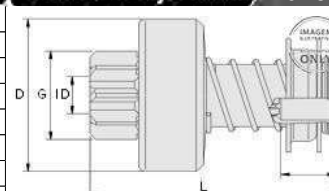
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	021
0028	9	34.8	90	3	14.29	54.5	10	Horário		
0034	9	34.8	91	3	14.26	60	13	Horário		
0043	10	40	87	3	14.26	60	13	Horário		
0059	11	41	92	3	14.26	60		Horário		
0060	10	40	91.5	3	14.26	60	10	Horário		
0062	9	34.8	77.5	3	14.26	46.6	10	Horário		
0092	9	34.8	86.5	3	14.26	60	12	Horário		
0224	10	37.8	90	3	14.26	54.5	10	Horário		
0318	9	34.8	90	10	14.26	54.5	18	Horário		
0902	11	41	91	12	14.26	60	15	Horário		
1076	9	34.8	86.9	3	14.29	54.5	13	Horário		



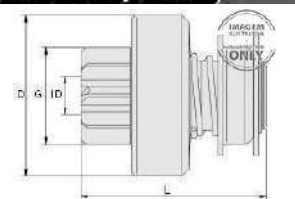
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	022
0225	9	34.8	92.5	3	14.26	60	10	Horário		
0226	11	41	92.5	3	14.3	60	10	Horário		



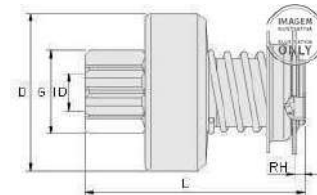
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	025
0440	9	34.8	95	10	15.05	60	7	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	027
0376	9	33	69	12	14	60		Horário		
0448	9	36	69	12	14	60		Horário		
0539	10	39.5	69	12	14	60		Horário		
0561	9	34.8	77	6	14	60		Horário		
1073	9	34.8	83	10	14.3	60		Horário		
1600	10	40	82	10	14.26	60		Horário		
1951	11	41	82	10	14.26	60		Horário		
2021	9	34.8	76.5	10	14.26	60		Horário		
2027	10	37.8	82	10	14.26	60		Horário		

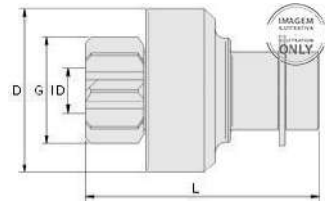


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	029
0649	10	40	85	12	14	60	4	Horário		
0650	12	46.3	85	12	14.01	60	4	Horário		
0651	9	34.4	85	12	14	60	4	Horário		
0850	9	36.5	80	12	14	60	4	Horário		
1059	9	34.8	83	10	14.3	60	10	Horário		
1060	10	40	85	10	14.26	60	10	Horário		
1194	10	32	85	12	14	60	4	Horário		
1195	10	40	85	12	14	60	4	Horário		
1196	12	46.3	85	12	14	60	4	Horário		

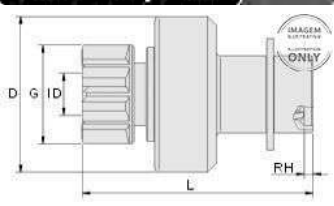


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

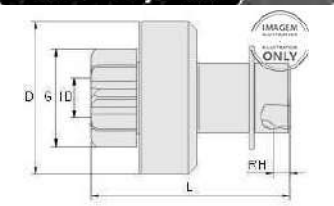
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	030
0144	9	29.64	60.5	8	12.8	45.5		Horário		
0352	8	28.2	60.5	8	12.8	45.9		Horário		
0427	10	40	60.5	8	12.8	45.5		Anti-horário		



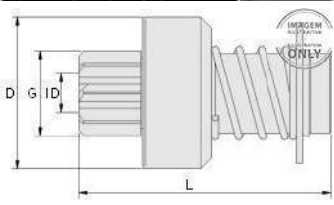
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	033
1948	13	46	107.5	16	17.03	72.2		Horário		



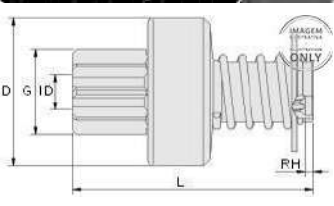
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	034
0950	9	29.6	53.5	5	11	41.5	2.12	Anti-horário		
0958	11	30	47	6	12	46.5	1.5	Horário		



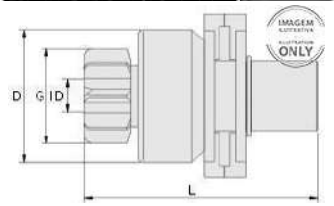
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	035
0102	10	40	95	3	15	60		Horário		
0492	10	32	95	3	15	60		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	036
0438	9	34.8	91	10	15.05	60	3	Horário		
0439	10	40	91	10	15	60	3	Horário		

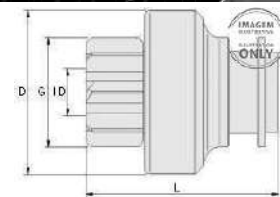


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	037
0495	10	33	75.5	6	12	46.5		Horário		

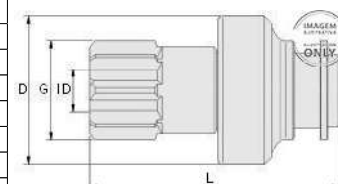


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

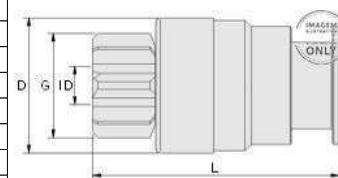
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	039
0064	10	40	70	3	17	60		Horário		
0067	10	40	73	3	17	60		Horário		
0096	10	40	70	12	17	60		Horário		
0134	13	46	73	12	17	60		Horário		
0150	10	40	73	12	17	60		Horário		
0155	10	40	73	12	17	60		Horário		
0322	10	40	70	3	17	60		Horário		
0398	13	46	70	12	17	60		Horário		
0480	10	40	70	12	17.03	60		Horário		
0507	11	39.5	73	3	17	60		Horário		
0594	9	35.5	73	12	14.3	60		Horário		



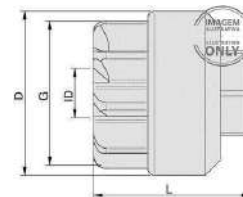
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	040
0485	11	41	100	12	17	60		Horário		
0557	11	41	100	12	17.03	60		Horário		
1502	11	41	95.5	12	14.26	60		Horário		



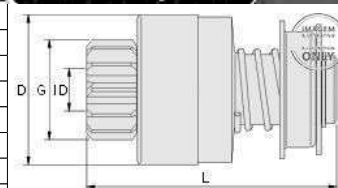
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	041
0434	10	40	102	4	17.03	60		Horário		
0607	12	46.3	102	4	17	60		Horário		
0813	10	40	108.5	4	17	60		Horário		
0948	10	40	104	18	17	60		Horário		



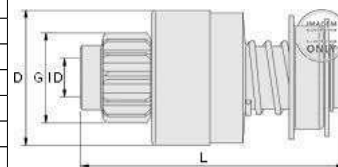
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	042
1656	9	36.3	37.5	6	13.1	39.5		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	043
0670	13	40	100	10	17	60		Horário		
0721	10	40	85.5	12	14.01	60	4.5	Horário		
0722	10	32	85.5	12	14	60	4.5	Horário		
0894	11	40.6	84	12	15	60	4.5	Horário		
0985	9	36.5	85.5	12	14	60	4.5	Horário		
1112	9	36.5	85.5	12	14	60	4.5	Horário		

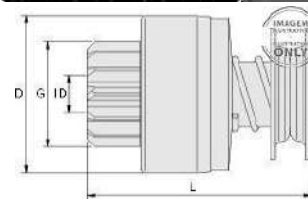


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	Height of Rabbet	Clockwise/Counter Clockwise
# De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


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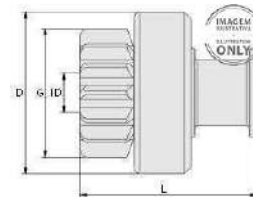
N° ZEN	T	G	L	SPL	ID	D	RH	CW/CW
0566	12	46.3	96	3	14.3	60		Horário
0567	9	29.64	96	3	14.26	60		Horário
0624	12	46.3	98.5	3	14.3	60		Horário
0625	10	39.5	98.5	3	14.3	60		Horário

Technical drawing of the camera showing dimensions D, G, ID, L and a note "IMAGER ONLY".



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Família	046
1090	10	32.1	80	10	14	60			Horário	
1595	10	40	80	6	15	60			Horário	
1596	9	34.8	80	10	14.01	60			Horário	
1602	10	40	60.5	10	14.06	60			Horário	
1603	12	46.3	76	6	15	60			Horário	
1604	10	32	77	6	15	60			Horário	
1622	10	40	74	10	14.1	60			Horário	
1635	9	37.18	60.9	10	12.06	60			Horário	
1637	10	40	80	10	14.01	60.4			Horário	
1719	10	40	74.9	6	15	59.5			Horário	
1726	11	41	80.4	6	15	59.5			Horário	
1733	11	39.67	74	10	14.01	60.5			Horário	
1881	12	37.18	80.4	6	15	60			Horário	
2003	10	32	80.4	6	15	60			Horário	



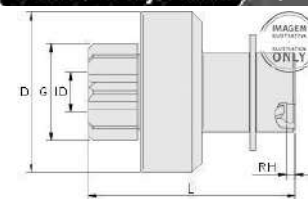
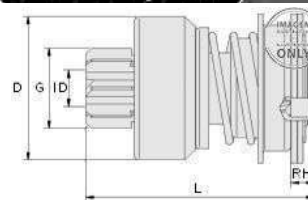


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW
0450	8	28.2	55.5	8	12	46.5		Horário
0584	9	29.64	55.5	8	12	46.5		Horário
0853	8	28.2	70.5	8	12	46.5		Horário
0943	9	38.4	71	8	12	46.3		Anti-horário
1744	11	39.67	62	5	12.51	46.6	1	Horário
1880	10	31.8	64	6	12	43.5	1.5	Anti-horário

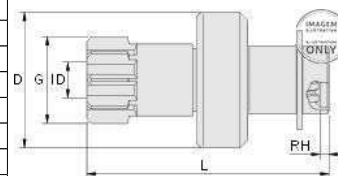
Familia/Family/Família

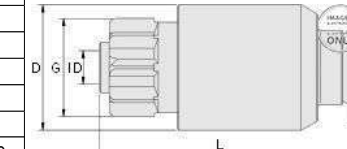
047

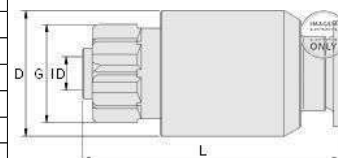
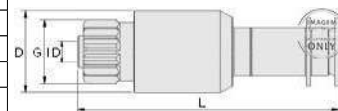
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T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes	Diâmetro Externo (mm)	Comprimento (mm)	Nº de Estrial	Diâmetro da Bucha (mm)	Diâmetro da Capa (mm)	Profundidade de Rebaixo	Horário/Anti Horário
# Of Pinon Teeth	Pinon O.D.	Length	# Of Splines	Pinon I.D.	Drive O.D.	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]

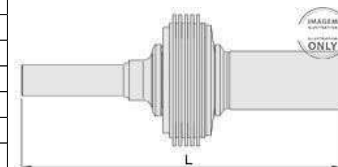
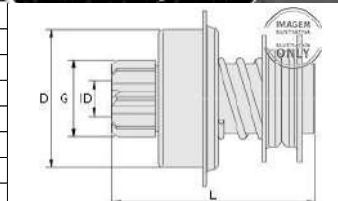
N° ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Família/Family/Familia	051
0097	12	46.3	120.1	19	15.9	58.4			Horário	
0110	11	56.7	120.1	19	15.9	58.4			Horário	
0117	12	46.3	120.1	19	19	58.4			Horário	
0182	13	49.7	120.1	19	15.9	58.4			Horário	
0188	11	56.7	120.1	19	19	58.4			Horário	
0622	12	46.3	118	19	15.9	58.9			Horário	
0626	11	56.7	120.1	19	15.94				Anti-horário	
0776	12	46.3	118	19	19	58.4			Horário	
0778	11	56.7	118	19	19	58.4			Horário	
0879	13	49.7	118	19	19	58.4			Horário	
0914	12	46.3	120.1	19	15.9				Anti-horário	
0930	11	56.7	118	19	19	58.4			Anti-horário	
1013	10	39.67	102	19	15.9	58.4			Horário	
1190	10	40.4	118	19	15.9				Horário	
1204	11	56.7	118	19	19	58.4			Horário	
1205	12	46.3	102	19	15.9	58.4			Horário	
1210	11	56.7	102	19	15.9	58.4			Horário	

[illegible]

N° ZEN	T	G	L	SPL	ID	D	RH	CW/CCW
0133			166	21		75.5		

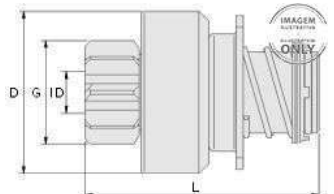
The technical drawing shows a side view of the lens assembly. Dimension 'L' indicates the total length from the front flange to the rear mounting face. Dimension 'D' indicates the diameter of the main barrel section.

Familia/Family/Família / 058

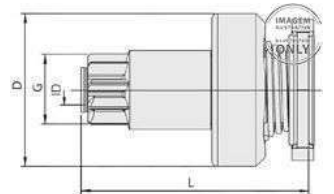
[illegible]

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

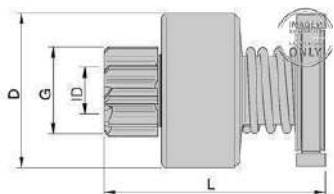
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	070
0351	9	29.64	62	10	12.5	46.5		Horário		



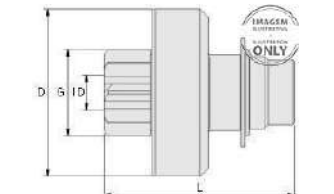
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	079
1655	10	27.94	105.5	16	12	54.5		Anti-horário		
1937	10	32	82.8	16	11	50.5		Horário		



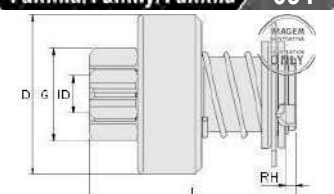
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	082
1038	9	34.8	83	10	14.3	60		Horário		
1633	11	41	74	10	14.26	60		Horário		
1952	11	40	83	10	14.3	60		Horário		
1971	11	34.4	83	10	14.26	60		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	085
2017	10	33	69.4	10	12.06	54.5		Horário		

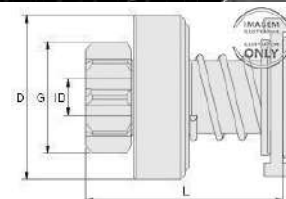


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	091
1678	10	40	81.8	10	14.26	60.4		Horário		
1698	11	41	81.8	10	14.26	60.4		Horário		
1699	9	34.8	75.9	14	14.26	60.4		Horário		
1700	10	39.3	75.6	14	14.26	60.4		Horário		
1701	10	40	85.6	14	14.26	60.4		Horário		
1709	10	32	75.9	14	14.26	60.4		Horário		
1751	9	34.8	82.2	6	14.15	60.4		Horário		
1754	10	31.8	115.5	14	12	59.5		Horário		
1898	9	34.8	64.9	14	12	54.5		Horário		
1944	13	46	53	14	12	54.5		Anti-horário		
1979	9	34.8	82.1	10	14.26	60.4		Horário		
1980	10	39.5	82	10	14.26	60.4		Horário		
1994	10	39.67	136.8	10	14.24	60.4		Horário		
2007	11	41	75.7	14	14.26	60.4		Horário		
2009	9	29.64	52	14	12	53.5		Horário		
2011	9	34.8	75.9	14	14.26	60.4		Horário		
2012	9	34.8	82.2	10	14.26	60.4		Horário		
2013	11	40.5	75.9	14	14.26	60.4		Horário		
2038	10	32	56.5	14	12	54.5		Horário		
2049	9	34.8	52.6	14	12	53.5		Horário		

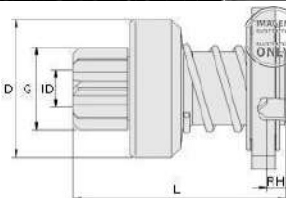


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

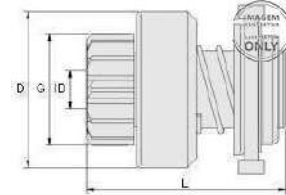
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	094
0929	11	35.8	62	10	12	54.5		Horário		
1030	11	29.5	49	10	12	54.5		Horário		
1071	10	27.5	58.5	10	12	52.7		Horário		
1157	9	34.8	83	10	14.3	60		Horário		
1624	9	34.8	76	10	14.26	60		Horário		
1631	10	33	60	10	12	53.5		Horário		
1638	9	34.8	69.5	10	12	52.7		Horário		
1690	10	40	59.4	10	12	52.9		Horário		
1772	10	39.67	76	10	14.29	59.5		Horário		
1878	11	43.5	83	10	14.26	60		Horário		
1929	11	41	58.5	10	12	53		Horário		
1992	9	34.8	54.3	10	12	52.7		Horário		



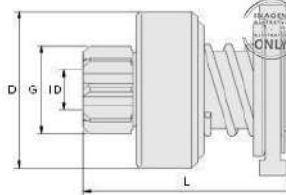
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	095
0610	9	25.8	68	3	12	43.5	6	Horário		
0612	9	25.8	69	3	12	43.5		Horário		



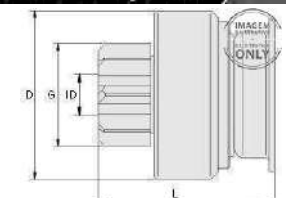
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	100
1065	9	29.64	58.5	10	12	46.5		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	106
2018	9	29.6	53.5	10	12	46.5		Anti-horário		

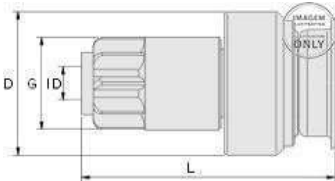


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	110
0595	8	28.2	50	8	12	46.5		Horário		

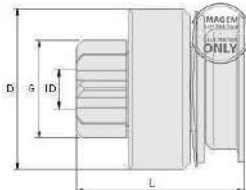


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

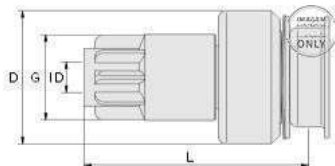
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	111
1592	9	29.64	73.8	8	10.69	46.5		Horário		



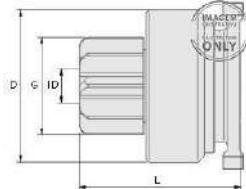
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	112
0596	10	31.7	50.9	8	12	46.5		Horário		



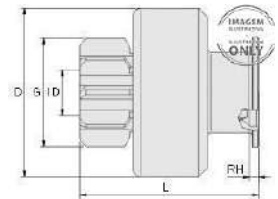
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	113
0758	9	29.64	77.5	8	10.7	46.5		Horário		



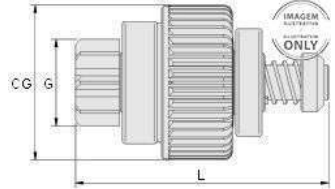
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	115
1224	10	27.9	46.6	12	12	45.3	1.85	Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	117
0978	10	40	61	10	12	60		Horário		
1134	10	27.94	55	9	12.1	46.5	4	Horário		
1556	11	34.8	38.5	10	12.51	46.5	2.5	Horário		
1621	13	46	55	9	12.06	46.6	4	Anti-horário		
1636	9	34.8	55	9	12.06	46.5	4	Horário		
1713	13	46	54.9	9	12.06	46.6	4	Horário		
1796	9	34.1	38.6	10	12.51	46.5	2	Horário		

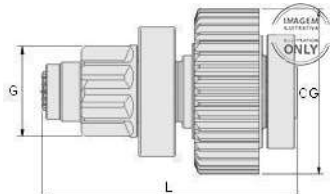


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	122
1960	9	32.2	100					Horário		
2029	9	36	96					Horário		

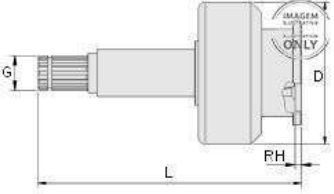


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estriás	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

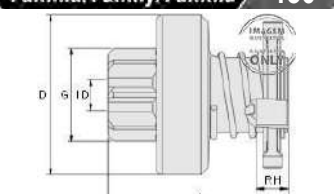
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	124
0818	9	29.6	83					Horário		
0947	9	29.64	102					Horário		
1722	18	12.7	102					Horário		
1846	10	40.8	110					Horário		
1957	11	29.3	102					Horário		
1972	9	34.8	102					Horário		
1973	11	41.99	102					Horário		



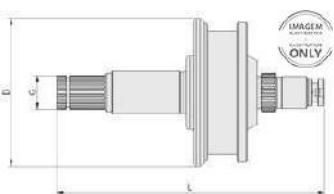
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	128
0887	20	14.7	110	5		60	2.5	Horário		
1679	21	16.5	131.3	7		60		Horário		
1805	21	16.5	131.3	6		60		Horário		



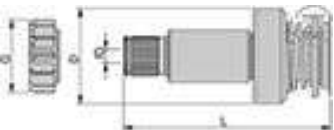
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	130
1693	10	40.4	72.7	10	12.06	60.4	11	Horário		



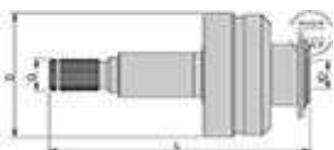
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	134
1046	20	14.7	126	10		65		Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	141
1647	10	32.1	117.4	6	12.06	59		Horário		
1837	10	40	164.6	6	12.06	59.5		Horário		

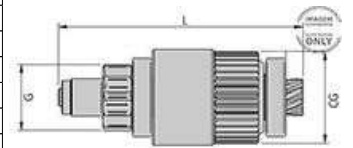


Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	142
1809	23	17.5	144.2	6	13.01	69.5		Horário		
1810	28	20.1	148	6	13.01	71.9		Horário		
1811	23	17.5	144.2	6	13.01	71.9		Horário		

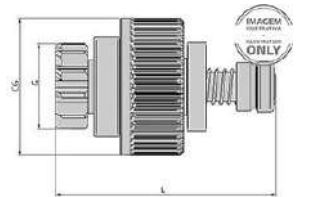


T	G	L	SPL	ID	D	RH	CW/CCW
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón	Diâmetro Externo (mm) Pinon O.D. Piñon-Dimension	Comprimento (mm) Length Largo	Nº de Estrial # Of Splines # De Estrías	Diâmetro da Bucha (mm) Pinon I.D. Pinón-Dimensión Interna	Diâmetro da Capa (mm) Drive O.D. Dimensión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

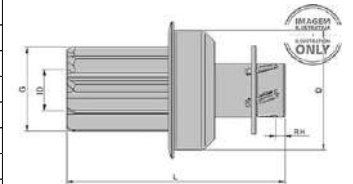
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	144
1828			91.9					Horário		
1829	13	39.5	146.3					Horário		
1831	10	40	146.3					Horário		
1961	11	38.4	146.3					Horário		



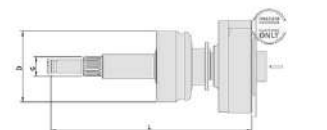
Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	145
1883	9	36	100					Horário		
2015	11	40.5	100					Horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	147
1885	9	29.5	75	5	11.02	41.5		Anti-horário		



Nº ZEN	T	G	L	SPL	ID	D	RH	CW/CCW	Familia/Family/Familia	163
1936	21	16.5	167.5	7		60		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

0022  APLICAÇÃO Application / Aplicación Pg. 144	1.01.0022.0		0024  APLICAÇÃO Application / Aplicación Pg. 144	1.01.0024.0		0028  APLICAÇÃO Application / Aplicación Pg. 144	1.01.0028.0		0034  APLICAÇÃO Application / Aplicación Pg. 144	1.01.0034.0	
	T	9		T	10		T	9		T	9
	G	29.64		G	40		G	34.8		G	34.8
	L	100		L	79.5		L	90		L	91
	SPL	6		SPL	6		SPL	3		SPL	3
	ID	14.26		ID	14.29		ID	14.29		ID	14.26
	D	46.5		D	60		D	54.5		D	60
	FAM	020		FAM	020		FAM	021		FAM	021
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0039  APLICAÇÃO Application / Aplicación Pg. 145	1.01.0039.0		0041  APLICAÇÃO Application / Aplicación Pg. 145	1.01.0041.0		0043  APLICAÇÃO Application / Aplicación Pg. 145	1.01.0043.0		0051  APLICAÇÃO Application / Aplicación Pg. 145	1.01.0051.0	
	T	10		T	11		T	10		T	12
	G	40		G	41		G	40		G	46.3
	L	96		L	102.5		L	87		L	96
	SPL	6		SPL	6		SPL	3		SPL	3
	ID	14.3		ID	14.3		ID	14.26		ID	14.3
	D	60		D	60		D	60		D	60
	FAM	020		FAM	020		FAM	021		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0052  APLICAÇÃO Application / Aplicación Pg. 145	1.01.0052.0		0056  APLICAÇÃO Application / Aplicación Pg. 146	1.01.0056.0		0059  APLICAÇÃO Application / Aplicación Pg. 146	1.01.0059.0		0060  APLICAÇÃO Application / Aplicación Pg. 146	1.01.0060.0	
	T	9		T	9		T	11		T	10
	G	29.64		G	29.64		G	41		G	40
	L	95		L	73.5		L	92		L	91.5
	SPL	3		SPL	6		SPL	3		SPL	3
	ID	14.3		ID	12		ID	14.26		ID	14.26
	D	60		D	46.5		D	60		D	60
	FAM	020		FAM	020		FAM	021		FAM	021
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0062  APLICAÇÃO Application / Aplicación Pg. 146	1.01.0062.0		0064  APLICAÇÃO Application / Aplicación Pg. 146	1.01.0064.0		0067  APLICAÇÃO Application / Aplicación Pg. 146	1.01.0067.0		0073  APLICAÇÃO Application / Aplicación Pg. 147	1.01.0073.0	
	T	9		T	10		T	10		T	9
	G	34.8		G	40		G	40		G	29.64
	L	77.5		L	70		L	73		L	87
	SPL	3		SPL	3		SPL	3		SPL	6
	ID	14.26		ID	17		ID	17		ID	12
	D	46.6		D	60		D	60		D	46.5
	FAM	021		FAM	039		FAM	039		FAM	020
	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

0085  APLICAÇÃO Application / Aplicación Pg. 147	1.01.0085.0		0086  APLICAÇÃO Application / Aplicación Pg. 147	1.01.0086.0		0092  APLICAÇÃO Application / Aplicación Pg. 147	1.01.0092.0		0093  APLICAÇÃO Application / Aplicación Pg. 147	1.01.0093.0	
	T	9		T	9		T	9		T	10
	G	34.8		G	29.64		G	34.8		G	40
	L	79		L	97.5		L	86.5		L	96
	SPL	6		SPL	6		SPL	3		SPL	3
	ID	14.26		ID	12		ID	14.26		ID	14.29
	D	60		D	46.5		D	60		D	60
	FAM	020		FAM	020		FAM	021		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0096  APLICAÇÃO Application / Aplicación Pg. 147	1.01.0096.0		0097  APLICAÇÃO Application / Aplicación Pg. 148	1.01.0097.0		0101  APLICAÇÃO Application / Aplicación Pg. 148	1.01.0101.0		0102  APLICAÇÃO Application / Aplicación Pg. 148	1.01.0102.0	
	T	10		T	12		T	11		T	10
	G	40		G	46.3		G	41		G	40
	L	70		L	120.1		L	89		L	95
	SPL	12		SPL	19		SPL	10		SPL	3
	ID	17		ID	15.9		ID	14.3		ID	15
	D	60		D	58.4		D	60		D	60
	FAM	039		FAM	051		FAM	014		FAM	035
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0105  APLICAÇÃO Application / Aplicación Pg. 149	1.01.0105.0		0108  APLICAÇÃO Application / Aplicación Pg. 149	1.01.0108.0		0110  APLICAÇÃO Application / Aplicación Pg. 150	1.01.0110.0		0112  APLICAÇÃO Application / Aplicación Pg. 150	1.01.0112.0	
	T	9		T	9		T	11		T	10
	G	34.8		G	25.8		G	56.7		G	32
	L	91		L	64		L	120.1		L	96
	SPL	10		SPL	10		SPL	19		SPL	3
	ID	14.3		ID	12		ID	15.9		ID	14.26
	D	60		D	46.7		D	58.4		D	60
	FAM	014		FAM	001		FAM	051		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0117  APLICAÇÃO Application / Aplicación Pg. 150	1.01.0117.0		0118  APLICAÇÃO Application / Aplicación Pg. 151	1.01.0118.0		0125  APLICAÇÃO Application / Aplicación Pg. 151	1.01.0125.0		0133  APLICAÇÃO Application / Aplicación Pg. 152	1.01.0133.0	
	T	12		T	10		T	13		T	-
	G	46.3		G	40		G	47		G	-
	L	120.1		L	91		L	89.5		L	166
	SPL	19		SPL	10		SPL	3		SPL	21
	ID	19		ID	14.26		ID	14.29		ID	-
	D	58.4		D	60		D	60		D	75.5
	FAM	051		FAM	014		FAM	020		FAM	058
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	-

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

0134  APLICAÇÃO Application / Aplicación Pg. 152	1.01.0134.0		0144  APLICAÇÃO Application / Aplicación Pg. 152	1.01.0144.0		0150  APLICAÇÃO Application / Aplicación Pg. 153	1.01.0150.0		0155  APLICAÇÃO Application / Aplicación Pg. 153	1.01.0155.0	
	T	13		T	9		T	10		T	10
	G	46		G	29.64		G	40		G	40
	L	73		L	60.5		L	73		L	73
	SPL	12		SPL	8		SPL	12		SPL	12
	ID	17		ID	12.8		ID	17		ID	17
	D	60		D	45.5		D	60		D	60
	FAM	039		FAM	030		FAM	039		FAM	039
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0163  APLICAÇÃO Application / Aplicación Pg. 153	1.01.0163.0		0182  APLICAÇÃO Application / Aplicación Pg. 153	1.01.0182.0		0186  APLICAÇÃO Application / Aplicación Pg. 153	1.01.0186.0		0188  APLICAÇÃO Application / Aplicación Pg. 154	1.01.0188.0	
	T	9		T	13		T	10		T	11
	G	34.4		G	49.7		G	40		G	56.7
	L	64		L	120.1		L	96.5		L	120.1
	SPL	10		SPL	19		SPL	6		SPL	19
	ID	12		ID	15.9		ID	14.29		ID	19
	D	46.5		D	58.4		D	60		D	58.4
	FAM	008		FAM	051		FAM	020		FAM	051
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0193  APLICAÇÃO Application / Aplicación Pg. 154	1.01.0193.0		0198  APLICAÇÃO Application / Aplicación Pg. 154	1.01.0198.0		0216  APLICAÇÃO Application / Aplicación Pg. 154	1.01.0216.0		0217  APLICAÇÃO Application / Aplicación Pg. 154	1.01.0217.0	
	T	9		T	10		T	9		T	9
	G	29.64		G	40		G	36.5		G	29.64
	L	100		L	102.5		L	76		L	76
	SPL	6		SPL	6		SPL	12		SPL	6
	ID	12		ID	14.26		ID	14		ID	14
	D	46.5		D	60		D	54.5		D	54.5
	FAM	020		FAM	020		FAM	016		FAM	017
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0223  APLICAÇÃO Application / Aplicación Pg. 154	1.01.0223.0		0224  APLICAÇÃO Application / Aplicación Pg. 155	1.01.0224.0		0225  APLICAÇÃO Application / Aplicación Pg. 155	1.01.0225.0		0226  APLICAÇÃO Application / Aplicación Pg. 155	1.01.0226.0	
	T	9		T	10		T	9		T	11
	G	29.64		G	37.8		G	34.8		G	41
	L	69		L	90		L	92.5		L	92.5
	SPL	10		SPL	3		SPL	3		SPL	3
	ID	12		ID	14.26		ID	14.26		ID	14.3
	D	46.5		D	54.5		D	60		D	60
	FAM	049		FAM	021		FAM	022		FAM	022
	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

0291  APLICAÇÃO Application / Aplicación Pg. 155	1.01.0291.0		0302  APLICAÇÃO Application / Aplicación Pg. 155	1.01.0302.0		0304  APLICAÇÃO Application / Aplicación Pg. 156	1.01.0304.0		0308  APLICAÇÃO Application / Aplicación Pg. 156	1.01.0308.0	
	T	9		T	10		T	10		T	9
	G	34.8		G	40		G	32		G	34.8
	L	74		L	91		L	91		L	91
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	14.26		ID	14.26		ID	14.26		ID	14.26
	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
0310  APLICAÇÃO Application / Aplicación Pg. 156	1.01.0310.0		0312  APLICAÇÃO Application / Aplicación Pg. 156	1.01.0312.0		0315  APLICAÇÃO Application / Aplicación Pg. 157	1.01.0315.0		0316  APLICAÇÃO Application / Aplicación Pg. 157	1.01.0316.0	
	T	9		T	9		T	9		T	11
	G	34.8		G	34.8		G	34.8		G	41
	L	75		L	75		L	91		L	91
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	14.3		ID	14.3		ID	14.3		ID	14.3
	D	60		D	60		D	60		D	60
	FAM	014		FAM	014		FAM	014		FAM	014
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0318  APLICAÇÃO Application / Aplicación Pg. 157	1.01.0318.0		0322  APLICAÇÃO Application / Aplicación Pg. 157	1.01.0322.0		0339  APLICAÇÃO Application / Aplicación Pg. 157	1.01.0339.0		0343  APLICAÇÃO Application / Aplicación Pg. 157	1.01.0343.0	
	T	9		T	10		T	9		T	9
	G	34.8		G	40		G	25.8		G	34.8
	L	90		L	70		L	82		L	82
	SPL	10		SPL	3		SPL	10		SPL	10
	ID	14.26		ID	17		ID	12.5		ID	12.5
	D	54.5		D	60		D	46.5		D	46.5
	FAM	021		FAM	039		FAM	050		FAM	050
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0348  APLICAÇÃO Application / Aplicación Pg. 158	1.01.0348.0		0351  APLICAÇÃO Application / Aplicación Pg. 158	1.01.0351.0		0352  APLICAÇÃO Application / Aplicación Pg. 158	1.01.0352.0		0353  APLICAÇÃO Application / Aplicación Pg. 159	1.01.0353.0	
	T	9		T	9		T	8		T	9
	G	25.8		G	29.64		G	28.2		G	29.64
	L	65		L	62		L	60.5		L	82
	SPL	6		SPL	10		SPL	8		SPL	10
	ID	12		ID	12.5		ID	12.8		ID	12.5
	D	46.5		D	46.5		D	45.9		D	46.5
	FAM	069		FAM	070		FAM	030		FAM	050
	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

0366  APLICAÇÃO Application / Aplicación Pg. 159	1.01.0366.0		0367  APLICAÇÃO Application / Aplicación Pg. 159	1.01.0367.0		0376  APLICAÇÃO Application / Aplicación Pg. 160	1.01.0376.0		0378  APLICAÇÃO Application / Aplicación Pg. 160	1.01.0378.0	
	T	9		T	9		T	9		T	11
	G	34.8		G	34.8		G	33		G	41
	L	74		L	91		L	69		L	91
	SPL	10		SPL	10		SPL	12		SPL	10
	ID	14.3		ID	14.3		ID	14		ID	14.3
	D	60		D	60		D	60		D	60
	FAM	015		FAM	015		FAM	027		FAM	015
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0392  APLICAÇÃO Application / Aplicación Pg. 160	1.01.0392.0		0398  APLICAÇÃO Application / Aplicación Pg. 160	1.01.0398.0		0418  APLICAÇÃO Application / Aplicación Pg. 161	1.01.0418.0		0427  APLICAÇÃO Application / Aplicación Pg. 161	1.01.0427.0	
	T	11		T	13		T	10		T	10
	G	41		G	46		G	40		G	40
	L	91		L	70		L	91		L	60.5
	SPL	10		SPL	12		SPL	10		SPL	8
	ID	14.3		ID	17		ID	14.26		ID	12.8
	D	60		D	60		D	60		D	45.5
	FAM	014		FAM	039		FAM	015		FAM	030
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
0434  APLICAÇÃO Application / Aplicación Pg. 161	1.01.0434.0		0438  APLICAÇÃO Application / Aplicación Pg. 161	1.01.0438.0		0439  APLICAÇÃO Application / Aplicación Pg. 161	1.01.0439.0		0440  APLICAÇÃO Application / Aplicación Pg. 161	1.01.0440.0	
	T	10		T	9		T	10		T	9
	G	40		G	34.8		G	40		G	34.8
	L	102		L	91		L	91		L	95
	SPL	4		SPL	10		SPL	10		SPL	10
	ID	17.03		ID	15.05		ID	15		ID	15.05
	D	60		D	60		D	60		D	60
	FAM	041		FAM	036		FAM	036		FAM	025
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0447  APLICAÇÃO Application / Aplicación Pg. 162	1.01.0447.0		0448  APLICAÇÃO Application / Aplicación Pg. 162	1.01.0448.0		0450  APLICAÇÃO Application / Aplicación Pg. 162	1.01.0450.0		0480  APLICAÇÃO Application / Aplicación Pg. 163	1.01.0480.0	
	T	11		T	9		T	8		T	10
	G	41		G	36		G	28.2		G	40
	L	73.5		L	69		L	55.5		L	70
	SPL	10		SPL	12		SPL	8		SPL	12
	ID	14.2		ID	14		ID	12		ID	17.03
	D	60		D	60		D	46.5		D	60
	FAM	015		FAM	027		FAM	047		FAM	039
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

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

0485  APLICAÇÃO Application / Aplicación Pg. 163	1.01.0485.0		0492  APLICAÇÃO Application / Aplicación Pg. 163	1.01.0492.0		0495  APLICAÇÃO Application / Aplicación Pg. 164	1.01.0495.0		0496  APLICAÇÃO Application / Aplicación Pg. 165	1.01.0496.0	
	T	11		T	10		T	10		T	9
	G	41		G	32		G	33		G	34.8
	L	100		L	95		L	75.5		L	84
	SPL	12		SPL	3		SPL	6		SPL	10
	ID	17		ID	15		ID	12		ID	14.3
	D	60		D	60		D	46.5		D	54.5
	FAM	040		FAM	035		FAM	037		FAM	015
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0497  APLICAÇÃO Application / Aplicación Pg. 165	1.01.0497.0		0498  APLICAÇÃO Application / Aplicación Pg. 165	1.01.0498.0		0507  APLICAÇÃO Application / Aplicación Pg. 165	1.01.0507.0		0539  APLICAÇÃO Application / Aplicación Pg. 165	1.01.0539.0	
	T	10		T	8		T	11		T	10
	G	32		G	28.2		G	39.5		G	39.5
	L	91		L	82		L	73		L	69
	SPL	10		SPL	10		SPL	3		SPL	12
	ID	14.26		ID	12.5		ID	17		ID	14
	D	60		D	46.5		D	60		D	60
	FAM	014		FAM	050		FAM	039		FAM	027
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0555  APLICAÇÃO Application / Aplicación Pg. 166	1.01.0555.0		0556  APLICAÇÃO Application / Aplicación Pg. 166	1.01.0556.0		0557  APLICAÇÃO Application / Aplicación Pg. 166	1.01.0557.0		0561  APLICAÇÃO Application / Aplicación Pg. 166	1.01.0561.0	
	T	12		T	11		T	11		T	9
	G	46.3		G	56.7		G	41		G	34.8
	L	170		L	170		L	100		L	77
	SPL	19		SPL	19		SPL	12		SPL	6
	ID	15.9		ID	15.9		ID	17.03		ID	14
	D	58.4		D	58.4		D	60		D	60
	FAM	052		FAM	052		FAM	040		FAM	027
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0566  APLICAÇÃO Application / Aplicación Pg. 166	1.01.0566.0		0567  APLICAÇÃO Application / Aplicación Pg. 167	1.01.0567.0		0584  APLICAÇÃO Application / Aplicación Pg. 167	1.01.0584.0		0594  APLICAÇÃO Application / Aplicación Pg. 167	1.01.0594.0	
	T	12		T	9		T	9		T	9
	G	46.3		G	29.64		G	29.64		G	35.5
	L	96		L	96		L	55.5		L	73
	SPL	3		SPL	3		SPL	8		SPL	12
	ID	14.3		ID	14.26		ID	12		ID	14.3
	D	60		D	60		D	46.5		D	60
	FAM	045		FAM	045		FAM	047		FAM	039
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

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

<div><div>0595</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 167</div></div>	<div><div>1.01.0595.0</div><div><table><tr><td>T</td><td>8</td></tr><tr><td>G</td><td>28.2</td></tr><tr><td>L</td><td>50</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>110</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	8	G	28.2	L	50	SPL	8	ID	12	D	46.5	FAM	110	CW/CCW	Horário	<div><div>0596</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 168</div></div>	<div><div>1.01.0596.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>31.7</td></tr><tr><td>L</td><td>50.9</td></tr><tr><td>SPL</td><td>8</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>112</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	31.7	L	50.9	SPL	8	ID	12	D	46.5	FAM	112	CW/CCW	Horário	<div><div>0607</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 168</div></div>	<div><div>1.01.0607.0</div><div><table><tr><td>T</td><td>12</td></tr><tr><td>G</td><td>46.3</td></tr><tr><td>L</td><td>102</td></tr><tr><td>SPL</td><td>4</td></tr><tr><td>ID</td><td>17</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>041</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	12	G	46.3	L	102	SPL	4	ID	17	D	60	FAM	041	CW/CCW	Horário	<div><div>0608</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 168</div></div>	<div><div>1.01.0608.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>35.5</td></tr><tr><td>L</td><td>81.5</td></tr><tr><td>SPL</td><td>6</td></tr><tr><td>ID</td><td>17</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>012</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	35.5	L	81.5	SPL	6	ID	17	D	60	FAM	012	CW/CCW	Horário
T	8																																																																						
G	28.2																																																																						
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FAM	041																																																																						
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ID	17																																																																						
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FAM	012																																																																						
CW/CCW	Horário																																																																						
<div><div>0610</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 168</div></div>	<div><div>1.01.0610.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>68</td></tr><tr><td>SPL</td><td>3</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>43.5</td></tr><tr><td>FAM</td><td>095</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	25.8	L	68	SPL	3	ID	12	D	43.5	FAM	095	CW/CCW	Horário	<div><div>0612</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 168</div></div>	<div><div>1.01.0612.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>25.8</td></tr><tr><td>L</td><td>69</td></tr><tr><td>SPL</td><td>3</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>43.5</td></tr><tr><td>FAM</td><td>095</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	25.8	L	69	SPL	3	ID	12	D	43.5	FAM	095	CW/CCW	Horário	<div><div>0622</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 169</div></div>	<div><div>1.01.0622.0</div><div><table><tr><td>T</td><td>12</td></tr><tr><td>G</td><td>46.3</td></tr><tr><td>L</td><td>118</td></tr><tr><td>SPL</td><td>19</td></tr><tr><td>ID</td><td>15.9</td></tr><tr><td>D</td><td>58.9</td></tr><tr><td>FAM</td><td>051</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	12	G	46.3	L	118	SPL	19	ID	15.9	D	58.9	FAM	051	CW/CCW	Horário	<div><div>0624</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 169</div></div>	<div><div>1.01.0624.0</div><div><table><tr><td>T</td><td>12</td></tr><tr><td>G</td><td>46.3</td></tr><tr><td>L</td><td>98.5</td></tr><tr><td>SPL</td><td>3</td></tr><tr><td>ID</td><td>14.3</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>045</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	12	G	46.3	L	98.5	SPL	3	ID	14.3	D	60	FAM	045	CW/CCW	Horário
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<div><div>0625</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 169</div></div>	<div><div>1.01.0625.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>39.5</td></tr><tr><td>L</td><td>98.5</td></tr><tr><td>SPL</td><td>3</td></tr><tr><td>ID</td><td>14.3</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>045</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	39.5	L	98.5	SPL	3	ID	14.3	D	60	FAM	045	CW/CCW	Horário	<div><div>0626</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 169</div></div>	<div><div>1.01.0626.0</div><div><table><tr><td>T</td><td>11</td></tr><tr><td>G</td><td>56.7</td></tr><tr><td>L</td><td>120.1</td></tr><tr><td>SPL</td><td>19</td></tr><tr><td>ID</td><td>15.94</td></tr><tr><td>D</td><td>-</td></tr><tr><td>FAM</td><td>051</td></tr><tr><td>CW/CCW</td><td>Anti-horário</td></tr></table></div></div>	T	11	G	56.7	L	120.1	SPL	19	ID	15.94	D	-	FAM	051	CW/CCW	Anti-horário	<div><div>0635</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 170</div></div>	<div><div>1.01.0635.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>32</td></tr><tr><td>L</td><td>91</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>14.26</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>015</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	32	L	91	SPL	10	ID	14.26	D	60	FAM	015	CW/CCW	Horário	<div><div>0638</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 170</div></div>	<div><div>1.01.0638.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>34.4</td></tr><tr><td>L</td><td>64</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>12</td></tr><tr><td>D</td><td>46.5</td></tr><tr><td>FAM</td><td>001</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	34.4	L	64	SPL	10	ID	12	D	46.5	FAM	001	CW/CCW	Horário
T	10																																																																						
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FAM	051																																																																						
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CW/CCW	Horário																																																																						
<div><div>0648</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 170</div></div>	<div><div>1.01.0648.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>34.8</td></tr><tr><td>L</td><td>91</td></tr><tr><td>SPL</td><td>10</td></tr><tr><td>ID</td><td>14.26</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>015</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	34.8	L	91	SPL	10	ID	14.26	D	60	FAM	015	CW/CCW	Horário	<div><div>0649</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 170</div></div>	<div><div>1.01.0649.0</div><div><table><tr><td>T</td><td>10</td></tr><tr><td>G</td><td>40</td></tr><tr><td>L</td><td>85</td></tr><tr><td>SPL</td><td>12</td></tr><tr><td>ID</td><td>14</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>029</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	10	G	40	L	85	SPL	12	ID	14	D	60	FAM	029	CW/CCW	Horário	<div><div>0650</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 171</div></div>	<div><div>1.01.0650.0</div><div><table><tr><td>T</td><td>12</td></tr><tr><td>G</td><td>46.3</td></tr><tr><td>L</td><td>85</td></tr><tr><td>SPL</td><td>12</td></tr><tr><td>ID</td><td>14.01</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>029</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	12	G	46.3	L	85	SPL	12	ID	14.01	D	60	FAM	029	CW/CCW	Horário	<div><div>0651</div><div></div><div>APLICAÇÃO Application / Aplicación Pg. 171</div></div>	<div><div>1.01.0651.0</div><div><table><tr><td>T</td><td>9</td></tr><tr><td>G</td><td>34.4</td></tr><tr><td>L</td><td>85</td></tr><tr><td>SPL</td><td>12</td></tr><tr><td>ID</td><td>14</td></tr><tr><td>D</td><td>60</td></tr><tr><td>FAM</td><td>029</td></tr><tr><td>CW/CCW</td><td>Horário</td></tr></table></div></div>	T	9	G	34.4	L	85	SPL	12	ID	14	D	60	FAM	029	CW/CCW	Horário
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G	34.8																																																																						
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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

0661  APLICAÇÃO Application / Aplicación Pg. 171	1.01.0661.0		0668  APLICAÇÃO Application / Aplicación Pg. 171	1.01.0668.0		0669  APLICAÇÃO Application / Aplicación Pg. 171	1.01.0669.0		0670  APLICAÇÃO Application / Aplicación Pg. 171	1.01.0670.0	
	T	10		T	10		T	13		T	13
	G	39		G	40		G	40		G	40
	L	91		L	84		L	109		L	100
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	14.3		ID	14.3		ID	17		ID	17
	D	60		D	54.5		D	60		D	60
	FAM	014		FAM	015		FAM	044		FAM	043
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0721  APLICAÇÃO Application / Aplicación Pg. 172	1.01.0721.0		0722  APLICAÇÃO Application / Aplicación Pg. 172	1.01.0722.0		0748  APLICAÇÃO Application / Aplicación Pg. 172	1.01.0748.0		0755  APLICAÇÃO Application / Aplicación Pg. 172		
	T	10		T	10		T	10		T	10
	G	40		G	32		G	37.8		G	39.67
	L	85.5		L	85.5		L	91		L	98
	SPL	12		SPL	12		SPL	10		SPL	3
	ID	14.01		ID	14		ID	14.3		ID	14.29
	D	60		D	60		D	60		D	59.9
	FAM	043		FAM	043		FAM	014		FAM	020
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0758  APLICAÇÃO Application / Aplicación Pg. 172	1.01.0758.0		0776  APLICAÇÃO Application / Aplicación Pg. 173	1.01.0776.0		0778  APLICAÇÃO Application / Aplicación Pg. 173	1.01.0778.0		0783  APLICAÇÃO Application / Aplicación Pg. 173	1.01.0783.0	
	T	9		T	12		T	11		T	9
	G	29.64		G	46.3		G	56.7		G	25.8
	L	77.5		L	118		L	118		L	72
	SPL	8		SPL	19		SPL	19		SPL	3
	ID	10.7		ID	19		ID	19		ID	12
	D	46.5		D	58.4		D	58.4		D	43.5
	FAM	113		FAM	051		FAM	051		FAM	017
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0784  APLICAÇÃO Application / Aplicación Pg. 173	1.01.0784.0		0813  APLICAÇÃO Application / Aplicación Pg. 173	1.01.0813.0		0814  APLICAÇÃO Application / Aplicación Pg. 173	1.01.0814.0		0818  APLICAÇÃO Application / Aplicación Pg. 174	1.01.0818.0	
	T	9		T	10		T	10		T	9
	G	29.64		G	40		G	40		G	29.6
	L	91		L	108.5		L	91		L	83
	SPL	10		SPL	4		SPL	10		SPL	-
	ID	14.3		ID	17		ID	14.26		CT	40
	D	60		D	60		D	60		D	-
	FAM	015		FAM	041		FAM	015		FAM	124
	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

0850  APLICAÇÃO Application / Aplicación Pg. 174	1.01.0850.0		0853  APLICAÇÃO Application / Aplicación Pg. 174	1.01.0853.0		0858  APLICAÇÃO Application / Aplicación Pg. 174			0879  APLICAÇÃO Application / Aplicación Pg. 174	1.01.0879.0	
	T	9		T	8		T	12		T	13
	G	36.5		G	28.2		G	46.36		G	49.7
	L	80		L	70.5		L	98		L	118
	SPL	12		SPL	8		SPL	3		SPL	19
	ID	14		ID	12		ID	14.29		ID	19
	D	60		D	46.5		D	59.9		D	58.4
	FAM	029		FAM	047		FAM	020		FAM	051
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0887  APLICAÇÃO Application / Aplicación Pg. 175	1.01.0887.0		0888  APLICAÇÃO Application / Aplicación Pg. 175	1.01.0888.0		0893  APLICAÇÃO Application / Aplicación Pg. 175	1.01.0893.0		0894  APLICAÇÃO Application / Aplicación Pg. 175	1.01.0894.0	
	T	20		T	11		T	10		T	11
	G	14.7		G	41.99		G	31.7		G	40.6
	L	110		L	98		L	64		L	84
	SPL	5		SPL	3		SPL	10		SPL	12
	ID	-		ID	14.29		ID	12		ID	15
	D	60		D	59.9		D	46.5		D	60
	FAM	128		FAM	011		FAM	001		FAM	043
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0902  APLICAÇÃO Application / Aplicación Pg. 175	1.01.0902.0		0906  APLICAÇÃO Application / Aplicación Pg. 175	1.01.0906.0		0914  APLICAÇÃO Application / Aplicación Pg. 176	1.01.0914.0		0929  APLICAÇÃO Application / Aplicación Pg. 176	1.01.0929.0	
	T	11		T	9		T	12		T	11
	G	41		G	33		G	46.3		G	35.8
	L	91		L	73.5		L	120.1		L	62
	SPL	12		SPL	6		SPL	19		SPL	10
	ID	14.26		ID	12		ID	15.9		ID	12
	D	60		D	46.5		D	-		D	54.5
	FAM	021		FAM	050		FAM	051		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário		CW/CCW	Horário
0930  APLICAÇÃO Application / Aplicación Pg. 176	1.01.0930.0		0943  APLICAÇÃO Application / Aplicación Pg. 176	1.01.0943.0		0947  APLICAÇÃO Application / Aplicación Pg. 176	1.01.0947.0		0948  APLICAÇÃO Application / Aplicación Pg. 177	1.01.0948.0	
	T	11		T	9		T	9		T	10
	G	56.7		G	38.4		G	29.64		G	40
	L	118		L	71		L	102		L	104
	SPL	19		SPL	8		SPL	-		SPL	18
	ID	19		ID	12		CT	40		ID	17
	D	58.4		D	46.3		D	-		D	60
	FAM	051		FAM	047		FAM	124		FAM	041
	CW/CCW	Anti-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

0950  APLICAÇÃO Application / Aplicación Pg. 177	1.01.0950.0		0958  APLICAÇÃO Application / Aplicación Pg. 177	1.01.0958.0		0970  APLICAÇÃO Application / Aplicación Pg. 177	1.01.0970.0		0978  APLICAÇÃO Application / Aplicación Pg. 177	1.01.0978.0	
	T	9		T	11		T	9		T	10
	G	29.6		G	30		G	36.5		G	40
	L	53.5		L	47		L	91		L	61
	SPL	5		SPL	6		SPL	10		SPL	10
	ID	11		ID	12		ID	14.3		ID	12
	D	41.5		D	46.5		D	60		D	60
	FAM	034		FAM	034		FAM	015		FAM	117
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
0985  APLICAÇÃO Application / Aplicación Pg. 178	1.01.0985.0		0996  APLICAÇÃO Application / Aplicación Pg. 178	1.01.0996.0		1013  APLICAÇÃO Application / Aplicación Pg. 178	1.01.1013.0		1030  APLICAÇÃO Application / Aplicación Pg. 178	1.01.1030.0	
	T	9		T	10		T	10		T	11
	G	36.5		G	32		G	39.67		G	29.5
	L	85.5		L	64		L	102		L	49
	SPL	12		SPL	10		SPL	19		SPL	10
	ID	14		ID	12		ID	15.9		ID	12
	D	60		D	46.5		D	58.4		D	54.5
	FAM	043		FAM	001		FAM	051		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1038  APLICAÇÃO Application / Aplicación Pg. 178	1.01.1038.0		1046  APLICAÇÃO Application / Aplicación Pg. 178	1.01.1046.0		1059  APLICAÇÃO Application / Aplicación Pg. 179	1.01.1059.0		1060  APLICAÇÃO Application / Aplicación Pg. 179	1.01.1060.0	
	T	9		T	20		T	9		T	10
	G	34.8		G	14.7		G	34.8		G	40
	L	83		L	126		L	83		L	85
	SPL	10		SPL	10		SPL	10		SPL	10
	ID	14.3		ID	-		ID	14.3		ID	14.26
	D	60		D	65		D	60		D	60
	FAM	082		FAM	134		FAM	029		FAM	029
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1065  APLICAÇÃO Application / Aplicación Pg. 179	1.01.1065.0		1071  APLICAÇÃO Application / Aplicación Pg. 179	1.01.1071.0		1073  APLICAÇÃO Application / Aplicación Pg. 179	1.01.1073.0		1076  APLICAÇÃO Application / Aplicación Pg. 180	1.01.1076.0	
	T	9		T	10		T	9		T	9
	G	29.64		G	27.5		G	34.8		G	34.8
	L	58.5		L	58.5		L	83		L	86.9
	SPL	10		SPL	10		SPL	10		SPL	3
	ID	12		ID	12		ID	14.3		ID	14.29
	D	46.5		D	52.7		D	60		D	54.5
	FAM	100		FAM	094		FAM	027		FAM	021
	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

1090  APLICAÇÃO Application / Aplicación Pg. 180	1.01.1090.0		1112  APLICAÇÃO Application / Aplicación Pg. 180	1.01.1112.0		1134  APLICAÇÃO Application / Aplicación Pg. 180	1.01.1134.0		1157  APLICAÇÃO Application / Aplicación Pg. 180	1.01.1157.0	
	T	10		T	9		T	10		T	9
	G	32.1		G	36.5		G	27.94		G	34.8
	L	80		L	85.5		L	55		L	83
	SPL	10		SPL	12		SPL	9		SPL	10
	ID	14		ID	14		ID	12.1		ID	14.3
	D	60		D	60		D	46.5		D	60
	FAM	046		FAM	043		FAM	117		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1180  APLICAÇÃO Application / Aplicación Pg. 180	1.01.1180.0		1190  APLICAÇÃO Application / Aplicación Pg. 181	1.01.0491.1		1194  APLICAÇÃO Application / Aplicación Pg. 181	1.01.0629.1		1195  APLICAÇÃO Application / Aplicación Pg. 181	1.01.0649.1	
	T	10		T	10		T	10		T	10
	G	27.5		G	40.4		G	32		G	40
	L	70.2		L	118		L	85		L	85
	SPL	10		SPL	19		SPL	12		SPL	12
	ID	12		ID	15.9		ID	14		ID	14
	D	54.5		D	-		D	60		D	60
	FAM	015		FAM	051		FAM	029		FAM	029
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1196  APLICAÇÃO Application / Aplicación Pg. 181	1.01.0650.1		1204  APLICAÇÃO Application / Aplicación Pg. 181	1.01.0778.1		1205  APLICAÇÃO Application / Aplicación Pg. 182	1.01.0780.1 /		1210  APLICAÇÃO Application / Aplicación Pg. 182	1.01.0870.1	
	T	12		T	11		T	12		T	11
	G	46.3		G	56.7		G	46.3		G	56.7
	L	85		L	118		L	102		L	102
	SPL	12		SPL	19		SPL	19		SPL	19
	ID	14		ID	19		ID	15.9		ID	15.9
	D	60		D	58.4		D	58.4		D	58.4
	FAM	029		FAM	051		FAM	051		FAM	051
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1224  APLICAÇÃO Application / Aplicación Pg. 182	1.01.0620.2		1359  APLICAÇÃO Application / Aplicación Pg. 182	1.01.0024.4		1364  APLICAÇÃO Application / Aplicación Pg. 183	1.01.0105.4		1502  APLICAÇÃO Application / Aplicación Pg. 183	1.01.1502.0	
	T	10		T	10		T	9		T	11
	G	27.9		G	40		G	34.8		G	41
	L	46.6		L	79.5		L	91		L	95.5
	SPL	12		SPL	6		SPL	10		SPL	12
	ID	12		ID	14.3		ID	14.3		ID	14.26
	D	45.3		D	60		D	60		D	60
	FAM	115		FAM	020		FAM	014		FAM	040
	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

1556  APLICAÇÃO Application / Aplicación Pg. 183	1.01.1556.0	1592  APLICAÇÃO Application / Aplicación Pg. 183	1.01.1592.0	1595  APLICAÇÃO Application / Aplicación Pg. 184	1.01.1595.0	1596  APLICAÇÃO Application / Aplicación Pg. 184	1.01.1596.0
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D
1600  APLICAÇÃO Application / Aplicación Pg. 184	1.01.1600.0	1602  APLICAÇÃO Application / Aplicación Pg. 184	1.01.1602.0	1603  APLICAÇÃO Application / Aplicación Pg. 184	1.01.1603.0	1604  APLICAÇÃO Application / Aplicación Pg. 185	1.01.1604.0
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D
1616  APLICAÇÃO Application / Aplicación Pg. 185	1.01.1616.0	1621  APLICAÇÃO Application / Aplicación Pg. 185	1.01.1621.0	1622  APLICAÇÃO Application / Aplicación Pg. 186	1.01.1622.0	1624  APLICAÇÃO Application / Aplicación Pg. 186	1.01.1624.0
	T		T		T		T
	G		G		G		G
	L		L		L		L
	SPL		SPL		SPL		SPL
	ID		ID		ID		ID
	D		D		D		D
1631  APLICAÇÃO Application / Aplicación Pg. 186	1.01.1631.0	1633  APLICAÇÃO Application / Aplicación Pg. 186	1.01.1633.0	1635  APLICAÇÃO Application / Aplicación Pg. 186	1.01.1635.0	1636  APLICAÇÃO Application / Aplicación Pg. 186	1.01.1636.0
	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

1637  APLICAÇÃO Application / Aplicación Pg. 187	1.01.1637.0		1638  APLICAÇÃO Application / Aplicación Pg. 187	1.01.1638.0		1647  APLICAÇÃO Application / Aplicación Pg. 187	1.01.1647.0		1655  APLICAÇÃO Application / Aplicación Pg. 187	1.01.1655.0	
	T	10		T	9		T	10		T	10
	G	40		G	34.8		G	32.1		G	27.94
	L	80		L	69.5		L	117.4		L	105.5
	SPL	10		SPL	10		SPL	6		SPL	16
	ID	14.01		ID	12		ID	12.06		ID	12
	D	60.4		D	52.7		D	59		D	54.5
	FAM	046		FAM	094		FAM	141		FAM	079
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
1656  APLICAÇÃO Application / Aplicación Pg. 187	1.01.1656.0		1678  APLICAÇÃO Application / Aplicación Pg. 187	1.01.1678.0		1679  APLICAÇÃO Application / Aplicación Pg. 188	1.01.1679.0		1690  APLICAÇÃO Application / Aplicación Pg. 188	1.01.1690.0	
	T	9		T	10		T	21		T	10
	G	36.3		G	40		G	16.5		G	40
	L	37.5		L	81.8		L	131.3		L	59.4
	SPL	6		SPL	10		SPL	7		SPL	10
	ID	13.1		ID	14.26		ID	-		ID	12
	D	39.5		D	60.4		D	60		D	52.9
	FAM	042		FAM	091		FAM	128		FAM	094
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1693  APLICAÇÃO Application / Aplicación Pg. 189	1.01.1693.0		1698  APLICAÇÃO Application / Aplicación Pg. 189	1.01.1698.0		1699  APLICAÇÃO Application / Aplicación Pg. 189	1.01.1699.0		1700  APLICAÇÃO Application / Aplicación Pg. 190	1.01.1700.0	
	T	10		T	11		T	9		T	10
	G	40.4		G	41		G	34.8		G	39.3
	L	72.7		L	81.8		L	75.9		L	75.6
	SPL	10		SPL	10		SPL	14		SPL	14
	ID	12.06		ID	14.26		ID	14.26		ID	14.26
	D	60.4		D	60.4		D	60.4		D	60.4
	FAM	130		FAM	091		FAM	091		FAM	091
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1701  APLICAÇÃO Application / Aplicación Pg. 190	1.01.1701.0		1709  APLICAÇÃO Application / Aplicación Pg. 190	1.01.1709.0		1711  APLICAÇÃO Application / Aplicación Pg. 191	1.01.1711.0		1713  APLICAÇÃO Application / Aplicación Pg. 191	1.01.1713.0	
	T	10		T	10		T	9		T	13
	G	40		G	32		G	33.8		G	46
	L	85.6		L	75.9		L	87.2		L	54.9
	SPL	14		SPL	14		SPL	6		SPL	9
	ID	14.26		ID	14.26		ID	14.01		ID	12.06
	D	60.4		D	60.4		D	60.5		D	46.6
	FAM	091		FAM	091		FAM	017		FAM	117
	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

1719  APLICAÇÃO Application / Aplicación Pg. 191	1.01.1719.0		1722  APLICAÇÃO Application / Aplicación Pg. 191	1.01.1722.0		1726  APLICAÇÃO Application / Aplicación Pg. 191	1.01.1726.0		1733  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1733.0	
	T	10		T	18		T	11		T	11
	G	40		G	12.7		G	41		G	39.67
	L	74.9		L	102		L	80.4		L	74
	SPL	6		SPL	-		SPL	6		SPL	10
	ID	15		CT	40		ID	15		ID	14.01
	D	59.5		D	-		D	59.5		D	60.5
	FAM	046		FAM	124		FAM	046		FAM	046
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1744  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1744.0		1751  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1751.0		1753  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1753.0		1754  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1754.0	
	T	11		T	9		T	11		T	10
	G	39.67		G	34.8		G	39.67		G	31.8
	L	62		L	82.2		L	55.4		L	115.5
	SPL	5		SPL	6		SPL	3		SPL	14
	ID	12.51		ID	14.15		ID	12.65		ID	12
	D	46.6		D	60.4		D	46.5		D	59.5
	FAM	047		FAM	091		FAM	016		FAM	091
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1772  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1772.0		1796  APLICAÇÃO Application / Aplicación Pg. 192	1.01.1796.0		1805  APLICAÇÃO Application / Aplicación Pg. 193	1.01.1805.0		1809  APLICAÇÃO Application / Aplicación Pg. 193	1.01.1809.0	
	T	10		T	9		T	21		T	23
	G	39.67		G	34.1		G	16.5		G	17.5
	L	76		L	38.6		L	131.3		L	144.2
	SPL	10		SPL	10		SPL	6		SPL	6
	ID	14.29		ID	12.51		ID	-		ID	13.01
	D	59.5		D	46.5		D	60		D	69.5
	FAM	094		FAM	117		FAM	128		FAM	142
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1810  APLICAÇÃO Application / Aplicación Pg. 194	1.01.1810.0		1811  APLICAÇÃO Application / Aplicación Pg. 194	1.01.1811.0		1828  APLICAÇÃO Application / Aplicación Pg. 194	1.01.1828.0		1829  APLICAÇÃO Application / Aplicación Pg. 195	1.01.1829.0	
	T	28		T	23		T	-		T	13
	G	20.1		G	17.5		G	-		G	39.5
	L	148		L	144.2		L	91.9		L	146.3
	SPL	6		SPL	6		SPL	-		SPL	-
	ID	13.01		ID	13.01		CT	35		CT	35
	D	71.9		D	71.9		D	-		D	-
	FAM	142		FAM	142		FAM	144		FAM	144
	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





1831  APLICAÇÃO Application / Aplicación Pg. 195	1.01.1831.0		1837  APLICAÇÃO Application / Aplicación Pg. 195	1.01.1837.0		1846  APLICAÇÃO Application / Aplicación Pg. 195	1.01.1846.0		1878  APLICAÇÃO Application / Aplicación Pg. 196	1.01.1878.0	
	T	10		T	10		T	10		T	11
	G	40		G	40		G	40.8		G	43.5
	L	146.3		L	164.6		L	110		L	83
	SPL	-		SPL	6		SPL	-		SPL	10
	CT	35		ID	12.06		CT	40		ID	14.26
	D	-		D	59.5		D	-		D	60
	FAM	144		FAM	141		FAM	124		FAM	094
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1880  APLICAÇÃO Application / Aplicación Pg. 196	1.01.1880.0		1881  APLICAÇÃO Application / Aplicación Pg. 196	1.01.1881.0		1883  APLICAÇÃO Application / Aplicación Pg. 196			1885  APLICAÇÃO Application / Aplicación Pg. 196		
	T	10		T	12		T	9		T	9
	G	31.8		G	37.18		G	36		G	29.5
	L	64		L	80.4		L	100		L	75
	SPL	6		SPL	6		SPL	-		SPL	5
	ID	12		ID	15		CT	41		ID	11.02
	D	43.5		D	60		D	-		D	41.5
	FAM	047		FAM	046		FAM	145		FAM	147
	CW/CCW	Anti-horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Anti-horário
1898  APLICAÇÃO Application / Aplicación Pg. 196			1928  APLICAÇÃO Application / Aplicación Pg. 197			1929  APLICAÇÃO Application / Aplicación Pg. 197			1936  APLICAÇÃO Application / Aplicación Pg. 197		
	T	9		T	10		T	11		T	21
	G	34.8		G	32		G	41		G	16.5
	L	64.9		L	96		L	58.5		L	167.5
	SPL	14		SPL	3		SPL	10		SPL	7
	ID	12		ID	14.26		ID	12		ID	-
	D	54.5		D	60		D	53		D	60
	FAM	091		FAM	020		FAM	094		FAM	163
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
1937  APLICAÇÃO Application / Aplicación Pg. 197			1944  APLICAÇÃO Application / Aplicación Pg. 198			1948  APLICAÇÃO Application / Aplicación Pg. 198			1951  APLICAÇÃO Application / Aplicación Pg. 198		
	T	10		T	13		T	13		T	11
	G	32		G	46		G	46		G	41
	L	82.8		L	53		L	107.5		L	82
	SPL	16		SPL	14		SPL	16		SPL	10
	ID	11		ID	12		ID	17.03		ID	14.26
	D	50.5		D	54.5		D	72.2		D	60
	FAM	079		FAM	091		FAM	033		FAM	027
	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

1952  APLICAÇÃO Application / Aplicación Pg. 198	T	11	1957  APLICAÇÃO Application / Aplicación Pg. 198	T	11	1960  APLICAÇÃO Application / Aplicación Pg. 199	T	9	1961  APLICAÇÃO Application / Aplicación Pg. 199	T	11
	G	40		G	29.3		G	32.2		G	38.4
	L	83		L	102		L	100		L	146.3
	SPL	10		SPL	-		SPL	-		SPL	-
	ID	14.3		CT	40		CT	41		CT	35
	D	60		D	-		D	-		D	-
	FAM	082		FAM	124		FAM	122		FAM	144
1971  APLICAÇÃO Application / Aplicación Pg. 199	T	11	1972  APLICAÇÃO Application / Aplicación Pg. 199	T	9	1973  APLICAÇÃO Application / Aplicación Pg. 199	T	11	1979  APLICAÇÃO Application / Aplicación Pg. 200	T	9
	G	34.4		G	34.8		G	41.99		G	34.8
	L	83		L	102		L	102		L	82.1
	SPL	10		SPL	-		SPL	-		SPL	10
	ID	14.26		CT	40		CT	40		ID	14.26
	D	60		D	-		D	-		D	60.4
	FAM	082		FAM	124		FAM	124		FAM	091
1980  APLICAÇÃO Application / Aplicación Pg. 200	T	10	1988  APLICAÇÃO Application / Aplicación Pg. 200	T	12	1992  APLICAÇÃO Application / Aplicación Pg. 201	T	9	1994  APLICAÇÃO Application / Aplicación Pg. 201	T	10
	G	39.5		G	37.18		G	34.8		G	39.67
	L	82		L	75.3		L	54.3		L	136.8
	SPL	10		SPL	5		SPL	10		SPL	10
	ID	14.26		ID	11		ID	12		ID	14.24
	D	60.4		D	41.5		D	52.7		D	60.4
	FAM	091		FAM	050		FAM	094		FAM	091
2003  APLICAÇÃO Application / Aplicación Pg. 201	T	10	2007  APLICAÇÃO Application / Aplicación Pg. 201	T	11	2009  APLICAÇÃO Application / Aplicación Pg. 202	T	9	2011  APLICAÇÃO Application / Aplicación Pg. 202	T	9
	G	32		G	41		G	29.64		G	34.8
	L	80.4		L	75.7		L	52		L	75.9
	SPL	6		SPL	14		SPL	14		SPL	14
	ID	15		ID	14.26		ID	12		ID	14.26
	D	60		D	60.4		D	53.5		D	60.4
	FAM	046		FAM	091		FAM	091		FAM	091
2003  APLICAÇÃO Application / Aplicación Pg. 201	T	10	2007  APLICAÇÃO Application / Aplicación Pg. 201	T	11	2009  APLICAÇÃO Application / Aplicación Pg. 202	T	9	2011  APLICAÇÃO Application / Aplicación Pg. 202	T	9
	G	32		G	41		G	29.64		G	34.8
	L	80.4		L	75.7		L	52		L	75.9
	SPL	6		SPL	14		SPL	14		SPL	14
	ID	15		ID	14.26		ID	12		ID	14.26
	D	60		D	60.4		D	53.5		D	60.4
	FAM	046		FAM	091		FAM	091		FAM	091

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

2012			2013			2015			2017		
	T	9		T	11		T	11		T	10
	G	34.8		G	40.5		G	40.5		G	33
	L	82.2		L	75.9		L	100		L	69.4
	SPL	10		SPL	14		SPL	-		SPL	10
	ID	14.26		ID	14.26		CT	41		ID	12.06
	D	60.4		D	60.4		D	-		D	54.5
	FAM	091		FAM	091		FAM	145		FAM	085
APLICAÇÃO Application / Aplicación Pg. 203		APLICAÇÃO Application / Aplicación Pg. 203		APLICAÇÃO Application / Aplicación Pg. 203		APLICAÇÃO Application / Aplicación Pg. 204					
CW/CCW	Horário	CW/CCW	Horário	CW/CCW	Horário	CW/CCW	Horário				

2018			2021			2027			2029		
	T	9		T	9		T	10		T	9
	G	29.6		G	34.8		G	37.8		G	36
	L	53.5		L	76.5		L	82		L	96
	SPL	10		SPL	10		SPL	10		SPL	-
	ID	12		ID	14.26		ID	14.26		CT	41
	D	46.5		D	60		D	60		D	-
	FAM	106		FAM	027		FAM	027		FAM	122
APLICAÇÃO Application / Aplicación Pg. 204		APLICAÇÃO Application / Aplicación Pg. 205		APLICAÇÃO Application / Aplicación Pg. 206		APLICAÇÃO Application / Aplicación Pg. 207					
CW/CCW	Anti-horário	CW/CCW	Horário	CW/CCW	Horário	CW/CCW	Horário				

2038			2049		
	T	10		T	9
	G	32		G	34.8
	L	56.5		L	52.6
	SPL	14		SPL	14
	ID	12		ID	12
	D	54.5		D	53.5
	FAM	091		FAM	091
APLICAÇÃO Application / Aplicación Pg. 207		APLICAÇÃO Application / Aplicación Pg. 207			
CW/CCW	Horário	CW/CCW	Horário		

T			G			L			FAM			CW/CCW		
Nº de Dentes # Of Pinon Teeth # De Los Dientes Del Pinón			ø Externo (mm) Pinon O.D. Piñon - ø Externa			Comprimento Total (mm) Length Largo			Família Family Familia			Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario		
0035			0036			0078			0087					
	T	9		T	11		T	13		T	11		T	11
	G	34.8		G	41		G	47		G	41		G	41
	L	120		L	120		L	61.1		L	61.1		L	61.1
	SPL	-		SPL	-		SPL	-		SPL	-		SPL	-
	FAM	053		FAM	053		FAM	054		FAM	054		FAM	054
APLICAÇÃO Application / Aplicación Pg. 208			APLICAÇÃO Application / Aplicación Pg. 208			APLICAÇÃO Application / Aplicación Pg. 208			APLICAÇÃO Application / Aplicación Pg. 208			APLICAÇÃO Application / Aplicación Pg. 208		
CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		
0088			0089			9028			9074					
	T	11		T	12		T	12		T	11		T	11
	G	56		G	46.3		G	46.3		G	56.7		G	56.7
	L	61.1		L	61.1		L	44.9		L	44.9		L	44.9
	SPL	-		SPL	-		SPL	-		SPL	-		SPL	-
	FAM	054		FAM	054		FAM	401		FAM	401		FAM	401
APLICAÇÃO Application / Aplicación Pg. 209			APLICAÇÃO Application / Aplicación Pg. 209			APLICAÇÃO Application / Aplicación Pg. 209			APLICAÇÃO Application / Aplicación Pg. 209			APLICAÇÃO Application / Aplicación Pg. 209		
CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		
9186			9260			9302			9403					
	T	9		T	9		T	13		T	9		T	9
	G	29.64		G	33		G	39.5		G	35.5		G	35.5
	L	25.2		L	23.5		L	36		L	36		L	36
	SPL	18		SPL	18		SPL	16		SPL	16		SPL	16
	FAM	410		FAM	408		FAM	402		FAM	402		FAM	402
APLICAÇÃO Application / Aplicación Pg. 210			APLICAÇÃO Application / Aplicación Pg. 210			APLICAÇÃO Application / Aplicación Pg. 210			APLICAÇÃO Application / Aplicación Pg. 210			APLICAÇÃO Application / Aplicación Pg. 210		
CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		
9426			9459			9495			9791					
	T	11		T	11		T	11		T	13		T	13
	G	34.8		G	34.4		G	34.8		G	51.1		G	51.1
	L	19		L	40		L	17.5		L	18.2		L	18.2
	SPL	18		SPL	16		SPL	18		SPL	20		SPL	20
	FAM	409		FAM	402		FAM	409		FAM	407		FAM	407
APLICAÇÃO Application / Aplicación Pg. 211			APLICAÇÃO Application / Aplicación Pg. 211			APLICAÇÃO Application / Aplicación Pg. 211			APLICAÇÃO Application / Aplicación Pg. 211			APLICAÇÃO Application / Aplicación Pg. 211		
CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário			CW/CCW Horário		

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

10048  APLICAÇÃO Application / Aplicación Pg. 211	T	10	12812  APLICAÇÃO Application / Aplicación Pg. 211	T	10	13117  APLICAÇÃO Application / Aplicación Pg. 212	T	11	13118  APLICAÇÃO Application / Aplicación Pg. 212	T	12
	G	40.8		G	32.6		G	56.7		G	46.53
	L	23.5		L	20.2		L	27		L	27
	SPL	18		SPL	20		SPL	28		SPL	28
	FAM	408		FAM	407		FAM	409		FAM	409
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário
13130  APLICAÇÃO Application / Aplicación Pg. 212	T	12	13131  APLICAÇÃO Application / Aplicación Pg. 212	T	11	13138  APLICAÇÃO Application / Aplicación Pg. 213	T	10		T	10
	G	46.36		G	56.7		G	39.67		G	39.67
	L	26		L	26		L	26		L	26
	SPL	23		SPL	23		SPL	23		SPL	23
	FAM	409		FAM	407		FAM	407		FAM	407
	CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário		CW/CCW	Horário

T	G	L	SPL	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 Estrías	Família Family Familia	Horário/Anti Horário Clockwise/Counter Clockwise Horario/Antihorario

0121	1.01.0121.0		0122	1.01.0122.0		0201	1.01.0201.0	
	T	-		T	-		T	-
	G	-		G	-		G	-
	L	-		L	-		L	-
	SPL	-		SPL	-		SPL	-
	FAM	057		FAM	059		FAM	066
	CW/CCW	-		CW/CCW	-		CW/CCW	-
APLICAÇÃO Application / Aplicación Pg. 214			APLICAÇÃO Application / Aplicación Pg. 214			APLICAÇÃO Application / Aplicación Pg. 214		

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
	CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 215		

12682		
	A	98.7
	B	17.3
	D	11.96
	d	8.04
	SPL	10
	CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 215		

13544		
	A	80.7
	B	-
	D	11.95
	d	10
	SPL	7
	CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 215		

13545		
	A	80.7
	B	-
	D	11.95
	d	10
	SPL	6
	CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 216		

13584		
	A	119.7
	B	16.3
	D	13.96
	d	8.04
	SPL	10
	CW/CCW	Horário
APLICAÇÃO Application / Aplicación Pg. 216		

13585		
	A	-
	B	-
	D	-
	d	-
	SPL	-
	CW/CCW	-
APLICAÇÃO Application / Aplicación Pg. 216		

0022

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Clark: Empilhadeira CFY40 Willys 6 cil ...1977 | Empilhadeira CFY50 Willys 6 cil ...1977

MOTOR

Wapsa: MPC1 | MALI1 | MALBD1 | MALBD2

EQUIVALENTE / Equivalent

Lucas Indiel: 223140 - Wapsa: 224002

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IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

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

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IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

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

MOTOR

Bosch: 0001354016 | 0001354064 | 0001354076

EQUIVALENTE / Equivalent

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

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IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

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 ô nibus 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

0039**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

John Deere: Trator Triunfo

MOTOR

Autolite Prestolite: MAY4147 | MBJ4115 - Remy: 728K | 1107117 | 1107146 | 1107513 | 1107537 | 1108105 | 1108108 | 1108110 | 1108451 | 1108452 | 1108453 | 1108454 | 1108456

EQUIVALENTE / Equivalent

Lester: 4056 | 4577 | 4678 | 5648 - Lucas Indiel: 223409 - Remy: D2001 | 1839099 | 1874133

0041**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Ford: Caminhão 1954...1960 - Massey Ferguson: MF1956 - New Holland: Super Major Diesel

MOTOR

Lucas Indiel: 26132A/F | 26132H/R | 26143A/H | 26143J/Q | 26172A/L

EQUIVALENTE / Equivalent

Lester: 16603 | 16604 | 16660 - Lucas: 291484 | TLB165 | 54244389 - WAI: 549219

0043**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Massey Ferguson: MF235 ...1986 | MF235 PER-A 3152 - Perkins: A3.152 Trator MF 235 | Motor Motor 4 e 6 cil | Trator MF 265

MOTOR

Bosch: 9000083000

EQUIVALENTE / Equivalent

Bosch: 9001083445 - Lucas: TNB445

0051**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Case: Pá Carregadeira - Detroit: Caminhão GM com Motor 4.53 | Pá Carregadeira Case com Motor 4.53

MOTOR

Remy: 1107251 | 1107343 | 1107344 | 1107504 | 1107510 | 1107527 | 1107534 | 1107538 | 1107553 | 1107567 | 1107581 | 1107587 | 1107588 | 1107600 | 1107875 | 1108239 | 1108636 | 1108641 | 1108643 | 1108652 | 1108653 | 1108661 | 1108692 | 1109140 | 1109196 | 1113007 | 1113010 | 1113013 | 1113038 | 1113050 | 1113052 | 1113056 | 1113059 | 1113064 | 1113066 | 1113075 | 1113084 | 1113089 | 1113097 | 1113099 | 1113100 | 1113101 | 1113110 | 1113111 | 1113116 | 1113121 | 1113124 | 1113128 | 1113130 | 1113133 | 1113136 | 1113137 | 1113142 | 1113143 | 1113145 | 1113150 | 1113153 | 1113154 | 1113156 | 1113157 | 1113158

EQUIVALENTE / Equivalent

Lester: 3276 | 3279 | 3280 | 3729 | 3793 | 3804 | 3852 | 3873 | 3943 | 3953 | 3977 | 3992 | 4280 | 4387 | 4882 | 4883 | 4893 | 4999 | 6181 | 6185 | 6188 | 6198 | 6519

Lucas Indiel: 223153 - Remy: D2017 | D2107 | D4123 | 1851430 | 1875852 | 1877353 | 1877354 | 1932890 | 1934488 | 1940134 | 1940138 | 1951180 | 1952486 | 1965358 | 1967042 - WAI: 54112

0052**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Case: Pá Carregadeira

MOTOR

Remy: 1107203 | 1107234 | 1107245 | 1107280 | 1107308 | 1107332 | 1107356 | 1107364 | 1107377 | 1107378 | 1107379 | 1107393 | 1107501 | 1107516 | 1107523 | 1107546 | 1107547 | 1107550 | 1107556 | 1107558 | 1107559 | 1107571 | 1107572 | 1107583 | 1107584 | 1107598 | 1107680 | 1107734 | 1107771 | 1107874 | 1107879 | 1108033 | 1108042 | 1108051 | 1108161 | 1108250 | 1108251 | 1108323 | 1108340 | 1108341 | 1108393 | 1108438 | 1108501 | 1108662 | 1108665 | 1108672 | 1108769 | 1109081 | 1109192 | 1109259 | 1117335 | 1117356 | 1117364 | 1117377

EQUIVALENTE / Equivalent

Lester: 3281 | 3282 | 3870 | 3883 | 3964 | 3966 | 4046 | 4098 | 4151 | 4167 | 4200 | 4201 | 4202 | 4217 | 4224 | 4239 | 4243 | 4244 | 4246 | 4249 | 4254 | 4283 | 4286 | 4326 | 4328 | 4388 | 4393 | 4408 | 4500 | 4506 | 4508 | 4509 | 4545 | 4597 | 4723 | 4996 | 6147 | 6148 | 6157 | 6180 | 6521 | 6740 - Remy: D2005 | D2009 | D2021 | 0800026 | 1852410 | 1852570 | 1852970 | 1892899 | 1929402 | 1930802 | 1935992 | 1946220 | 1952410 - WAI: 54136

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

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... - **Wilys:** Itamaraty 06/1970... | Jeep 06/1970... | Rural 06/1970...

MOTOR**Bosch:** 9000453055 - **Wapsa:** MPB3 | MPB4 | MALW3N**EQUIVALENTE / Equivalent****Bosch:** 9001453340 - **Volkswagen:** BD0A11350A - **Wapsa:** 224016**0059****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación**Asia Motors:** Compressor Deutz - **Deutz:** Atlas Copco compressor | Trator Demisa DM55 | Trator Demisa DM65**MOTOR****Bosch:** 9000083002 | 9000083030**EQUIVALENTE / Equivalent****Bosch:** 9001083442**0060****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación**CBT:** 1090 Perkins 6 cil - **Fiat:** 127 1.3D | 147 | Duna 60 / 70 | Fiorino | Uno - **Perkins:** Motor 4 e 6 cil**MOTOR****Bosch:** 9000083003 | 9000083013 | 9000083019 | 9000083040**EQUIVALENTE / Equivalent****Bosch:** 9001083441**0062****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Agrale: 4100 ...07/1977 | 416 ...07/1977 | 420 ...07/1977 | Motor Estacionário M70 ...07/1977 | Motor Estacionário M790 ...07/1977 | Motor Estacionário M80 ...07/1977 | Motor Estacionário M85 ...07/1977 | Motor Estacionário M90 ...07/1977 | Motor Estacionário M93 ...07/1977

MOTOR**Bosch:** 9000082004**EQUIVALENTE / Equivalent****Bosch:** 9001082127 | 9001082418**0064****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

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

0067**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación**Bedford:** 6C4 | 6D4 | 6RT | TD - **Massey Ferguson:** Especial/Special - **Perkins:** Estacionários | Industriais | Perkins | Tratores**MOTOR**

Lucas Indiel: 26236A/K | 26238A/L | 26248A/L | 26256A/E | 26259A/K | 26264A/F | 26271A/E | 26279A/E | 26281A/E | 26283A/F | 26285A/E | 26287A/E | 26288A/E | 26310A/D | 26310A/E | 26321A/B

EQUIVALENTE / Equivalent**Lester:** 16660 | 17641 - **Lucas:** TMB105 | 54246725 | 54259688 - **Lucas Indiel:** 223165 - **WAI:** SP84225

0073**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 123

APLICAÇÃO / Application / Aplicación

Clark: CHY100 GM 6 cil | CHY120 GM 6 cil | CHY140 GM 6 cil | CHY60 GM 6 cil | CHY70 GM 6 cil | CHY80 GM 6 cil

MOTOR

Wapsa: MPB5

EQUIVALENTE / Equivalent

Wapsa: 224025

0085**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

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

MOTOR

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

EQUIVALENTE / Equivalent

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

0086**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Clark: Empilhadeira CFY 40 1978... | Empilhadeira CFY50 1978...

MOTOR

Wapsa: MPC1N

EQUIVALENTE / Equivalent

Wapsa: 224031

0092**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Fiat: Caminhão 130 | Caminhão 160 | Caminhão 70 | Ônibus 100 | Ônibus 130 | Ônibus 70 - Fiat Allis: Trator de Esteiras ADB ...1978

MOTOR

Bosch: 9000083024 | 9000083025

EQUIVALENTE / Equivalent

Bosch: 9001083439

0093**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Clark: Empilhadeira com motor Detroit D478 - General Motors/Chevrolet: Caminhão D478 1996...1972

MOTOR

Ford: C5TF11000B | C6TF11000B | C6TZ11001A | C6TZ11002C | C7TF11000A - Remy: 1107214 | 1107234 | 1107249 | 1107268 | 1107290 | 1107291 | 1107382 | 1107503 | 1107511 | 1107512 | 1107515 | 1107533 | 1107539 | 1107540 | 1107557 | 1107561 | 1107575 | 1107580 | 1107582 | 1107591 | 1107592 | 1107593 | 1107696 | 1107857 | 1107859 | 1107867 | 1107872 | 1108240 | 1108280 | 1108322 | 1108379 | 1108396 | 1108397 | 1108415 | 1108431 | 1108443 | 1108447 | 1108449 | 1108476 | 1108493 | 1108632 | 1108634 | 1108644 | 1108648 | 1108649 | 1108667 | 1108696 | 1109023 | 1109194

EQUIVALENTE / Equivalent

Chrysler: 2525287 - Ford: C6TZ11350A - Lester: 3353 | 3362 | 3363 | 3365 | 3367 | 3511 | 3512 | 3708 | 3720 | 3726 | 3774 | 3898 | 3942 | 3972 | 3977 | 3986 | 3991 | 4191 | 4192 | 4241 | 4252 | 4265 | 4266 | 4267 | 4272 | 4274 | 4275 | 4276 | 4281 | 4284 | 4338 | 4385 | 4389 | 4392 | 4398 | 4399 | 4525 | 4537 | 4573 | 4828 | 4894 | 4898 | 4906 | 4941 | 4946 | 4949 | 4953 | 4971 | 4972 | 4973 | 4998 | 6179 | 6543 | 6730 - Lucas Indiel: 223185 - Remy: D2024 | D2025 | D2042 | 1852716 | 1876857 | 1877355 | 1933471 | 1941119 | 1941157 | 1942950 | 1950058 | 1964127 | 1966931 | 1968355 | 1971707 | 1975046 | 4019393 | 10498623 - WAI: 54137 | 54113S

0096**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Fordson: Tratores - Perkins: Estacionários | Industriais | Tratores

0096**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

MOTOR

Italacciai: 26211U - **Lucas Indiel:** 26211U | 26291E | 26312B | 26227R/V | 26265J/M | 26305D/N | 26316A/M | 26329A/L | 26338A/F | 26339A/K | 26341A/J | 26352A/L | 26379A/F | 26395A/H | 26430A/D | 26431A/B | 26312BM50 | 26431AM50 | 26211MTM50

EQUIVALENTE / Equivalent

Italacciai: SD401 - **Lester:** 16608 | 17646 | 17647 - **Lucas:** TMB115 | 54243783 | 54246738 | 54246896 | 54247187 - **Lucas Indiel:** 223187 - **WAI:** 549202

0097**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Case: Trator 180 - **Caterpillar:** 112F | 1140 V8 | 1145 V8 | 1150 V8 | 1160 V8 | 120 | 120G | 12F | 130G | 140 | 140G | 14E | 14G | 1670 | 1673 | 1674 | 1676 | 215 | 215B | 215C | 219 | 235B | 235C | 245D | 3208 | 3304 | 3306 | 508 | 518 | 528 | 615 | 615C | 621 | 627 | 627B | 627E | 637D | 637E | 814 | 814B | 815 | 816B | 825C | 910 | 916 | 920 | 926 | 926E | 930 | 936 | 936E | 941 | 950 | 950B | 950E | 951C | 955K | 955L | 963 | 963B | 966C | 966D | 973 | 977K | 980 | 980B | AH40 | AH46 | AH52 | AH60 | AM36 | AM40 | D4D | D4E | D4H | D5 | D5H | D6C | D6D | D7F | FB227 | Máquinas com motor D330C | Máquinas com motor D333C | Máquinas com motor D334C | Máquinas com motor D336C | Máquinas com motor D344C | Trator Challenger 65 e 70 | V160 | V160B | V180 | V180B | V200 | V225 | V250 | V250B | V300 | V300B | V330B - **Clark:** 101 | 125 | 125A | 125B | 125III | 175III | 275 | 301 | 45C | 55B | 55C | 55III | 7200S | 75B | 75C | 85CIII | 85III - **Cummins:** Séries 855 V 8.3L e V 9.1L | Séries L10 V 8.3L e V 9.1L | Séries L14 V 8.3L e V 9.1L - **Fiat Allis:** FW160 | FW170 | FW200 - **Hyster:** M600 Cummins - **Massey Ferguson:** Colheitadeira MF34 Dynapac - com motores Cummins 6CT, 6CTA e 6CTAA 8.3L | Colheitadeira MF38 Dynapac - com motores Cummins 6CT, 6CTA e 6CTAA 8.3L

MOTOR

Ford: C8ZF11000C | D3OZ11002A | D4TZ11002E | D3TF11000CA | D3TF11001CA - **Remy:** 1109624 | 1109628 | 1109637 | 1109638 | 1109998 | 1113353 | 1113366 | 1113371 | 1113378 | 1113386 | 1113393 | 1113407 | 1113472 | 1113477 | 1113628 | 1113631 | 1113670 | 1113827 | 1113848 | 1113853 | 1113891 | 1113904 | 1113928 | 1113934 | 1113943 | 1990366 | 1990379 | 1990413 | 1993795 | 1993796 | 10479009 | 10479178 | 10479260

EQUIVALENTE / Equivalent

Butec: 851073 | 852762 | 852961 - **Caterpillar:** 6N3827 - **Facet:** 480118 | 480411 - **Ford:** C8TZ11350B | C8TZ11350D | C9WF11350C | D4HF11350AA - **Lester:** 3288 | 3339 | 3352 | 3370 | 3374 | 3790 | 3948 | 3955 | 3971 | 3987 | 3990 | 3999 | 4997 | 6191 | 6197 | 6202 | 6224 | 6225 | 6227 | 6232 | 6233 | 6238 | 6242 | 6246 | 6249 | 6250 | 6251 | 6252 | 6253 | 6254 | 6259 | 6349 | 6355 | 6360 | 6361 | 6363 | 6371 | 6372 | 6373 | 6374 | 6516 | 6530 | 6544 | 6557 | 6558 | 6559 | 6566 | 6567 | 6568 | 6618 | 6636 | 6638 | 6639 | 6682 | 6683 | 6686 | 6687 | 6688 - **Lucas Indiel:** 223111 - **Remy:** 1114087 | 1893560 | 1894213 | 1936647 | 1946945 | 1946957 | 1970711 | 8000068 | 1893560L - **WAI:** 54124

0101**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Asia Motors: Compressor com motor Deutz 8 cil - **Atlas Copco:** Tratores com motor Deutz 8 cil - **Deutz:** Motores 8 cil

MOTOR

Bosch: 0001358051 | 0001359001 | 0001359003 | 0001359006 | 0001359007 | 0001359010 | 0001359019 | 0001359024 | 0001359040 | 0001359050 | 0001360002 | 0001360003 | 0001360009 | 0001360016

EQUIVALENTE / Equivalent

Bosch: 2006209109 | 2006209120 | 2006209302 - **Italacciai:** SD349 - **Lucas Indiel:** 223188 - **WAI:** 549107

0102**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Chrysler: Caminhão Dodge com motor Perkins 4 cil - **John Deere:** Trator 6600 | Trator 7500 | Tratores com motor Perkins 3 cil

MOTOR

Lucas Indiel: 35256034 | 35256425 | 35256433 | 35256519 | 35256520 | 35256637 | 35256900 | 35257188 | 35257720 | 35258930

EQUIVALENTE / Equivalent

Bosch: 1987BE0003 - **Lucas Indiel:** 227814 | 32557814 | 35255870 | 35256861 | 35257814

0105

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

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 314) | 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:** Colheiteadeira FNH 8040 MBB-OM352 | Colheiteadeira 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. 124

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. 124

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 | 16557 | 16593 | 16619 | 16621 | 16683 | 16684 | 16689 | 16722 | 16781 | 17031 | 17061 | 17122 - **Lucas:** TMB448 | TMB480 - **Lucas Indiel:** 221480 - **Volkswagen:** 059911335B | ZBC911335 | 78MU11350A - **WAI:** 549129

0110**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Caterpillar: 1670 Com motor Cummins | 1673 Com motor Cummins | 16G | 245 Com motor Cummins | 3406 | 3408 | 3412 | 3508 Com motor Cummins | 3512 Com motor Cummins | 3516 Com motor Cummins | 621B Com motor Cummins | 621E Com motor Cummins | 623B Com motor Cummins | 776 Com motor Cummins | 776B Com motor Cummins | 824C Com motor Cummins | 826C Com motor Cummins | 980C Com motor Cummins | 983B Com motor Cummins | D320 | D8N Com motor Cummins | IT14B Com motor Cummins | Máquinas equipadas com motor D311 | Máquinas equipadas com motor D320 | Máquinas equipadas com motor D330 | Máquinas equipadas com motor D333 | Máquinas equipadas com motor D342 | Máquinas equipadas com motor D343 | Pá carregadeira 120M | Pá carregadeira 180M | Pá Carregadeira 966

Clark: 110 | 110III | 110IIIIH | 180III | 210I | 210III | 280 | 280IIIA | 400 | 450 | 501 | 550 | 650 | 75III | 75IV | 85A | C500 - **Cummins:** Motor Cummins 42 MT 12/14V | Série 855 10.0L | Série V 9.1L | Séries 855 V 9.1L | Séries L 10.0L e 14.0L | Séries L10 V 9.1L | Séries L14 V 9.1L - **Hyster:** H150 | H150E | H165 | H165E | H180 | H180E | H200 | H200E | H200ES | H225 | H225E | H250A | H250E | H300 | H360A | H360AD | H400A | H400AD | H700 | H800A | M500 | M600 | P125A | P150A | P165A | P180A - **International:** Caminhões Série 9000 com motor Cummins M11 - **John Deere:** John Deere 42 MT - **Massey Ferguson:** Massey Ferguson - **Terex:** 81SH | 82SH | 83SH | 84SH | S11E | TS14 | TS14B | TTS14

MOTOR

Caterpillar: 7M8651 - **Chrysler:** 15056 | 15113 - **Ford:** C3TF11000A | C3TZ11001A | C4TF11000A | C4TZ11002A | C5TZ11002C | C6TF11001A | C9HZ11000C | D3TF11000A - **Leece Neville:** CATF11000A | CATZ110024 - **Remy:** 1109625 | 1109627 | 1109631 | 1109636 | 1109642 | 1109643 | 1109649 | 1109755 | 1109759 | 1113475 | 1113519 | 1113643 | 1113645 | 1113832 | 1113884 | 1113952 | 1113955 | 1113956 | 1113957 | 1113958 | 1113965 | 1113966 | 1113968 | 1113970 | 1113971 | 1113972 | 1113973 | 1113974 | 1113975 | 1113977 | 1113978 | 1113979 | 1113981 | 1113983 | 1113986 | 1113994 | 1113995 | 1113997 | 1114066 | 1114092 | 1114140 | 1114143 | 1114145 | 1114148 | 1114150 | 1114197 | 1990352 | 1990355 | 1990420 | 1990483 | 1990484 | 1990489 | 1990490 | 3383454 | 8200531 | 8201091 | 10478802 | 10478813 | 10478824 | 10478827 | 10478829 | 10478894 | 10478911 | 10478986 | 10478998 | 10479010 | 10479339 | 10479343

EQUIVALENTE / Equivalent

Butec: 851075 | 852763 | 852962 - **Caterpillar:** 6N3826 - **Chrysler:** 15056 | 15113 - **Facet:** 480117 | 480321 - **Ford:** EAB11350A | C2DZ11350A | C3DE11350A | C3TZ11350A | C8DF113504 | C9HE11350A | D4HF11350BA - **Lester:** 3041 | 3042 | 3043 | 3045 | 3047 | 3074 | 3296 | 3298 | 3299 | 3342 | 3712 | 3744 | 3745 | 3757 | 3766 | 3770 | 3785 | 3902 | 3905 | 3941 | 3958 | 3963 | 3974 | 3997 | 4600 | 4899 | 4927 | 4930 | 4937 | 4987 | 6203 | 6208 | 6229 | 6230 | 6231 | 6243 | 6245 | 6352 | 6356 | 6370 | 6378 | 6509 | 6511 | 6513 | 6538 | 6548 | 6549 | 6551 | 6552 | 6553 | 6554 | 6555 | 6556 | 6564 | 6565 | 6569 | 6619 | 6624 | 6625 | 6637 | 6671 | 6672 | 6684 | 6760 | 6762 | 6781 - **Lucas Indiel:** 223190 - **Remy:** 830620 | 1109625 | 1894211 | 1935487 | 1945487 | 1952083 | 1953373 | 1955777 | 1960370 | 1967779 | 8000066 | 830620L

WAI: 54123

0112**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación**Case:** Pá Carregadeira - **John Deere:** Tractor**EQUIVALENTE / Equivalent**

Cargo: 133545 - **Facet:** 10533 | 10632 | 10633 - **Lester:** 3300 | 4000 | 4100 | 4211 | 4248 | 4251 | 4268 | 4307 | 4318 | 4943 | 4994 | 4995 | 6164 | 6510 | 6707 | 6731 | 6733 | 6737 - **Lucas Indiel:** 223191 - **Remy:** D2037 | A43652 | 1877345 | 1947912 | 1968131 | 1970376 | 1971706 | 10479522 | 10497522 - **WAI:** 54138 | 54160

0117**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación**Case:** Trator 42 MT - **Caterpillar:** Caterpillar - **Clark:** Pá Carregadeira - **Cummins:** Empilhadeira Case 42MT 12/24V - **John Deere:** John Deere 42 MT**MOTOR**

Autolite Prestolite: MES6101K | MES6301K | MFJ6201J | MFY6201K | MFY6101AUT - **Bosch:** 0001420001 | 0001420003 | 0001420004 | 0001420005 | 0001420009 | 0001420013 | 0001420014 | 0001420015 | 0001420024 | 0001420025 | 0001421001 | 0001421002 | 0001421003 | 0001421004 | 0001421006 | 0001421008

Leece Neville: 7072MB | 7072MC | 7146MA | 7146MB | 7148MA - **Paris Rhone:** D13E117TE | D13E119TE | D13E120TE | D13E121TE | D13E122TE | D13E123TE

Prestolite: MES6301K - **Remy:** 1108898 | 1108987 | 1109158 | 1109169 | 1109170 | 1109172 | 1109178 | 1109184 | 1109229 | 1109230 | 1109233 | 1109235 | 1109236 | 1109249 | 1109736 | 1109741 | 1109746 | 1109801 | 1109869 | 1112775 | 1113127 | 1113311 | 1113312 | 1113313 | 1113326 | 1113327 | 1113329 | 1113330 | 1113335 | 1113337 | 1113359 | 1113602 | 1113603 | 1113605 | 1113607 | 1113617 | 1113620 | 1113621 | 1113744 | 1113774 | 1113775 | 1113794 | 1113816 | 1113822 | 1114024 | 1114028 | 1114036 | 1114043 | 1114044 | 1114045 | 1114955 | 1114976 | 1990335 | 1992019 - **Valeo:** D13E117TE | D13E118TE | D13E119TE | D13E120TE | D13E121TE | D13E122TE | D13E123TE

0117**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

EQUIVALENTE / Equivalent

Bosch: 2006202000 - **Butech:** 850363 | 852758 | 852957 - **Cargo:** 232632 - **Caterpillar:** 4N4517 - **Facet:** 480116 | 480410 - **Lester:** 3055 | 3064 | 3809 | 3884 | 3894 | 3895 | 3931 | 3949 | 4636 | 4731 | 4732 | 4733 | 4734 | 4747 | 4748 | 5597 | 6213 | 18020 | 18021 - **Lucas Indiel:** 223193 - **Paris Rhone:** 103066 - **Prestolite:** PD71
Remy: 1914341 | 1918866 | 1921998 | 1932526 | 1932545 | 1932605 - **Valeo:** NE711 | 103066 | 186621 - **WAI:** 54118

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

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 BT222 | Motor Estacionário BT233 | 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

0125**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Agrale: Mini Pá Carregadeira | Motor Estacionário M790 | Trator T4200 | Trator T4300 - **Bobcat:** Mini Pá Carregadeira com motor Agrale - **Clark:** Mini Pá Carregadeira

MOTOR

Bosch: 9000453013 | 9000453048 - **Wapsa:** MPB38

EQUIVALENTE / Equivalent

Bosch: 9001453349 - **Lucas:** TWB240 - **Wapsa:** 224040

0133

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 124

APLICAÇÃO / Application / Aplicación

Asia Motors: Compressor AX430 - **Case:** Pá Carregadeira W36 com motor Cummins e Scania | Pá Carregadeira W36B com motor Cummins e Scania | Trator Agrícola 2470 | Trator Agrícola 4490 - **Caterpillar:** Grupo Gerador 3304T | Grupo Gerador 3306T | Moto Scraper 631E | Motoniveladora 120B 3306 | Motoniveladora 140B 3306 | Pá Carregadeira 930 | Pá Carregadeira 966 | Trator de Esteiras 631E | Trator de Esteiras D4D | Trator de Esteiras D4E | Trator de Esteiras D5B | Trator de Esteiras D6C | Trator de Esteiras D6D | Trator de Esteiras D6E | Trator de Esteiras D8L - **Cummins:** Chassi p/ ônibus UC210 | Chassi p/ ônibus RC210 | Motor 250 Super | Motor 6C | Motor 6CT | Motor 6CTA | Motor N855 - **Fiat:** Caminhão 190 | Caminhão 190T | Caminhão 210 | Caminhão 180 - **Fiat Allis:** Trator de Esteiras AD14 com motor Scania

Fiat Iveco: Caminhão - **Komatsu:** Trator de Esteiras D60A com motor Cummins N855 | Trator de Esteiras D60E com motor Cummins N855 | Trator de Esteiras D60F com motor Cummins N855 | Trator de Esteiras D65A com motor Cummins N855 | Trator de Esteiras D65E com motor Cummins N855 - **Maferesa:** Trator M série M 210 com motor Cummins 6CTA 8.3 09/1991... | Trator M série M 240 com motor Cummins 6CTA 8.3 09/1991... - **Massey Ferguson:** Trator MF4780 com motor Scania DN11

Mercedes Benz: Caminhão 1520 | Caminhão 2020 OM355-5 | Caminhão 2624 | Caminhão MB856 | Caminhão MB858 | Caminhão MB866 | Caminhão MB868 | Caminhão/Ônibus 2220 | Caminhão/Ônibus 1419 | Caminhão/Ônibus 1420 | Caminhão/Ônibus 1517 | Caminhão/Ônibus 1518 | Caminhão/Ônibus 1519 | Caminhão/Ônibus 1524 | Caminhão/Ônibus 1525 | Caminhão/Ônibus 1924 | Caminhão/Ônibus 1924A | Caminhão/Ônibus 1929 | Caminhão/Ônibus 1932 | Caminhão/Ônibus 1933 | Caminhão/Ônibus 1934 | Caminhão/Ônibus 2019 | Caminhão/Ônibus 2219 | Caminhão/Ônibus 2624A | Chassi p/ Ônibus 1420 | Chassi p/ Ônibus 1517 | Chassi p/ Ônibus 1518 | Chassi p/ Ônibus O364 | Chassi p/ Ônibus O370 | Chassi p/ Ônibus O371 | Chassi p/ Ônibus O371UP | Chassi p/ Ônibus OH1419 | Motor Estacionário, gerador, industrial e marítimo OM314 | Motor Estacionário, gerador, industrial e marítimo OM352 | Motor Estacionário, gerador, industrial e marítimo OM352A | Motor Estacionário, gerador, industrial e marítimo O370 OM355-5, 6, 6A, 6LA | Motor Estacionário, gerador, industrial e marítimo O371 OM355-5A, 6A, 6LA | Motor Estacionário, gerador, industrial e marítimo O371UP OM355-5 | Ônibus O355 OM355-6 | Ônibus O364 OM355-5 e 6 | Ônibus O365 OM355-5 | Ônibus O371 | Ônibus O371UP | Ônibus O370 - **MWM:** Motor D232 | Motor TD232 - **Scania:** Caminhão 145 | Caminhão BR145 | Caminhão CR145L | Caminhão CR145T | Caminhão CR145X | Caminhão DS114 | Caminhão L D11 | Caminhão L DS11 | Caminhão LS D11 | Caminhão LS DS11 | Caminhão LT 110 D11 | Caminhão LT 110S DS11 | Chassi p/ ônibus K112 | Chassi p/ ônibus S112 | Chassi p/ ônibus BR116S | Motor DN11 industrial e marítimo | Motor DS11 industrial e marítimo | Motor DS14 industrial e marítimo | Ônibus BR115 05/1975... | Ônibus BR115S 05/1975... | Ônibus BR116 05/1975... | Ônibus BR116S 05/1975... - **Volkswagen:** Caminhão VW14.170 | Caminhão VW14.210 | Caminhão VW16.170 | Caminhão VW16.210 - **Volvo:** Caminhão 210 | Caminhão N10 | Caminhão N12 | Caminhão NL10 | Caminhão NL10-340 | Caminhão NL2-400 | Chassi p/ ônibus B10M | Chassi p/ ônibus B58E

MOTOR

Bosch: 0001410021 | 0001410041 | 0001410063 | 0001410089 | 9000084007 | 9000084008 | 9000084009 | 9000084010 | 9000084011 | 9000084012 | 9000084013 | 9000084014 | 9000084015 | 9000084016 | 9000084017 | 9000084018 | 9000084019 | 9000084020 | 9000084021 | 9000084022 | 9000084023 - **Remy:** 19024013 | 19024016 | 19024038 | 19024063 | 19024064 | 19024071 | 19024076 | 19024077 | 19024079 | 19024087 | 19024135 | 19024180 | 19024801

EQUIVALENTE / Equivalent

Bosch: 2003162001 | 2003162005 | 2003162006 | 2003162016 | 2006401527 - **Fiat:** 9926536 - **Lucas Indiel:** 223197 - **Remy:** 19024391 | 19024909 - **TJ:** 0842116 | 0842190 | 0846190 - **WAI:** 5491400

0134

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación

Case: Trator - **Ford:** Bedford - **Hyundai:** Pony - **Massey Ferguson:** Massey Ferguson

MOTOR

Lucas Indiel: 27423A | 27452A | 27475A | 26275F/K | 26280F/J | 26306E/H | 27412A/D | 27416A/D

EQUIVALENTE / Equivalent

Lester: 17642 - **Lucas:** TMB125 | 54247397 | 60600078 - **WAI:** 549218

0144

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación

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

MOTOR

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

EQUIVALENTE / Equivalent

Facet: 10127 - **Lester:** 16210 | 16500 | 16519 | 16520 | 16522 | 16524 | 16571 | 16588 | 16720 | 16742 | 18097 - **Lucas Indiel:** 223201 - **Mazda:** 022224722 | 175723709

Mitsubishi: K300 | K320 | MD02052 | MD600679 | MD602052 | MD602678 | MD602679 | MD6020599 | M191T30171 | M191T30971 | M191T30972 | M191T30973 | M191T33071 | M191T602052 | M191T602059 - **Nissan:** 23312E3010 - **WAI:** 548305 - **Ww:** 10127

0150**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Massey Ferguson:** Especial/Special - **New Holland:** Especial/Special | Trator - **Perkins:** Estacionários | Industriais | Tratores**MOTOR****Italacciai:** 26273E - **Lucas Indiel:** 26246M | 26290B | 26304D | 26323A | 26427A | 26273E/F | 26273H/M | 26274E/F | 26274H/N | 26294D/E | 26294F/Q | 26295D/Q | 26343A/K | 26344A/F | 26345A/J | 26351A/H | 26357A/E | 26358A/H | 26365A/F | 26366A/F | 26369A/J | 26374A/F | 26376A/L | 26378A/H | 26393A/F | 26403A/D | 26404A/D | 26408A/E | 26409A/E | 26410A/B | 26411A/B | 26414A/E | 26436A/B | 26246MM50 | 26323AM50 | 26427AM50 | 26404ADM50**EQUIVALENTE / Equivalent****Italacciai:** SD198 - **Lester:** 16670 | 17071 | 17072 | 17649 | 17650 | 17651 | 17652 - **Lucas:** TMB100 | 54244938 | 54246285 | 54246654 | 60600066 - **Lucas Indiel:** 223205 - **WAI:** 549203**0155****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Ford:** Trator 2000 | Trator 3000 | Trator 8000 73 - **Perkins:** Estacionários | Industriais | Tratores**MOTOR****Lucas Indiel:** 27510 | 27573 | 27574 | 26236L | 26248M | 26256H | 26260E | 26285F | 26288F | 26412A | 26413A | 26422A | 27245A | 27403A | 27407A | 27408A | 27414A | 27435A | 27439A | 27446A | 27459A | 27469A | 27513A | 27568A | 27583D | 26238M/Q | 26259L/N | 26264H/K | 26271F/J | 26279F/K | 26281F/J | 26283H/K | 26310E/F | 26321D/F | 26347A/B | 26364A/F | 26370B/E | 26375A/D | 26387A/E | 26391A/B | 27409A/D | 27411A/B | 27415A/D | 27417A/D | 27420A/B | 27424A/B | 27426A/F | 27427A/E | 27429A/B | 27432A/E | 27433A/D | 27461A/B | 27464A/B | 27468A/B | 27470A/B | 27474A/B | 27502A/D | 27503A/D | 27514A/B | 27515A/E | 27518A/E | 27519A/D | 27522A/D | 27523A/D | 27524A/B | 27525A/B | 27526A/D | 27527A/B | 27532A/D | 27536A/D | 27537A/B | 27538A/D | 27539A/F | 27540A/H | 27541A/D | 27550A/B | 27559A/E | 27565B/D | 27570A/B | 27571A/B | 27572A/B | 26287F/J**EQUIVALENTE / Equivalent****Bosch:** 1987BE0024 - **Cargo:** 130452 - **Italacciai:** SD303 - **Lester:** 16606 | 16660 | 16670 | 17072 | 17639 | 17640 | 17641 | 17644 | 17645 | 17649 | 17651 | 17652 | 17653 - **Lucas:** TMB120 | TNB108 | TNB165 | 54247034 | 54247036 | 54268141 | 54294922 | 60600024 - **Lucas Indiel:** 228141 - **WAI:** 549200**0163****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Agrale:** Caminhão TX1100 M790 | Motor Estacionário M70 08/1977... | Motor Estacionário M790 08/1977... | Motor Estacionário M80 08/1977... | Motor Estacionário M85 08/1977... | Motor Estacionário M90 08/1977... | Motor Estacionário M93ID 08/1977... | Trator 4100 08/1977... | Trator 416 08/1977... | Trator 420 08/1977...**MOTOR****Bosch:** 9000082028**EQUIVALENTE / Equivalent****Bosch:** 9001082401 - **Lucas:** TMB401**0182****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Massey Ferguson:** Colheiteadeira MF | Trator MF - **TCM Equipment Ag:** Série 42MT 24V com motor Detroit**MOTOR****Ford:** C8TF11000B | C8TZ11002A | E0HZ11002A | E0HT11000AA | E0HT11000AB - **Remy:** 1113852 | 1113871 | 1113873 | 1113940 | 1113941 | 1113985 | 1113988 | 1114052 | 1114077 | 1114094 | 1114101 | 1114146 | 1114154 | 1114168**EQUIVALENTE / Equivalent****Facet:** 10583 | 480417 - **Ford:** C8TZ11350A | C8WF11350A - **Lester:** 3758 | 3798 | 3945 | 3979 | 6257 | 6381 | 6500 | 6515 | 6547 | 6681 - **Lucas Indiel:** 223211 - **Remy:** 0800069 | 0800071 | 1893562 | 1894214 | 1894216 | 1947920 | 1950586 | 1971167 | 1893562L - **WAI:** 54122 - **Ww:** 480417**0186****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Hyster:** Empilhadeira com motor Perkins 4203 | Empilhadeira com motor Perkins 4236 | Empilhadeira com motor Perkins GM2500 4C | Empilhadeira com motor Perkins GM4100 6 cil - **Perkins:** Estacionários | Industriais | Tratores**MOTOR****Bosch:** 9000453007 | 9000453008 | 9000453044 | 9000453045 - **Wapsa:** MPB47 | MPB48**EQUIVALENTE / Equivalent****Bosch:** 9001453344 - **Lucas:** TWB245 - **Wapsa:** 224045

0188**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**TCM Equipment Ag:** Série 42MT 24V Allis Chalmer**MOTOR**

Autolite Prestolite: MES6102K | MFJ6301D | MFJ6306C | MES6103LUT | MFY6104CUT - **Bosch:** 0001370002 | 0001420002 | 0001420006 | 0001420007 | 0001420008 | 0001420010 | 0001420011 | 0001420026 | 0001420027 | 0001421007 | 0001421009 | 0001421010 - **Leece Neville:** 7082MA | 7086MA | 7086MB | 7120MA | 7186MB | M0017232MA | M0017234MA | M0017274MA - **Remy:** 1103809 | 1108894 | 1108895 | 1109234 | 1109237 | 1109248 | 1109762 | 1109767 | 1109823 | 1109874 | 1109891 | 1113606 | 1113612 | 1113619 | 1113730 | 1113731 | 1113736 | 1113741 | 1113747 | 1113751 | 1113772 | 1113773 | 1113781 | 1113782 | 1113785 | 1113805 | 1113809 | 1113815 | 1113885 | 1114041

EQUIVALENTE / Equivalent

Butec: 850629 | 852760 | 852959 - **Facet:** 480115 | 480320 - **Lester:** 3053 | 3056 | 3057 | 3058 | 3060 | 3061 | 3777 | 3846 | 3976 | 4749 | 4984 | 5311 | 6209 | 18022 | 18038 - **Lifan:** 101BMP2991 - **Lucas Indiel:** 223212 - **Prestolite:** PD8A - **Remy:** 1909514 | 1918079 | 1920669 | 1932031 | 1948764 | 1964300 | 1964302 | 1985129

Utms: DV202749 - **WAI:** 54114 | 54172 - **Ww:** 480115**0193****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Yale:** Empilhadeira 51CP Ford 6 cil | Empilhadeira 51P Ford 6 cil | Empilhadeira 83A Gm 6 cil**MOTOR****Wapsa:** MPE1 | MPB25 | MPB27**EQUIVALENTE / Equivalent****Bosch:** 9001453387 - **Wapsa:** 224011**0198****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Clark:** Empilhadeira**0216****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación

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

MOTOR**Italacciai:** D11E156 - **Paris Rhone:** D11E156**EQUIVALENTE / Equivalent****Italacciai:** SD813 - **Lester:** 16715 - **Lucas Indiel:** 223482 - **Paris Rhone:** 95956 - **WAI:** 549413**0217****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Peugeot:** 403 Diesel | 404 Diesel | 504 Diesel - **Renault:** Trator R7201 | Trator R85 | Trator R87**MOTOR****Italacciai:** D11E079 - **Paris Rhone:** D11E79 | D11E105 | D11E109 | D11E110 | D11E115 | D11E142 | D11E143**EQUIVALENTE / Equivalent****Bendix:** 333418 - **Italacciai:** SD192 - **Paris Rhone:** 55105 | 70672 - **Valeo:** NE156**0223****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 2600TT - **BMW:** 1500 | 1502 | 1600 | 1602 | 1800 | 1800T | 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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

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**0224****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Harvester:** D 430 | D 432 | D 439**MOTOR****Bosch:** 0001354026 | 0001354032**EQUIVALENTE / Equivalent****Bosch:** 2006208014 | 2006209031 | 2006209185 | 2006209901 - **Italacciai:** SD015**0225****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Alfa Romeo:** Alfetta 2.0 turbo diesel - **KHD:** F1L410 | F2L410 | F2L411 | F3L912 | FHL912 - **Lamborghini:** 503DT | 603DT | R503 | R603**MOTOR****Bosch:** 0001358017 | 0001358038 | 0001358046 | 0001358047**EQUIVALENTE / Equivalent****Bosch:** 2006209071 | 2006209366 | 2006209386 | 2006209916 - **Fiat:** 8122123 - **Italacciai:** SD013 - **Lester:** 17074 | 17112 - **WAI:** 549148**0226****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 125

APLICAÇÃO / Application / Aplicación**Atlas Copco:** Especial/Special - **KHD:** D4005 | D4505 | D5005 | D5505 | F3L812 | F4L812 - **Lamborghini:** 7R | 7R DT | R355 DT**MOTOR****Bosch:** 0001354010 | 0001358018 | 0001358020 | 0001358027 | 0001358033**EQUIVALENTE / Equivalent****Bosch:** 2006209013 | 2006209072 | 2006209073 | 2006209388 | 2006209917 - **Italacciai:** SD038**0291****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación**Massey Ferguson:** E7C | MF155 | MF158 | MF168 | MF186 | MF187 | MF188 | MF487 | MF507 | MF510 | MF520 | MF525 | MF87 | SC50 | SM6A | SM6B | SM6C | SM7 | SM8 | SM8TU - **Perkins:** Estacionários | Industriais | Tratores - **Volvo:** Especial/Special**MOTOR****Bosch:** 0001359002 | 0001359008 | 0001359009 | 0001359011 | 0001359020 | 0001359034 | 0001360013 | 0001360020 | 9000143101**EQUIVALENTE / Equivalent****Bosch:** 2006209111 | 2006209305 | 2006209345 - **WAI:** 549112

0304**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

John Deere: 1020U | 2030OU | JD300 | JD310 | JD350 | JD400 | JD450 | MD1020 | MD1120 | MD1530 | MD1630 | MD1830 | MD2030 | MD2130 | MD290 | MD3130 | MD330 | MD820 | MD820VU | MD830 | MD925 | MD930 | MD935 | MD940 | MD942 | MD945 | MD950 | MD952 | MD955 | MD960 | MD965 | MD968 | MD969 | MD970 | MD975 | VU. 1630 - **Müller:** 1020OU/VU | 1630 | 2030OU | JD300 | JD310 | JD350 | JD400 | JD450 | MD1020 | MD1120 | MD1530 | MD1630 | MD1830 | MD2030 | MD2130 | MD3130 | MD820 | MD820VU | MD830 | MD920 | MD925 | MD930 | MD935 | MD940 | MD942 | MD945 | MD950 | MD952 | MD955 | MD960 | MD965 | MD968 | MD969 - **Zanella:** Trator com motor Cummins

MOTOR**Bosch:** 0001359016**EQUIVALENTE / Equivalent****Bosch:** 2006209200 | 2006209201 - **Italacciai:** SD018 - **Lucas Indiel:** 223555 - **WAI:** 549114**0308****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

ABG: Alexander 126 F3L912 Deutz Diesel 1968...1976 | Alexander 126H F3L912 Deutz Diesel 1976...1982 | Alexander 128 F4L912 Deutz Diesel 1976...1982 | Alexander 128G F4L912 Deutz Diesel 1976...1982 | BV 590 F4L912 Deutz Diesel 1969...1980 | MAW 172 F4L912 Deutz Diesel 1969...1980 | MAW 172S F4L912 Deutz Diesel 1969...1980 | MAW 173 F4L912 Deutz Diesel 1969...1980 | MAW 173S F4L912 Deutz Diesel 1969...1980 | Puma 168 F3L912 Deutz Diesel 1976...1982 | Puma 168A F3L912 Deutz Diesel 1976...1982 | Puma 177 F6L912 Deutz Diesel 1976...1982 | Puma 177V F6L912 Deutz Diesel 1976...1982 | Puma 177VS F6L912 Deutz Diesel 1976...1982 | Puma 178 F6L912 Deutz Diesel 1976...1982 | Titan 300 F6L912 Deutz Diesel 1967...1971 | VAS 512 F3L912 Deutz Diesel 1969...1980 | WZ 172 F4L912 Deutz Diesel 1969...1980 | WZ 172S F4L912 Deutz Diesel 1969...1980 - **Carraro:** Tigrone 625 - **Claas:** Consul Deutz F4L912 1967...1974 | Corsar Deutz F4L912 1974...1975 | Cosmos Deutz F4L912 1967...1972 | Europa Deutz F4L912 1967...1972 | Mercator Deutz F4L912 1968...1972 | Mercator 50 Deutz F4L912 1973...1974 | Mercator 60 Deutz F6L912 1973...1981 | Mercator 70 Deutz F6L912 1973...1974 | Mercator 75R Deutz F6L912 1974...1981 | Mercur Deutz F4L912 1967...1972 | Senator Deutz F6L912 1966...1972 - **Deutz:** F3L911 2.5L 2460cc 1967...1970 | F4L911 3.3L 3280cc 1971...1973 | F4L912 3.8L 3770cc 1971...1972 - **Fiat Allis:** 1300 | 1300 DT | 850 | 850 T - **Massey Ferguson:** 450B | 450C | MF 33B

Mercedes Benz: 302Y.M.303 - **Palmieri:** 1500 GN 80 | 1500 GN 95 | 1800 GN 110 | 1800 GN 90 - **Poclain:** FC 30 | LC 80 | LY 80 | MCL 84 - **Steyr Puch:** 1000 | 1200 | 586 | 590 | 690

MOTOR

Bomag: 5710901 | 5710903 | 5710905 | 5710919 | 5710927 | 5710930 | 5719897 | 57109019 - **Bosch:** 0001359077 | 0001364100 | 0001364105 | 0001365004 - **Case:** E010372 - **Deutz:** 1161422 | 1172099 | 1302023 | B17R24X4 - **Fiat:** 42522942 - **IHC Navistar:** 3144932R92 - **John Deere:** SE501414 - **KHD:** 1161420 | 1161422 | 1163626 | 1163669 | 1163758 | 1172099 | 1301833 | 1302023 - **Liebherr:** 6200827 - **Mack Truck:** 8MJ4167 - **Massey Ferguson:** 114939701 | 114939702

Orenstein Koppel: 6209190 - **Renault:** 5000046311 | 5000240884 | 7700525547 - **Scania:** 183868 | 188486 - **Steyr:** 6090926 - **Volvo:** 240847 | 241599 | 243007 | 243043 | 243326 | 4785539 | 4785541

EQUIVALENTE / Equivalent**Bosch:** 2006209406 | 2006209422 - **Lester:** 16560 | 17073 | 17074 | 17076 | 17106 | 17136 | 17184 | 17228 | 17230 | 18029 | 18030 | 18032 | 18033 | 18111 | 18229 | 18237 - **WAI:** 5491126**0310****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

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**0312****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación**KHD:** F2L912 | F3L912 - **Lamborghini:** R240DT | R350DT - **Valmet:** 103 104SU | 1051 | 1052 | 1053 | 1054 | 1056SU | 1056SV | 112 113DAN | 395SV**MOTOR****Bosch:** 0001362012 | 0001362013 | 0001362016 | 0001362017 | 0001362021 | 0001362024 | 0001362033 | 0001363002**EQUIVALENTE / Equivalent****Bosch:** 2006209246 - **Italacciai:** SD347 - **Lester:** 17075 | 17105 - **WAI:** 549104

0315**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

Fiat: Ônibus 140 | Ônibus 80 - **Fiat Iveco:** Caminhões 1000 | Caminhões 120E | Caminhões 150 | Caminhões 150T | Caminhões 160E | Caminhões 160T | Caminhões 605C | Caminhões 640 | Caminhões 680 | Caminhões 780 | Caminhões 805 - **New Holland:** Colheitadeira TC55 11/1997... | Colheitadeira TC57 11/1997... | Colheitadeira TC59 11/1997... | Trator Gamalta

MOTOR

Bosch: 0001359122 | 0001360043 | 0001360063 | 9000083043 | 9000453088 | 9000453090 | 9000453091 - **Fiat:** 4169095 | 4169096 | 4682999

EQUIVALENTE / Equivalent

Bosch: 2006209447 | 9001083502 - **Fiat:** 9918347 | 9928303 | 9935164 | 99811565 - **Lester:** 16560 | 17073 | 17074 | 17076 | 17106 | 17136 | 17184 | 17228 | 17230 | 18029 | 18030 | 18032 | 18033 | 18111 | 18229 | 18237 - **Lucas Indiel:** 223231 - **WAI:** 549115

0316**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

Kassbohrer: S100 | S80 - **Steyr Puch:** 650A | 760A - **Volkswagen:** HR 688 H | HR 688 HT

MOTOR

Bosch: 0001359006 | 0001360002

EQUIVALENTE / Equivalent

Bosch: 2006209342 - **WAI:** 549107

0318**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

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

MOTOR

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

EQUIVALENTE / Equivalent

Bosch: 2006209086 | 2006209095 | 2006209215 | 2006209229 - **Italacciai:** SD346 - **WAI:** 549185

0322**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

Ford: 2000 | 3000 | 4000 | 5000 | 7000

MOTOR

Lucas Indiel: 26211 | 26338 | 26339 | 26395 | S5012 | 26208A/E | 26211A/L | 26208AEM45 | 26211ALM50

EQUIVALENTE / Equivalent

Lester: 16608 - **Lucas:** TMB104 | 54246724 | 54246989 | 54256984 | 54259800 - **WAI:** 549205

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

Chrysler: Dodge Horizon | Omni - **Kubota:** Trator

MOTOR

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

EQUIVALENTE / Equivalent

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

0343**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación

Kubota: Trator

MOTOR

Nippondenso: 280003610 | 280003611 | 280007480

EQUIVALENTE / Equivalent

Lester: 16221 - **Nippondenso:** 0283001390 | 0283003590 - **WAI:** 548240

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

APLICAÇÃO / Application / Aplicación**Kubota:** Micro trator Tobatta M140N - **Volkswagen:** Kombi com motor Passat diesel | Saveiro Diesel | Senda Diesel**MOTOR****Bosch:** 9000452003 - **Wapsa:** MWB17**EQUIVALENTE / Equivalent****Bosch:** 9001452088 - **Lucas Indiel:** 223117 - **Volkswagen:** 3059112875 - **Wapsa:** 224048**0351****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

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 | 2330069690 | 2330069960 | 23300E6800 | 23300E6801 | 23300N0900 | 23300N3301 | 23300N3304 | 23300S0100 | 23300U0100 | 23300U0101 | 23300U0102 | 23300U0601 | 23300U0602 | 23300U6001 | 23300U6002 | 23300U6003 | 23300U6004 | 23300U6005 | 23300W0400 | 23300W0401 | 23300Y0700 | 23300Y0701

EQUIVALENTE / Equivalent

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

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

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

EQUIVALENTE / Equivalent

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

0353

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 126

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

0366

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

Alfa Romeo: Alfa 6 2.5 TD | Alfetta 2.0 turbo diesel - **Fiat:** Magirus Iveco 50NC - **KHD:** D2506 | D3006 | DX50V | F3L911 | F3L912 - **Lamborghini:** DT503-603 | R503-603 | S503-603 - **Mercedes Benz:** 200D - **MWM:** D225 | D2262 | D2263 | D3272 | D3273 - **Valmet:** 101 | 102 | 103 | 104SU | 1051 | 1052 | 1053 | 1054SU | 112 | 113DAN | 12.5 | 15 | 18 | 195 | 198 | 20 | 24 | 25 | 295 | 298 | 30 | 32.5 | 395SV | HR488 HT2 | T1054SU

MOTOR

Bosch: 0001362034 | 0001362036 | 0001362040 | 0001362041 | 0001362046 | 0001362050 | 0001362053 | 0001362072 | 0001362074 | 0001362075 | 0001362076 | 0001362091 | 0001362305 | 0001362308 | 0001362311 | 0001362313 | 0001362314 | 0001363002 | 0001363107 | 0001363109 | 0001363110 | 0001363112 | 0001363113 | 0001363115 | 0001366001 | 0001366004 | 0001366009 | 0001366014 | 0001366015 | 0001366017 | 0001366020 | 0001366022 | 0001369014

EQUIVALENTE / Equivalent

Bosch: 2006209449 | 2006209469 | 2006209476 | 2006209485 - **Italacciai:** SD357 - **John Deere:** 19024524 - **Lester:** 17075 | 17105 | 17112 | 17159 | 18026 | 18121
Lucas Indiel: 223311 - **WAI:** 549121

0367

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

BMW: 520 - **Fiat:** 1300S | 130NC | 130NR | 130NT | 150NC | 150NR | 150NT | 159NC | 159NR | 159NT | 65NC10 | 70NC10 | 75NC10 | 850 | 880 | 880DT
Fiat Allis: S11 | S9 | SL11 | SL9 | SR9 - **Fiat Iveco:** Caminhão 110.13 | Caminhão 110.16 | Caminhão 120.13 | Caminhão 13.80 | Caminhão 130.13 | Caminhão 130.16 | Caminhão 16 | Caminhão 60.9 | Caminhão 80 | Caminhão 90.13 - **KHD:** D10006 | D130006 | D4006 | D4506 | D5006 | D6006 | D6206 | D6806 | D7006 | D7206 | D7506 | D8006 | DX100 | DX85 | DX90 | Intrac 2002...2004 - **Lamborghini:** 1356 | 1566 | 653 | 654 | 684 | 754 | 854 | 955 | DT804 | DT904 | R1056DT | R1156 | R1256DT | R804 | R904 - **Mercedes Benz:** 1017AF | 1017F | 1113B | 1217AF | 280S | 508DG | 608DG | 613D | 911B | L408DG | LP1013 | LP1113 | LP709 | LP809 | LP813 | LP913 | O302 | O309D | O371U | Trator MB1000 | Trator MB1300 | U100 | U1013 | U1200 | U1213 | U1300 | U1413 | U1500 | U1613 | U1700 | U800 | U900 - **MWM:** D22546 | D22646 | D3254 | D32746 | TD2266 - **Scania:** 50 | 80 | 81 | 82 | 85 | 86 | 92 | 93230 | 93250 | 93280 | Caminhão P93H | Caminhão P94 | Ônibus F94 | Ônibus L94 | P, R 124/400 | P, R 124/360 | P, R 124/420 | R 164/480 | R 164/580 - **Volvo:** 106SU MH 11 | 114 Dan | 1154 Dans | 1154M 12.8 | 1156 Dans | 1156M 12.8 | 116 Dan | 50KVA | 70KVA | B6 série DR860-861 | F84 | F85 | F86 | F87 | FL4 série | LM1240 | LM641 | LM841 | LM845 | LM846 | SM880 | T650 | T800 | T810 | T814 | VHKL18

0367**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

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MOTOR

Bosch: 0001362051 | 0001362063 | 0001362096 | 0001362097 | 0001362300 | 0001362306 | 0001362309 | 0001363116 | 0001366018 | 0001366021 | 0001367001 | 0001367004 | 0001367005 | 0001367007 | 0001367010 | 0001367011 | 0001367012 | 0001367014 | 0001367019 | 0001367021 | 0001367023 | 0001367026 | 0001367027 | 0001367030 | 0001367031 | 0001367033 | 0001367034 | 0001367039 | 0001367045 | 0001367046 | 0001367049 | 0001367050 | 0001367052 | 0001367059 | 0001367068 | 0001367074 | 0001367300 | 0001367301 | 0001368001 | 0001368002 | 0001368003 | 0001368005 | 0001368007 | 0001368008 | 0001368010 | 0001368011 | 0001368012 | 0001368013 | 0001368014 | 0001368017 | 0001368018 | 0001368021 | 0001368022 | 0001368024 | 0001368028 | 0001368030 | 0001368031 | 0001368032 | 0001368033 | 0001368035 | 0001368047 | 0001368055 | 0001368062 | 0001368063 | 0001368300 | 0001368301 | 0001368302 | 0001368307 | 0001368309 - **Italacciai:** 1362051

EQUIVALENTE / Equivalent

Bosch: 2006209492 | 2006209530 | 2006209536 | 2006209930 | F000AL1897 - **Cargo:** 131065 - **Fiat:** 8122157 | 9959619 | 79034927 - **Italacciai:** SD443 - **Lester:** 16560 | 17073 | 17074 | 17106 | 17113 | 17127 | 17136 | 17184 | 17228 | 17320 | 18032 | 18229 | 18237 | 18250 - **Lucas Indiel:** 223312 - **Remy:** 19024520 | 19025715
WAI: 549123

0376**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

Isuzu: KB10 Thermo King estacionário diesel | KBD 20 Diesel | KBD 25 2.0 Diesel | KBD 30 diesel - **Jeep:** Renegade - **Komatsu:** Varios fork lift - **Massey Ferguson:** 210-4
Nissan: Especial/Special - **TCM Equipment Ag:** Forklift SD25Z1 - **Toyota:** Especial/Special

MOTOR

Hitachi: S1224 | S1227 | S1246 | S1248 | S1256 | S1258 | S1259 | S1261 | S1282 | S1288 | S1306 | S1325 | S1328 | S1331 | S1333 | S1224A | S1241A | S1306A | S1333A | S1333B - **Isuzu:** 5811000571 | 5811000740 | 5811000800 | 5811000820 | 5811000990 | 5811001110 | 5811001111 | 5811001112 | 9821001520 | 9821001522 | 9821001830 | 9821001832 - **Thermo King:** 442918 | 445443

EQUIVALENTE / Equivalent

Allis Chalmers: 2201850102 | 2201850192 | 22018501030 - **Hitachi:** 21203500 | 21207500 | 21207530 | 21207550 | 212035001 - **Isuzu:** 5811130170 | 5811230020 | 5811230070 | 5811230160 | 9821212380 - **Lester:** 17087 | 17089 | 17090 | 18064 - **Lucas Indiel:** 223237 - **Thermoking:** 442910 - **WAI:** 548105

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

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

0418**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

Kawasaki: F1300D | F1400D | F1500D | F1600D | F1800D | F2105DF - Volvo: F2250 | F406 | F407

MOTOR

Bosch: 0001362302 | 0001362324 | 0001367002 | 0001367017 | 0001367020 | 0001367047 | 0001367048 | 0001367051 | 0001367057 | 0001367066 | 0001367070 | 0001367071 | 0001367302 | 0001368023 | 0001368034 | 0001368040 | 0001368044 | 0001368052 | 0001368060 | 0001368068 | 0001368070 | 0001368072 | 0001368076 | 0001368082 | 0001368085 | 0001368306 | 0001369003 | 9000143412 | 9000143415 | 9000143416 | 9000143601 - Italacciai: 1362302

EQUIVALENTE / Equivalent

Bosch: 2006209495 | 2006209532 - Fiat: 9959813 - Italacciai: SD442 - Lester: 16558 | 18254 | 18259 - WAI: 549151

0427**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

John Deere: Carregadeiras | Tratores - Onan: Motores

MOTOR

Mitsubishi: MEO107 - Onan: 19911052

EQUIVALENTE / Equivalent

Lester: 17332 - Mitsubishi: M191T32271 - Onan: 1911087 - WAI: 548301

0434**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

John Deere: Trator

MOTORAllis Chalmers: 1336643 - Case: 91902C1 | A162469 - Caterpillar: 4N0241 | 7N0923 | 9G6941 - John Deere: AR16277 | AR41627 | AR70611 | RE13722 | RE23900
Nippondenso: 280003290 | 280003292 | 280003650 | 280003690 | 280003930 | 280003970 | 280003971 | 280005040 | 280005920 | 280005960 | 280006920 | 280007430 | 280007431 | 1280000260 | 1280000771 | 1280000772 | 1280002000 | 1280003690 | 1280004340 | 1280005330**EQUIVALENTE / Equivalent**

Allis Chalmers: 02683662 | 02698850 - Case: A47788 - Caterpillar: 4N7523 - John Deere: AR54992 - Lester: 16629 | 16635 | 16643 | 16644 | 17103 | 17120 | 17349 | 17353 | 17369 | 17386 - Nippondenso: 0283001280 | 0283001660 - WAI: 548200

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

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

EQUIVALENTE / Equivalent

Lucas Indiel: 228204 - Nashville: 45210100

0439**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

Perkins: 4 E 6 CIL Tipo AN 115

EQUIVALENTE / Equivalent

Bosch: 1987BE0037 - Lucas Indiel: 228205 - Nashville: 4520100

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

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

0440

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

EQUIVALENTE / Equivalent

Lucas Indiel: 222901

0447

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

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

MOTOR

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

EQUIVALENTE / Equivalent

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

0448

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

Datsun: Especial/Special Diesel - Isuzu: Especial/Special

MOTOR

Hitachi: S1234 | S1263 | S1264 | S1268 | S1323 | S1334 | S1336 | S1338 | S1340 | S1343 | S1345 | S1346 | S1218D | S1219C | S1219K | S1234A | S1263A | S1263B | S1263C | S1268A | S1268B | S1268D | S1334A | S1340A | S13443 | S1345A | S1345B | S1346A | S25106 | S25123 | S25129 | S25132 | S25141 | S25152 | S12119C | S1219KA | S1219KB - Nissan: 233003470 | 233003705 | 23300G700 | 23300Z700 | 2330015815 | 2330031W00 | 2330031W01 | 2330031W02 | 2330031W03 | 2330031W04 | 2330031Y03 | 2330032W03 | 2330037503 | 2330037505 | 2330037506 | 2330037508 | 2330079601 | 2330090062 | 2330090217 | 23300A3210 | 23300G7000 | 23300G7001 | 23300G7002 | 23300G7003 | 23300G7004 | 23300G7005 | 23300G7006 | 23300G7007 | 23300L1800 | 23300T3400 | 23300T3470 | 23300T5600 | 23300T5601 | 23300V0600 | 23300V0601 | 23300V0602 | 23300V0603 | 23300V0605 | 23300W3101 | 23300Y1400 | 23300Y1403 | 23300Y1405 | 23300Z7000 | 23300Z7001 | 23300Z7005 | 23300375088 | 23300V06001

EQUIVALENTE / Equivalent

Bosch: 1987BE0039 - Hitachi: 212025001 | 212045002 | 212055002 | 212075002 | 212085001 | 212085002 | 225035001 - Isuzu: 5811230090 | 5811230150 | 9821212340 - Lester: 16771 | 16818 - Lucas Indiel: 223250 - Nissan: 212025001 | 212045002 | 2331237502 | 2331237504 | 2331276201 | 23312V0601 | 233312V0601 WAI: 548100

0450

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación

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

MOTOR

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

EQUIVALENTE / Equivalent

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

0480**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 127

APLICAÇÃO / Application / Aplicación**Dodge:** 950 - **Ford:** Cargo Série D, K - **Massey Ferguson:** Trator**MOTOR****Lucas Indiel:** 27511A | 27500A/J | 27504A/B | 27506A/D | 27507A/B | 27516A/D | 27528A/D | 27553A/D | 27554A/B | 27562A/B**EQUIVALENTE / Equivalent****Lester:** 16608 | 17647 | 18264 - **Lucas:** TMB148 | 54247393 | 54268139 | 54290585 - **WAI:** 549213**0485****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación**Valmet:** Especial/Special**MOTOR****Lucas Indiel:** 26284A/E | 26342A/B | 26342D/L**EQUIVALENTE / Equivalent****Lucas:** TMB118 | 54243741 | 54246741**0492****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación**John Deere:** Trator 6300 - **Mercedes Benz:** 190E | 200 | 230**MOTOR****Lucas Indiel:** 35256424 | 35257655 | 35258670**EQUIVALENTE / Equivalent****Lucas Indiel:** 227816 | 35257816

0496**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Agrale: CaminhãoTX 1600D-1800D com motor MWM 229.4 10/1988... - **John Deere:** Trator 7000 com motor MWM TD 229.6 | Trator 7200 com motor MWM TD 229.6
Müeller: Trator RT 82 MWM 229.3 10/1981... | Trator TR 62 MWM 229.3 10/1981... - **MWM:** Motor D2293 08/1985... - **Valmet:** Trator 68 08/1985... | Trator 68 Cafeeiro 08/1985... | Trator 68 Especial 08/1985... - **Yanmar:** Micro Trator TC11 e TC11 Super

MOTOR**Bosch:** 9000083069**EQUIVALENTE / Equivalent****Bosch:** 9001083618 | 9002453076 - **Lucas Indiel:** 223265**0497****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

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

MOTOR**Nippondenso:** 1280001310 | 1280001311 | 1280002170 | 1280004670 | 1280004671**EQUIVALENTE / Equivalent****Isuzu:** 8941258890 - **Lester:** 16245 | 16880 | 16883 - **Nippondenso:** 0283003570 | 0283003571 | 0283004410 - **WAI:** 548220**0507****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Allis Chalmers: Tractor Farm ED40 4 Cil 138 Diesel - **Bonser:** 50 D 60 D 70 D 90 D 100 D - **Case:** Agricultural Loader 580F Construction King European Model (Std.) | Agricultural Tractor 1394 4 Cil 219 Diesel 1983...1988 | Agricultural Tractor 1494 4 Cil 219 Diesel 1983...1988 | Tractor Farm 1290 4 Cil 195 Diesel 1980...1983 | Tractor Farm 1294 4 Cil 219 Diesel 1983...1984 | Tractor Farm 1390 4 Cil 219 Diesel 1980...1983 | Tractor Farm 1490 4 Cil 219 Diesel 1980...1983 | Tractor Farm 995 4 Cil 219 Diesel 1971...1976 - **David Brown:** 580 770 880 990 1190 1212 | Tractor Farm 120 4 Cil 219 Diesel 1969...1971 | Tractor Farm 1200 4 Cil 219 Diesel 1969...1971 | Tractor Farm 121 4 Cil 219 Diesel 1971...1976 | Tractor Farm 1210 4 Cil 219 Diesel 1971...1980 | Tractor Farm 1212 4 Cil 219 Diesel 1971...1976 | Tractor Farm 990 4 Cil 186 Diesel 1969...1980 | Tractor Farm 991 4 Cil 186 Diesel 1972...1980 | Tractor Farm 995 4 Cil 219 Diesel 1977...1980 | Tractor Farm 996 4 Cil 219 Diesel 1971...1980
Lister Petter Tractor: PH Séries 1/2/3 Cil Diesel | SR4 Séries 4 Cil Diesel | ST1 Séries 1/2/3 Cil Diesel | ST2 Séries 1/2/3 Cil Diesel | ST3 Séries 1/2/3 Cil Diesel

EQUIVALENTE / Equivalent**Lester:** 16664 - **Lucas:** TMB108 | 54242044 | 54246729 - **WAI:** 549221**0539****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación**New Holland:** Trator**MOTOR****Hitachi:** S1284 | S1361A**EQUIVALENTE / Equivalent****Hitachi:** 1303ST | 21303500 - **Lester:** 17088 | 17294 - **WAI:** 548126

0555**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Caterpillar: Caterpillar Facet 10061 | Pipelayers 583h D342 Diesel 1969...1974 | Pipelayers 583k D342 Diesel 1974...1989 | Pipelayers 594 D353 Diesel 1974 | Pipelayers 594h D353 Diesel 1974...1985 | Track Tractors D7e | Track Tractors D8k D342 Diesel 1974...1982 | Track Tractors D9g 1969...1974 | Track Tractors D9h D353 Diesel 1974...1982 - **TCM Equipment Ag:** Caterpillar Facet 1006L

MOTOR

Cummins: 3604645RX - **Remy:** 1109792 | 1990232 | 1990285 | 10478862

EQUIVALENTE / Equivalent

Caterpillar: 3T8754 | 5S6372 - **Facet:** 10061 - **Lester:** 3872 - **Remy:** 1894221 | 1979835 - **WAI:** 54127 - **Ww:** 10061

0556**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Caterpillar: Caterpillar Facet | Engine 6 Cyl D 343 - **Ford:** MED. HD. TRK - **Kenworth:** C500 | MED. HD. TRK | W900 - **TCM Equipment Ag:** Caterpillar Facet

MOTOR

Remy: 1109294 | 1109299 | 1109633 | 1109635 | 1109641 | 1109644 | 1109793 | 1109794 | 1109832 | 1109835 | 1109969 | 1109989 | 1113867 | 1114713 | 1990227 | 1990232 | 1990238 | 1990241 | 10478846 | 10478853 | 10478862

EQUIVALENTE / Equivalent

Caterpillar: 2S3344 | 3T5341 - **Facet:** 10060 - **Lester:** 3038 | 3956 | 4897 | 4918 - **Remy:** 1894220 | 1946174 | 1979836 - **Volkswagen:** 10060 - **WAI:** 54126

0557**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Valmet: Trator 1180 | Trator 1280 | Trator 885 | Trator 985

MOTOR

Lucas Indiel: 27512A/D

EQUIVALENTE / Equivalent

Lucas: TNB172 | 54268565

0561**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Fiat: Allis | Romania

MOTOR

Fiat: 4988513 - **Italacciai:** 4988513

EQUIVALENTE / Equivalent

Fiat: 4988518 - **Italacciai:** SD145 - **Lester:** 17219 - **Utb:** 2130004 - **WAI:** 549900

0566**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Detroit: Caminhão GM com Motor 4.53 | Pá Carregadeira Case com Motor 4.53

MOTOR

Remy: 1113598 | 1113639 | 1113655 | 1113695 | 1998338 | 1998455

EQUIVALENTE / Equivalent

Remy: D2026 | D2043 | 1875802 | 1875852 | 1877333 | 1877353 | 1932308 | 1932890 | 1951180 | 1965358 | 1987756 | 10498438 - **WAI:** 54139 | 54112D

0567**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación

Allis Chalmers: ACC 20 / 25 / 30 Continental F135 1974...1980 | ACC 20 / 25 / 30 Continental F163 1981...1986 | ACC 35 / 40 / 45 / 50 / 55 Continental F163 1975...1986 | ACC 60 / 70 / 80 / 100 / 120 Continental F245 1975...1981 | ACC 60C / 70C / 100C Continental F245 1975...1981 | ACP 110 Continental F245 1979...1981 | ACP 130 Continental F245 1979...1981 | ACP 150 Continental F245 1979...1981 | ACP 20 / 25 / 30 Continental F135 1974...1980 | ACP 20 / 25 / 30 Continental F163 1981...1985 | ACP 40 / 50 Continental F163 1975...1985 | ACP 60 / 70 / 80 Continental F245 1975...1981 | ACS 100 / 120 Continental F245 1975...1981 | ACS 70 Continental F163 1979...1985 - **Clark:** C20 Séries Continental Y112 Engine 1965...1966 | C25 Séries Continental Y112 Engine 1964...1965 | C30 Séries Continental F162 Engine 1965...1966 | C40 Séries Continental F162 Engine 1965...1966 | C50 Séries Continental F162 Engine 1966 | C60 Séries Continental F209 Engine 1964...1965 | CF20 Séries Continental Y112 Engine 1964...1966 | CF25 Séries Continental Y112 Engine 1964...1965 | CF30 Séries Continental F162 Engine 1966 | CF40 Séries Continental F162 Engine 1966 | CF50 Séries Continental F162 Engine 1966 | CFY60 Séries Continental F244 Engine 1963...1965 | CT20 Séries Continental F162 Engine 1966 | CT30 Séries Continental F162 Engine 1966 | CT40 Séries Continental F162 Engine 1966 | CT50 Séries Continental F162 Engine 1966 | CY20 Séries Continental F162 Engine 1965 | CY30 Séries Continental F162 Engine 1963...1965 | CY40 Séries Continental F162 Engine 1965 | CY60 Séries Continental F244 Engine 1965 - **Teledyne:** F163 0000 | F227 0000 | F245 0000 | F4 1969...1980 | F6 1969...1980 | TC56 1983...1985 | Y112 1981...1986

MOTOR

Allis Chalmers: 8620794 | 8624170 | 8624171 | 8625404 | 4885883R - **Baker:** 101363 | 115109 - **Case:** A20873 | A36582 | A36583 | A38413 | A47466 | A57092 | A59671 | D32189 | G44881 | G44927 | 104192A1 | 396587R91 - **Caterpillar:** 88190 | 655293 | 677750 - **Chrysler:** 2958166 - **Clark:** 316595 | 335861 | 391632 | 636180 | 916303 | 999665 | 1636179 | 1636180 | 2355693 | 2355694 | 2377360 | 3001006 | 3001008 | 3001018 | 3002935 | 3004551 | 3004552 | 3004555 | 3004562 | 3042514 | 3136105

Hyster: 282661 - **IHC Navistar:** 267904C91 | 446427C92 | 500164C91 | 844187C91 - **John Deere:** TY1434 | TY1435 | TY1456 | TY1457 | TY6629 | TY6691 | TY6694 | TY6695 | TY6704 | AP22652 | AR11160 | AR11161 | AR11300 | AR11305 | AT12283 | AT12458 | AT14860 | AT15334 | AT15335 | AT16209 | AT16311 | AT17411 | TY26007 | TY26034 | TY26038 | AP22652H | SE501437 - **Towmotor:** 88189 | 215861 | 215987 | 971561 - **White:** 207000396 - **Yale:** 220002397 | 220007252 | 220007343 | 220007347 | 220007359 | 220007362

EQUIVALENTE / Equivalent**Remy:** D2036 | 1892899 | 1952410 | 10499854 - **WAI:** 54109**0584****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación**Kia:** Pride - **Kubota:** Trator**MOTOR****Kubota:** 1585263011 | 1585263012 - **Mitsubishi:** M2T30481 | M2T42381**EQUIVALENTE / Equivalent****Lester:** 16791 | 18162 - **Lucas Indiel:** 223755 - **Mitsubishi:** M191T22271 | M191T22871 | M191T23171 - **WAI:** 548319**0594****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 128

APLICAÇÃO / Application / Aplicación**Fiat:** Trator**MOTOR****Lucas Indiel:** 26390A | 26372A/B | 26385A/B | 26390B/E | 27430A/B**EQUIVALENTE / Equivalent****Fiat:** 9956595 - **Lucas:** TMB130 | 54248606 - **Lucas Indiel:** 223763**0595****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

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

MOTOR

General Motors/Chevrolet: 30001696 - **Mazda:** AM1518400 - **Mitsubishi:** 79581 | MT36100 | M0T70281 | M0T70381 | M0T70481 | M0T70681 | M0T70781 | M0T70981 | M0T71181 | M0T71381 | M0T71581 | M0T71681 | M0T72581 | M0T73281 | M0T73381 | M0T77681 | M0T85681 | M1M70685 | M1M72086 | M1T70481 | M1T70482 | M1T70483 | M1T70485 | M1T70681 | M1T70685 | M1T70686 | M1T70687 | M1T71381 | M1T71382 | M1T71581 | M1T71681 | M1T72081 | M1T72085 | M1T72086 | M1T72088 | M1T72581 | M1T72583 | M1T73281 | M1T73283 | M1T73381 | M1T73383 | M1T74881 | M2T53083 | MD099667 | MD112625 | MD136933 | MD162839 | MD162840 | MD162842 | MD162843 | MD163188 | MD170049 | MD172860 | MD172861 | MD172863 | MD172864 | MD174482 | MD174483 | MD180937 | MD182488 | MD188720 | MD188721 | M1T70685A | M1T72086A | M1T723281 | M000T85681 | M000T92581 | M0T85681ZC - **Nissan:** 2330008U10 | 2330020P10 | 2330020P11 | 2330022P70 | 2330022P71 | 2330041B76 | 2330042L70 | 2330050Y10 | 2330050Y11 | 2330050Y12 | 2330057M70 | 2330057M75 | 2330057M90 | 2330065Y10 | 2330077A11 | 2330084A17

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

EQUIVALENTE / Equivalent**Bosch:** 1987BE0043 - **General Motors/Chevrolet:** 96063636 - **Lester:** 16874 | 16939 | 17131 | 17146 | 17185 | 17214 | 17217 | 17221 | 17266 | 17478 | 17592**Lucas Indiel:** 223764 - **Mazda:** AM1518X25 - **Mitsubishi:** 12071 | 12471 | MD611211 | M001T73283 | M191T12070 | M191T12071 | M191T12471 - **Nissan:** 233542L70 | 2331242670 | 2335442L70 | 2335704E10 - **Suzuki:** 3132086030 - **WAI:** 548313**0596****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Clark:** Empilhadeira Clark CGP25 - **Nissan:** Titan 5.6**MOTOR****Ford:** SAE770 | SAE781 | FE1H18400 | E22E18400A | E92Z11002A | F02Z11002B | F12Z11002A | F22518400A - **Mazda:** E22E18400 | F21418400 | F2D418400 | FE1H18400 | F21418400A | F21418400B | F21418400C | F2D418400A - **Mitsubishi:** M1M70981 | M1M71281 | M1M71481 | M1M72181 | M1M72182 | M1Q71281 | M1T70981 | M1T70985 | M1T71081 | M1T71281 | M1T71481 | M1T71881 | M1T72181 | M1T72182 | MD318086 | M1T70981A | M1T71281A | M1T71281B | M1T71481A | M1T72181A | M1T72182A | MD 318086 - **Nissan:** 2330001Y10 | 2330020R11 | 2330020R91 | 2330030F10 | 2330030F11 | 2330044R10 | 2330044R11 | 23300D0511 | 23300D0513**EQUIVALENTE / Equivalent****Ford:** SDE335 | SDE336 | SDE342 | E92Z11350A | E92Z11350B - **Lester:** 16900 | 16933 | 16998 | 17132 | 17176 | 17469 - **Mazda:** F21418X25 - **Mitsubishi:** M191T12171 | M191T13271 - **Nissan:** 2335420R10 - **WAI:** 548314**0607****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Agco:** L3 670 Diesel 1986...1987 | M3 670 Diesel 1986...1987 | N5 670 Diesel 1986 | N6 670 Diesel 1986 | R5 670 Diesel 1986...1987 | R6 670 Diesel 1986...1987
Allis Chalmers: 7030 6 426 Diesel 1974 | 7040 6 426 Diesel 1975...1977 | 7045 6 426 Diesel 1978...1981 | 7050 6 426 Diesel 1974 | 7060 6 426 Diesel 1975...1981 | 7080 6 426 Diesel 1975...1981 | 7580 6 426 Diesel 1977...1981 | 8030 6 426 Diesel 1982...1985 | 8050 6 426 Diesel 1982...1985 | 8070 6 426 Diesel 1982...1985 | L2 6 426 Diesel 1979...1982 | L3 6 426 Diesel 1983...1985 | M2 6 426 Diesel 1979...1985 | M3 6 426 Diesel 1983...1985 | N5 6 426 Diesel 1978...1986 | N6 6 426 Diesel 1978...1986 - **Deutz:** L3 670 Diesel 1986...1989 | M3 670 Diesel 1986...1989 | R5 1986...1993 | R6 1986...1993**MOTOR****Nippondenso:** 280004930**EQUIVALENTE / Equivalent****Allis Chalmers:** 268757 - **Lester:** 16627 - **Nippondenso:** 0283001780 - **WAI:** 548222**0608****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Fiat Allis:** 350 | 350 DT | 355 | 450 | 455 C | 480 | AD4 | FL4**MOTOR****Fiat:** 4169912 | 4172004 | 4172113 | 4187587 | 4187590 | 4231018 | 4232191 | 4234741 | 4269114 - **Italacciai:** 4187587 - **Magneti Marelli:** 63224170 | 63224500 | 63224580 | 63224600 | 63224602**EQUIVALENTE / Equivalent****Fiat:** 4169960 | 4226442 | 4474695 | 4475032 - **Italacciai:** SD112 - **Nissan:** 4169960 | 4226442 | 4474695 | 4475032**0610****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**General Motors/Chevrolet:** Blazer V6 USA 1988... | GMC | Motor para Empilhadeira Hyster - **Hyster:** Empilhadeira Hyster**EQUIVALENTE / Equivalent****Bosch:** 1987BE0044 - **Lester:** 6407 - **Lucas Indiel:** 223278 - **Remy:** D2047 | 1989214 - **WAI:** 54140**0612****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

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

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

EQUIVALENTE / Equivalent**Bosch:** 1987BE0045 - **Cargo:** 135063 - **Lester:** 6415 | 6416 | 6418 | 6424 - **Lucas Indiel:** 223279 - **Remy:** D2050 | 10468675 | 10473700 - **WAI:** 54149**0622****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Cummins:** Motor Serie C - **Komatsu:** Motoniveladora GD523 com motor Cummins série C | Motoniveladora GD623 com motor Cummins série C | Pá Carregadeira com motor Cummins série C - **Mercedes Benz:** L1625 | L2325 | L2635 | LB2325 | LG1825 | LK2325 | LS1625 | LS1630 | LS1935 | LS1941**MOTOR****Bosch:** 9000453064 | 9000453065 | 9000453067 | 9000453068**EQUIVALENTE / Equivalent****Bosch:** 9001453601 - **Facet:** 10627 - **Wapsa:** 224057**0624****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Case:** Especial/Special - **Ford:** F9000 | LN9000 - **General Motors/Chevrolet:** Especial/Special - **John Deere:** Especial/Special - **Mercedes Benz:** 1625 | 1630 | 1825 | 1935 | 1941 | 2325 | O355 (OM355-6) | O364 (OM355-5 e 6) | O365 (OM355-5) | O370 | O370 (OM355-5, 6, 6A, 6LA) | O371 | O371 (OM355-5A, 6A, 6LA) | O371UP | O371UP (OM355-5) | O400R | O400RS | O400RSD | O400RSL (OM 449A) | OM 3555, 3556, 3556A, 3356LA, 3555 Série BR400 - **TCM Equipment Ag:** Série 37MT 12/24V (MB, VW, Ford) - **Volkswagen:** Caminhão P100501, P100502 Cummins série C - 12/24V 12D**MOTOR****Remy:** 323841 | 323842 | 323843 | 323844 | 323847 | 323850 | 323852 | 1990310 | 1990313 | 1990315 | 1990316 | 1990317 | 1990319 | 1990320 | 1990321 | 1990327 | 1990330 | 1990331 | 1990332 | 1990336 | 1990498 | 1990707 | 1993669 | 1993709 | 1993713 | 1993719 | 1993728 | 1993729 | 1993732 | 1993742 | 1993745 | 1993746 | 1993755 | 1993763 | 1993764 | 1993768 | 1993770 | 1993778 | 1993791 | 1993794 | 1993831 | 1993832 | 1993851 | 1993853 | 1993861 | 1993865 | 1993869 | 1993871 | 1993873 | 1993874 | 1993878 | 1993881 | 1993883 | 1993885 | 1993887 | 1993891 | 1993898 | 1993901 | 1993902 | 1993909 | 1993910 | 1993911 | 1993918 | 1993920 | 1993926 | 1993928 | 1993931 | 1993953 | 1993958 | 1993964 | 1993965 | 1993966 | 1993974 | 1993992 | 1993997 | 10461007 | 10461008 | 10461010 | 10461013 | 10461016 | 10461018 | 10478805 | 10478811 | 10478825 | 10478826 | 10478927 | 10478949 | 10478960 | 10479014 | 10479034 | 10479196 | 10479302**EQUIVALENTE / Equivalent****Bosch:** 1987BE0019 - **Facet:** 10624 | 10640 - **Lucas Indiel:** 220400 - **Remy:** 1985262 | 1985262L - **WAI:** 54132D - **Ww:** 10640**0625****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Ford:** Cargo 7.8 lts | F800 - **General Motors/Chevrolet:** Caminhão 14190 | Truck - **TCM Equipment Ag:** Série 37MT 12/24V - **Volkswagen:** Caminhão 13.210 Cummins 6 cil Turbo | Caminhão 14.210 Cummins 6 cil Turbo | Caminhão 22.210 Cummins 6 cil Turbo - **ZEN:** Equivalente OEM - ZEN 0755**MOTOR****John Deere:** E48134 - **Remy:** 323818 | 323834 | 323835 | 323836 | 323837 | 323839 | 323840 | 323849 | 323868 | 323869 | 323879 | 323880 | 1990308 | 1990309 | 1990311 | 1990312 | 1990315 | 1990318 | 1990326 | 1990347 | 1990499 | 1993701 | 1993702 | 1993705 | 1993712 | 1993723 | 1993726 | 1993738 | 1993741 | 1993744 | 1993754 | 1993756 | 1993759 | 1993761 | 1993762 | 1993767 | 1993769 | 1993789 | 1993790 | 1993792 | 1993793 | 1993799 | 1993800 | 1993817 | 1993818 | 1993819 | 1993829 | 1993832 | 1993837 | 1993850 | 1993854 | 1993855 | 1993862 | 1993866 | 1993879 | 1993880 | 1993881 | 1993886 | 1993893 | 1993894 | 1993903 | 1993905 | 1993914 | 1993917 | 1993921 | 1993947 | 1993950 | 1993951 | 1993954 | 1993955 | 1993956 | 1993957 | 1993963 | 1993970 | 1993971 | 1993981 | 1993986 | 1993988 | 1993994 | 10461001 | 10461002 | 10461003 | 10461005 | 10461006 | 10461015 | 10461039 | 10461044 | 10461069 | 10478806 | 10478814 | 10478819 | 10478831 | 10478890 | 10478921 | 10478928 | 10478929 | 10478930 | 10478953 | 10478957 | 10478976 | 10479015 | 10479016 | 10479020 | 10479035 | 10479036 | 10479054 | 10479068 | 10479069**EQUIVALENTE / Equivalent****Bosch:** 1987BE0046 - **Facet:** 10621 | 10639 - **Ford:** E6HZ11350A - **Lester:** 6204 | 6348 | 6387 | 6391 | 6410 | 6467 - **Remy:** 1986244 - **WAI:** 54131D - **Ww:** 10639**0626****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación**Caterpillar:** 3508 | 3512 | 3516 - **General Motors/Chevrolet:** Caminhões de linha pesada 6V - **Waukesha:** Especial/Special**MOTOR****Remy:** 1109220 | 1109221 | 1109297 | 1109648 | 1109962 | 1113856 | 1113857 | 1113874 | 1113875 | 1113889 | 1113907 | 1113917 | 1113953 | 1113984 | 1113996 | 1114047 | 1114059 | 1114062 | 1114063 | 1114075 | 1114080 | 1114093 | 1114100 | 1114104 | 1114106 | 1114183 | 1114702 | 1114718 | 1114736 | 1114739 | 1114778 | 1114792 | 1114807 | 1114808 | 1114809 | 1114840 | 1114902 | 1114922 | 1114925 | 1114930 | 1114952 | 1114959 | 1114960 | 1990213 | 1990215 | 1990216 | 1990217 | 1990236 | 1990242 | 1990245 | 1990265 | 1990340 | 1990380 | 1990381 | 1990389 | 1990395 | 1990430 | 1990436 | 1990439 | 1990447 | 1990494 | 1993827 | 1993849 | 1993996 | 1993999 | 10478981

0626**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

EQUIVALENTE / Equivalent

Cargo: 132731 - **Caterpillar:** 93090 | 5L6429 - **Facet:** 480135 | 480322 - **Lester:** 3039 | 3040 | 3288 | 3289 | 3290 | 3297 | 3701 | 3702 | 3747 | 3899 | 4851 | 6261 | 6263 | 6272 | 6273 | 6621 | 6622 | 6623 | 6629 - **Remy:** 830621 | 1894212 | 1945879 | 1970527 | 1977004 | 8000067 - **Volkswagen:** 480322 - **WAI:** 54125

0635**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

John Deere: JD310 | JD350 | JD400 | JD410 | JD450 | MD1040 | MD1065 | MD1075 | MD1085 | MD1140 | MD1640 | MD1840 | MD20401 | MD2140 | MD3040 | MD3140 | MD840 | MD932 | MD940 | MD941 | MD952 | MD955 | MD958 | MD965

MOTOR

Bosch: 0001362312 | 0001362316 | 0001362319 | 0001362321 | 0001367037 | 0001368059 | 0001369001 | 0001369005

EQUIVALENTE / Equivalent

Bosch: 2006209427 | 2006209457 | 2006209459 - **Lester:** 16563 | 17095 - **Lucas Indiel:** 223791 - **WAI:** 549150

0638**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

Bomag: BW 90 - **Deutz:** F1L210 (.7L - 673cc) 1963...1975 - **Farymann:** D 40 - E 40 - **Hatz:** E 80 FG - E 80 G - E 85 FG - E 89 - **KHD:** Engines F1L210 (.7L - 673cc) 1963...1975 - **Miller Electric Welder:** All Models Deutz F1L210 Diesel 1963...1976 - **Palmieri:** PDA 625-750-1250

MOTOR

Bosch: 0001311050 | 0001311051 | 0001314010

EQUIVALENTE / Equivalent

Bosch: 1006209418 - **Lester:** 18233 - **WAI:** 549145

0648**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

Fiat: Caminhão 640 | Caminhão 1180 | Caminhão 1280 | Caminhão 1380 | Caminhão 1580 | Caminhão 1880 | Caminhão 570 | Caminhão 580 | Caminhão 605 | Caminhão 666 | Caminhão 670 | Caminhão 680 | Caminhão 765 | Caminhão 766 | Caminhão 780 | Caminhão 855 | Caminhão 880.15 | Caminhão 955 | Caminhão 980 - **Fiat Allis:** Caminhão 545B | Caminhão 645B - **New Holland:** Trator 8830 04/1994... | Trator DT8630 04/1994... | Trator FHN 8430 04/1994...

MOTOR

Bosch: 0001367028 | 0001367029 | 0001368019 | 0001368020

EQUIVALENTE / Equivalent

Bosch: 2006209426 | F000AL1899 - **Fiat:** 9817920 | 9959572 | 79033659 - **Italacciai:** SD314 - **Lester:** 17092 | 17184 | 18030 | 18033 - **Remy:** 19024527 - **WAI:** 549110

0649**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

Bobcat: 2400 Perkins 4-236 Dsl 1989...1991 | 2410 Perkins 4-236 Dsl 1989...1993 | 3023 Kubota V1702 Dsl 1989...1992 | 641 Deutz F2L511 Dsl 1989...1990 | 741 Deutz F2L511D Dsl 1989...1990 | 843B Isuzu 4JB1PK-01 Dsl 1990...1992 | 843HC Isuzu 4JB1PK-01 Dsl 1989...1992 | 853 Isuzu 4JB1PK-03 Dsl 1990...1994 | 853H Isuzu 4JB1PK-03 Dsl 1991...1994 | 943 Perkins 4-236 Dsl 1990...1994 | 974 Perkins 4-236 Dsl 1989...1990 - **Clark:** 2000 Perkins 2.5L 1989 | 641 Deutz F2L511 1989...1990 | 741 Deutz F2L511 1989...1990 | 843 Perkins 2.5L 1989...1990 | 843B Isuzu Engines 1990...1992 | 853 / 853H Isuzu Engines 1991...1995 | 943 Perkins 4-236 1990...1994 | 974 Perkins 4-236 1989...1990 - **Hyster:** H-150-275H Perkins 6-354 1985...1986 | H350A Perkins 6-354 1985...1988 - **Lincoln:** Various Perkins - **Lister Petter Tractor:** TX2 / TX3 - **Maddon:** Macdon 7000 Perkins Diesel 1993...1997 - **Mack:** CS Séries (Midliner) Mack Engines 1990...1999 | CS Séries (Midliner) Renault 5.8L 1986...1991 | CS Séries (Midliner) Renault 6.2L 1990...2001 | CS Séries (Midliner) Renault 8.8L 1986...1990 | MS Séries (Midliner) Mack E3 1990...1999 | MS Séries (Midliner) Mack E5 / EC5 1986...1990 | MS Séries (Midliner) Renault 5.8L 1986...1991 | MS Séries (Midliner) Renault 6.2L 1990...1999 - **Massey Ferguson:** MF-60E Perkins Diesel Engines 1989...1992

Miller Electric Welder: 27 Séries 2.0L Teledyne Eng 1989...1993 | 27 Séries Teledyne 2.0L, 2.7L 1989...1993 | Big 40 Cont. Eng 1992 - **New Holland:** 1426 Caterpillar Engines 1986...1989 | 1426 Perkins Engines 1982...1985 | 1495 Perkins Engines 1982...1985 | L783 Perkins 4-203 Diesel 1989...1995 | L785 Perkins 4-203 Diesel 1989...1994

Perkins: 4-236 4 cil Diesel 1989...2004 | Various Models Diesel - **Prairie Sprayer:** 4800 Sprayer Perkins Diesel 1993...1997 | 4900 Sprayer Perkins Diesel 1993...1997

Westerbeke: 108B Six 6 cil Diesel 1991...1994 | 108C Six 6 cil, 247ci 4.1L Diesel 1994...2007 | 16.0 BED 4 cil Diesel 1990...1995 | 64A Four 4 cil, 182ci 3.0L Diesel 2003...2007 | 71C Four 4 cil, 154ci 2.5L Diesel 1994...2007 | 82B Four 4 cil, 182ci 3.0L Diesel 1991...2007 | 90A Four 4 cil, 211ci 3.5L Diesel 1999...2007 | GCX40 Perkins Diesel Engines 1990...1997 | GCX50 Perkins Diesel Engines 1990...1997 | GPX35D Perkins Diesel Engines 1990...1995 | GPX40D Perkins Diesel Engines 1990...1995 | GPX50D Perkins Diesel Engines 1990...1995 - **Westward:** 7000 Perkins Diesel 1993...1997

MOTOR

Remy: 1113274 | 1113275 | 1113278 | 1113281 | 1113282 | 1113284 | 1113285 | 1113288 | 1113289 | 1113290 | 1113297 | 10479607

EQUIVALENTE / Equivalent

Lester: 6572 | 6576 | 6578 | 6581 | 6584 | 6587 | 6588 | 6593 | 6600 | 6602 - **Remy:** 10457057

0650**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

Bobcat: 1600 Kubota V1702 Diesel 1989...1993 | 643 Kubota D1402BA Diesel 1989...1993 | 743 Kubota V1702BA Diesel 1989...1990 | 743B Kubota V1702BA Diesel 1991...1994 | 753 Kubota V2203B Diesel 1990...1994 | 7753 Kubota V2203B Diesel 1991...1994 - **New Holland:** L555 Perkins 4-108 Diesel 1989...1993

MOTOR

Remy: 1113273 | 1113279 | 1113280 | 10479606 | 10479613

EQUIVALENTE / Equivalent

Remy: 10457058

0651**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 129

APLICAÇÃO / Application / Aplicación

Deutz: Allis - **Mercedes Benz:** Caminhão 1620 | Caminhão 712 Eletronic

MOTOR

Remy: 1113286 | 10479620

EQUIVALENTE / Equivalent

Lester: 6579 | 6599 - **Remy:** 10457059

0661**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Chrysler: Dodge Série S - **Ford:** D0707 | D0810 | D0910 | D1010 | D1111 | D1211 | D1314 | N0708 | N0710 | N0808 | N0810 | N0812 | N0814 | N0910 | N0914 | N1114 | N1414 | NA1814 | NA2214 - **Massey Ferguson:** MF155 | MF158 | MF168 | MF186 | MF187 | MF188 | MF487 | MF507 | MF510 | MF520 | MF525 | MF87 - **Perkins:** Tratores, Industriais, Estacionários.

MOTOR

Bosch: 0001359067 | 0001359069 | 0001359081 | 0001359082 | 0001359104 | 0001359109 | 0001359110 | 0001360055

EQUIVALENTE / Equivalent

Bosch: 2006209413 | 2006209443 - **WAI:** 549184

0668**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Massey Ferguson: MF235 | MF235 1986... | MF265 1986... - **Perkins:** Trator MF 235 -265 A3.152 | Trator MF 265 AD4.203 abr/76 | Tratores, Industriais, Estacionários.

Yanmar: 1050D | 1050D 4x4

MOTOR

Bosch: 9000083072 | 9000453072 | 9000453080

EQUIVALENTE / Equivalent

Bosch: 9001083629

0669**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Ford: Trator - **New Holland:** Trator

MOTOR

Ford: SA739B | E8TZ11002A | E8TF11000AA - **Mitsubishi:** M3T90072

EQUIVALENTE / Equivalent

Ford: SDE339 | E8PZ11350A - **Lester:** 17037 - **Mitsubishi:** M191T66271 - **WAI:** 548320

0670**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Ford: Truck Diesel - **New Holland:** Trator

MOTOR

Ford: SA739A | E5TZ11002B | E8TZ11002A | E5TF11000AA | E8TF11000AA | F3TU11000AA - **Mitsubishi:** M3T90011 | M3T90071 | M3T90072

EQUIVALENTE / Equivalent

Ford: SDE330 | E5PZ11350A | E5PF11350AA - **Lester:** 17037 - **Mitsubishi:** M191T65571 - **WAI:** 548303

0721**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Bobcat:** Trator 853 série 12816390 1994 - **Clark:** Especial/Special - **Detroit:** Estacionários - **Fiat Allis:** Grader PG140 e PG160 Ford 7.5L GMA**MOTOR****Remy:** 10479605 | 10479608 | 10479612**EQUIVALENTE / Equivalent****Lester:** 6594 | 6597 - **Remy:** 10457122 - **WAI:** 548408**0722****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Case:** Grader 845 e 845.2 | Grader FG 140.2 | Pá Carregadeira W20 - **Cummins:** Especial/Special - **Fiat Allis:** Com embreagem banhada a óleo Cummins 6BT5.9 | FD 170 - cremalheira a banho de óleo - **Komatsu:** Escavadeira PC200 Cummins 4B3.9 | Escavadeira PC200 Cummins 4BT3.9 | Escavadeira PC200 Cummins 6B5.9 | Escavadeira PC200 Cummins 6BT5.9 | Escavadeira PC200 Cummins 6BTAA Mack - **TCM Equipment Ag:** Série 28MT 12/12V - **Timberjack:** 608, 608 Harvester - Ciber Vibrador**MOTOR****Remy:** 1113272 | 1113277 | 1113291 | 10479611 | 10479616 | 10479623 | 10479629 | 10479655**EQUIVALENTE / Equivalent****Lester:** 6574 | 6582 | 6592 | 6596 | 6598 - **Remy:** 10457121 | 10457121L - **WAI:** 548411**0748****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Agrale:** Caminhão 7000DX-TDX- 8000MA série 7.5T - **Case:** Trator W20 Cummins 6BT590 - **Ford:** Cargo 1618 | F12000 MWM | F14000 MWM | F4000 MWM - **MWM:** Motor 410T, 610T - **Puma:** 7000 série 79000 MWM 4.10T 03/1996... - **Volkswagen:** Caminhão MWM X10 | Ônibus | Volks Bus MWM**MOTOR****Bosch:** 9000083077**EQUIVALENTE / Equivalent****Bosch:** 9001083674 | 9002453078 | 9002453079 - **Lucas:** TNB674 - **Lucas Indiel:** 223293**0755****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Ford:** Cargo 7.8 lts | F800 - **General Motors/Chevrolet:** Caminhão 14190 | Truck - **TCM Equipment Ag:** Série 37MT 12/24V - **Volkswagen:** Caminhão 13.210 Cummins 6 cil Turbo | Caminhão 14.210 Cummins 6 cil Turbo | Caminhão 22.210 Cummins 6 cil Turbo**MOTOR****John Deere:** E48134 - **Remy:** 323818 | 323834 | 323835 | 323836 | 323837 | 323839 | 323840 | 323849 | 323868 | 323869 | 323879 | 323880 | 1990308 | 1990309 | 1990311 | 1990312 | 1990315 | 1990318 | 1990326 | 1990347 | 1990499 | 1993701 | 1993702 | 1993705 | 1993712 | 1993723 | 1993726 | 1993738 | 1993741 | 1993744 | 1993754 | 1993756 | 1993759 | 1993761 | 1993762 | 1993767 | 1993769 | 1993789 | 1993790 | 1993792 | 1993793 | 1993799 | 1993800 | 1993817 | 1993818 | 1993819 | 1993829 | 1993832 | 1993837 | 1993850 | 1993854 | 1993855 | 1993862 | 1993866 | 1993879 | 1993880 | 1993881 | 1993886 | 1993893 | 1993894 | 1993903 | 1993905 | 1993914 | 1993917 | 1993921 | 1993947 | 1993950 | 1993951 | 1993954 | 1993955 | 1993956 | 1993957 | 1993963 | 1993970 | 1993971 | 1993981 | 1993986 | 1993988 | 1993994 | 10461001 | 10461002 | 10461003 | 10461005 | 10461006 | 10461015 | 10461039 | 10461044 | 10461069 | 10478806 | 10478814 | 10478819 | 10478831 | 10478890 | 10478921 | 10478928 | 10478929 | 10478930 | 10478953 | 10478957 | 10478976 | 10479015 | 10479016 | 10479020 | 10479035 | 10479036 | 10479054 | 10479068 | 10479069**EQUIVALENTE / Equivalent****Bosch:** 1987BE0046 - **Facet:** 10621 | 10639 - **Ford:** E6HZ11350A - **Lester:** 6204 | 6348 | 6391 | 6410 | 6467 - **Remy:** 1986244 - **WAI:** 54131S**0758****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Nissan:** Empilhadeira | Forklift**MOTOR****Mitsubishi:** M1T60381 - **Nissan:** 23300k9160**EQUIVALENTE / Equivalent****Lester:** 17437 - **Mitsubishi:** M191T13571 - **WAI:** 548327

0776**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Caterpillar: Carregadeira 916 1986...1992 | Carregadeira 926 1984...1987 | Carregadeira 926E 1987...1993 | Duty 3204 Motor Médio 1985...1993 | Escavadeira 943 3204 1985...1992 | Escavadeira 215B 1985...1992 | Escavadeira 953 3204 1985...1992 | Transportador de Ferramentas IT18B 3204 1986...1992 | Transportador de Ferramentas IT28B 3204 1986...1993 | Trator Esteira D4H 3204 1985...1996

MOTOR**Bosch:** 2006202000 | 2006209000 - **Cargo:** 131766 | 232632**EQUIVALENTE / Equivalent****Lester:** 3048 | 3055 | 3064 | 3809 | 3884 | 3885 | 3894 | 3895 | 3931 | 18020 | 18021 | 18928 | 30011 | 30019 | 32949**0778****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Fiat: Escavadeira FH400 8215 Hitachi 13.8L Diesel - **Fiat Allis:** Carregadeira FL-14D 8205 Diesel Diesel 1985...1986 | Carregadeira FL-20 8215 Diesel Diesel 1979...1995 | Carregadeira FR-20 8215 Diesel Diesel 1987...1991 | Carregadeira FR-20B 8215 Diesel Diesel 1986...1995 | Escavadora FH-400 8215 Diesel Diesel 1990...1993 | Escavadora FE-45 8215 Diesel Diesel 1988...1993 | Trator 14CL 8205 Diesel 1986...1989 | Trator 14C 8205 Diesel 1986...1989 | Trator FA-200 8215 Diesel Diesel 1984...1990 | Trator FD-14 8205 Diesel 1984...1989 | Trator FD-20 8215 Diesel 1981...1995

0783**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Buick: Century 4 cil 2.2L | Regal V6 3.1 - **General Motors/Chevrolet:** Cavalier 4 cil 1996 | Lumina V6 3.1 lts e 4.0 lts | Minivan 3.4 lts | Monte Carlo V6 3.1 lts | MPV V6 3.4 lts - **Hyster:** Empilhadeira H55XM GM 2.2 - **Jeep:** Cherokee

MOTOR**Remy:** 2058 | 1358859 | 10455069 | 10455081**EQUIVALENTE / Equivalent****Lester:** 6473 | 6474 | 6483 - **Remy:** 10487536 - **WAI:** 54166 | 54167**0784****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Case:** Colheitadeira**MOTOR****Bosch:** 0001367061**EQUIVALENTE / Equivalent****Bosch:** 2006209434 - **Lester:** 17308 - **Lucas Indiel:** 223908 - **WAI:** 549183**0813****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

John Deere: 570B 6059D John Deere Dsl | 6059 Diesel | 6068 Diesel 1985...1995 | 6329D Diesel | 6414D / T Diesel 1985...1987 | 655 Utility Tractor Various Dsl 1981...1985 | 655B 6068T John Deere Dsl 1982...1995 | 670B 6068H John Deere Dsl 1982...2001 | 672A Various Dsl 1978...1981 | 672B 6068T John Deere Dsl 1988...2001 | 690CR Diesel 1984...1991 | 690D 6414T John Deere Dsl 1988...1992 | 693C 6414T John Deere Dsl 1987...1989 | 693D 6068 Diesel 1988...1995 | 750 Various Dsl 1975...1986 | 750B 6068 Diesel 1982...1995 | 755 6068T John Deere Dsl 1986...1995 | 755 Utility Tractor Various Dsl 1976...1982 | 755A Various Dsl 1982...1984 | 755B Various Dsl 1985...1990 | 770B Various Dsl 1982...2001 | 772B Various Dsl 1982...2001 | 790 Utility Tractor 6466A John Deere Dsl 1984...1987 | 792 6466A John Deere Dsl 1984...1988 | 793D 6466A John Deere Dsl 1988...1995 | 850B 619 Diesel 1982...1990 | 850B 6466A John Deere Dsl 1985...1995 | JD670 Diesel 1975...1978 | JD670 6466A John Deere Dsl 1985...1995 | JD762A 619 John Deere Dsl 1980...1981 | JD762A 6466A John Deere Dsl 1980...1981 | JD762B 1982...2001

MOTOR**John Deere:** TY6654 | TY6687 | TY6714 | TY6718 | AR84333 | RE15663 | RE15718 | RE43422 | TY25964 | TY25965 | SE501418 | SE501419**EQUIVALENTE / Equivalent****Lester:** 16655 | 17371 - **Nippondenso:** 0283001860 - **WAI:** 548236**0814****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación**Case:** Trator MX 135**MOTOR****Bosch:** 0001367054

0814**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

EQUIVALENTE / Equivalent

Bosch: 2006209432 - Lester: 18035 - WAI: 549190

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 130

APLICAÇÃO / Application / Aplicación

Especial/Special: Motocicletas - Ford: Ranger 2.5 D - Honda: Accord | Civic - Jaguar: HJ 12 6.0 | XJS 5.3 V12 | XJS 6.0 - Land Rover: Freelander 2.0 TD4 - Lexus: LS 400 - Toyota: Corolla | Land Cruiser 4.7 | Tacoma - Yale: Empilhadeira - ZEN: Utiliza Pinhão ZEN 9186

MOTOR

Nippon: 2280000990 | 2280000991 | 2280001060 | 2280001530 | 2280001531 | 2280004570 | 2280006482 | 2280007800 | 2280007801 - Nippondenso: 1280008210 | 1280009190 | 1280009191 | 1280009300 | 1280009310 | 1280009380 | 1280009520 | 1280009700 | 2280000340 | 2280001160 | 2280007390 | 2280007391 | 2280007392
Toyota: 2810016270 | 2810046100 | 2810046120 | 2810046140 | 2810049090 | 2810075050 | 2810076060 | 2810076070

EQUIVALENTE / Equivalent

Cargo: 137753 - Nippon: 0283007940 - Nippondenso: 0283006990 | 0283007170 | 0283007990 - Toyota: 2801176070 - WAI: 548235

0850**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Hitachi: Escavadeira EX100M-2 Isuzu 4BD1 1988...1996 | Escavadeira EX100-2 Isuzu 4BD1 1988...1994

MOTOR

Remy: 10479626

EQUIVALENTE / Equivalent

Lester: 18193 - Remy: 0215002001 - WAI: 548415

0853**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Nissan: 310 L4 1.4L 1393cc 85cid 1979...1980 | 310 L4 1.5L 1488cc 1981 | A12, A15 | F10 L4 1.4L 1393cc 85cid 1976...1978 | Fork Lifts

MOTOR

Mitsubishi: M2T20181 | M2T20181D - Nissan: 23300H5014

EQUIVALENTE / Equivalent

Lester: 16579 - Mitsubishi: M191T22571 - Nissan: 23354T5000 - WAI: 548329

0858**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Case: Especial/Special - Ford: F9000 | LN9000 - General Motors/Chevrolet: Especial/Special - John Deere: Especial/Special - Mercedes Benz: 1625 | 1630 | 1825 | 1935 | 1941 | 2325 | O355 (OM355-6) | O364 (OM355-5 e 6) | O365 (OM355-5) | O370 | O370 (OM355-5, 6, 6A, 6LA) | O371 | O371 (OM355-5A, 6A, 6LA) | O371UP | O371UP (OM355-5) | O400R | O400RS | O400RSD | O400RSL (OM 449A) | OM 3555, 3556, 3556A, 3356LA, 3555 - TCM Equipment Ag: Série 37MT 12/24V (MB, VW, Ford) - Volkswagen: Caminhão P100501, P100502 Cummins série C - 12/24V 12D

MOTOR

Remy: 323841 | 323842 | 323843 | 323844 | 323847 | 323850 | 323852 | 1990310 | 1990313 | 1990315 | 1990316 | 1990317 | 1990319 | 1990320 | 1990321 | 1990327 | 1990330 | 1990331 | 1990332 | 1990336 | 1990498 | 1990707 | 1993669 | 1993709 | 1993713 | 1993719 | 1993728 | 1993729 | 1993732 | 1993742 | 1993745 | 1993746 | 1993755 | 1993763 | 1993764 | 1993768 | 1993770 | 1993778 | 1993791 | 1993794 | 1993831 | 1993832 | 1993851 | 1993853 | 1993861 | 1993865 | 1993869 | 1993871 | 1993873 | 1993874 | 1993878 | 1993881 | 1993883 | 1993885 | 1993887 | 1993891 | 1993898 | 1993901 | 1993902 | 1993909 | 1993910 | 1993911 | 1993918 | 1993920 | 1993926 | 1993928 | 1993931 | 1993953 | 1993958 | 1993964 | 1993965 | 1993966 | 1993974 | 1993992 | 1993997 | 10461007 | 10461008 | 10461010 | 10461013 | 10461016 | 10461018 | 10478805 | 10478811 | 10478825 | 10478826 | 10478927 | 10478949 | 10478960 | 10479014 | 10479034 | 10479196 | 10479302

EQUIVALENTE / Equivalent

Bosch: 1987BE0019 - Facet: 10624 | 10640 - Lucas: 220400 - Remy: 1985262 | 1985262L - WAI: 54132S

0879**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

TCM Equipment Ag: Série 40MT | Série 42MT 12/24V | Série 50MT 12/24V

MOTOR

Leece Neville: 7282M | 8282M | 7408MA - Prestolite: MES6403JUT - Remy: 1113350 | 1113369 | 1113374 | 1113801 | 1113804 | 1113811 | 1113817

0879**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

EQUIVALENTE / Equivalent

Lester: 3052 | 3054 | 3065 | 3789 | 3796 | 6219 | 6220 - Lucas Indiel: 223979 - Prestolite: 59225 | PD13A - Remy: 1932603 | 1985131 - WAI: 54130

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

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

0888**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Agco: Trator 9170 6-584 Deutz Diesel 1991...1993 | Trator 9190 6-584 Deutz Diesel 1991...1993 | Trator 9670 6-584 Deutz Diesel 1994...1996 | Trator 9690 6-584 Deutz Diesel 1994...1995 - Deutz: Trator 9170 6-584 Diesel 1989...1992 | Trator 9190 6-584 Diesel 1989...1992

EQUIVALENTE / Equivalent

Lester: 6288 | 6388 - Remy: 10497496

0893**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Clark: Empilhadeira CG P 25 Com Arranque Adaptado

0894**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

TCM Equipment Lift Truck: FD100Z 6BD1 Motor 0000 | FD35Z 6BB1 Motor 0000 | FD35Z5 Isuzu D500 0000 | FD38Z 6BB1 Motor 0000 | FD38Z Isuzu D500 0000 | FD40Z 6BB1 Motor 0000 | FD40Z2 Isuzu D500 0000 | FD45Z 6BB1 Motor 0000 | FD50Z 6BB1 Motor 0000 | FD50Z6 Isuzu D500 0000 | FD60Z 6BB1 Motor 0000 | FD60Z5 Isuzu D500 0000 | FD70Z 6BB1 Motor 0000 | FD70Z2 Isuzu D500 0000 | FD80Z7 6BD1 Motor 0000

MOTOR

Isuzu: 181001890 | 1811001890 | 1811001891 | 1811001900 | 1811001910 | 1811001920 | 1811001970 | 1811001971 | 1811002061 | 1811002530 | 1811002531 | 1811002590 | 1811002890 | 5811001742 - Mitsui Deutz: 4413040 | 4413390

EQUIVALENTE / Equivalent

Lester: 18100 | 18191 - Nikko: 0230001030 | 0230001031 | 0230001050 | 0230001070 | 0230001071 | 0230001080 | 1235000010 - WAI: 548412

0902**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Ursus: Trator 10145 | Trator 1614 | Trator 912 - Valmet: Séries 500, 505, 505.4, 504 | Séries 600, 605, 605.4, 604, 604.4 | Séries 700, 705, 705.4 | Séries 800, 805.4 | Zetor - Zetor: Trator 4712

MOTOR

Lester: 16567 | 18480 - Magneton: 9142722 | 9144722 | 9144742 | CSN304208 | 443115144722 | 443115144742 | 443115145020 | 447115144722 - Pal: 2928 | 976117

EQUIVALENTE / Equivalent

Cargo: 130729 - Magneton: 8014251 | 443930154210 | 443930154211 - Pal: 932208

0906**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Clark: Empilhadeira - Daewoo: Empilhadeira

EQUIVALENTE / Equivalent

Lucas Indiel: 224006

0914**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

TCM Equipment Ag: Série 42MT 12/24V | Série 50MT 12/24V

MOTOR

Remy: 1113477 | 1114155 | 1114177 | 1114716 | 1114948 | 1990486 | 1993774 | 1993784 | 1993801 | 1993826

EQUIVALENTE / Equivalent

Facet: 480414 - Lester: 3050 | 3364 | 3370 | 3932 | 6234 | 6247 | 6248 | 6255 | 6258 | 6518 | 6528 | 6529 | 6550 | 6626 | 6627 | 6650 - Remy: 1893561 | 1953151 - WAI: 54117

0929**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

KHD: BF4L 1011 | F2L 1011 | F3L 1011 | F4L 1011 - Magirus Deutz: Trator

MOTOR

Bosch: 0001218172 | 0001218772

EQUIVALENTE / Equivalent

Bosch: 9002336230 - Lester: 18230 - WAI: 549192

0930**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

TCM Equipment Ag: Série 42 MT 12/24V | Série 50MT 12/24V

MOTOR

Caterpillar: 4N4405 - Ingersoll Rand: 462361 - Leece Neville: M0017137 | M0017157 | M0017191 - Prestolite: 462361 | MFJ6501 - Remy: 4N4405 | 1113344 - Utms: MFJ6501

EQUIVALENTE / Equivalent

Facet: 480412 - Lifan: 101BMP2992 - Remy: 1933404 | 1985132 - Utms: DV202750 - WAI: 54129

0943**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

John Deere: 316 Motor B43E 1984...1992 | 318 Motor B43E 1983...1992 | 420 2 Cil. 0.78L 771cc 47cid - B48G 1983...1990 - Onan: Motor B43E 1979...1990 | Motor B43G 1979...1990 | Motor B48G 1979...1990

MOTOR

Onan: 191168202 | 191168203 | 191168205 | 191176002 | 191180803 | 191180805 | 191180806 | 191194903 | 191194905 | 191194906 | 191194909 - Toro: NN10268

EQUIVALENTE / Equivalent

Lester: 17333 - Onan: 1911953 - WAI: 548337

0947**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación

Daihatsu: Rocky F80 - Especial/Special: Motocicletas - JCB: Escavadeira - Mazda: B2200 - Toyota: 2S | 2Y | 2Y 2.2 | 3Y | Camry | Carina | Celica | Corolla | Dyna | Hilux | JR 7 | MR 2 | Tercel - ZEN: Utiliza Pinhão ZEN 9186

MOTOR

Daihatsu: 2810072010 - Ishikawajima: 185086240 | 185086340 - Kubota: 1550463011 | 1574163011 - Nippondenso: 280004343 | 280004450 | 280005900 | 280005912 | 280006001 | 280006120 | 280006332 | 280006362 | 280006450 | 280006930 | 280007321 | 280007392 | 280007560 | 280007620 | 280008050 | 280008060 | 280008220 | 280008261 | 280008290 | 280008320 | 280008850 | 280009070 | 280009260 | 280009380 | 280009711 | 280009720 | 280009860 | 1280000101 | 1280000220 | 1280000230 | 1280000500 | 1280000510 | 1280001370 | 1280001440 | 1280001441 | 1280001520 | 1280001630 | 1280002060 | 1280003340 | 1280003350 | 1280003590 | 1280003670 | 1280003990 | 1280004420 | 1280005261 | 1280005410 | 1280005700 | 1280005780 | 1280005781 | 1280005840 | 1280005850 | 1280007090 | 1280007100 | 1280007330 | 1280007680 | 1280007690 | 1280007912 | 1280008070 | 1280008080 | 1280008240 | 1280008560 | 2280000311 | 2280000580 | 2280000960 | 2280001100 | 2280001110 | 2280001710 | 2280002020 | 2280002121 | 2280002300 | 2280002610 | 2280002620 | 2280002682 | 2280002691 | 2280002701 | 2280002760 | 2280002770 | 2280002851 | 2280002880 | 2280003200 | 2280003290 | 2280004320 | 2280004330 - Toyota: 2810010040 | 2810010060 | 2810013010 | 2810015020 | 2810015040 | 2810015070 | 2810015130 | 2810015180 | 2810016020 | 2810016080 | 2810016110 | 2810027010 | 2810027030 | 2810027050 | 2810027060 | 2810031010 | 2810034060 | 2810034080 | 2810034100 | 2810041060 | 2810042040 | 2810042050 | 2810044030 | 2810044050 | 2810045033 | 2810045050 | 2810051031 | 2810060070 | 2810063020 | 2810063050 | 2810072010 | 2810072020 | 2810072030 | 2810072040 | 2810072050 | 2810072060 | 2810072070 | 2810072090 | 2810072100 | 2810072110 | 2810073010

0947**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

EQUIVALENTE / Equivalent

Cargo: 132004 - **Honda:** 31204657617 - **Ishikawajima:** 185866150 - **Isuzu:** 8941291870 - **Kubota:** 1550463041 - **Lester:** 16248 | 16251 | 16578 | 16586 | 16600 | 16612 | 16674 | 16735 | 16736 | 16737 | 16759 | 16760 | 16761 | 16786 | 16790 | 16802 | 16821 | 16823 | 16825 | 16826 | 16827 | 16828 | 16829 | 16831 | 16833 | 16834 | 16837 | 16878 | 16892 | 16895 | 16906 | 16911 | 16913 | 17002 | 17003 | 17027 | 17125 | 17143 | 17171 | 17240 | 17251 | 17256 | 17345 | 17420 | 17422 | 17481 | 17487 | 17521 | 17530 | 17537 | 18181 | 18182 - **Nippondenso:** 0283001600 | 0283001601 | 0283001602 | 0283001603 | 0283001790 | 0283001791 | 0283001800 | 0283002000 | 0283002110 | 0283002111 | 0283002270 | 0283003630 | 0283003631 | 0283004160 | 0283006940 - **Toyota:** 2801120540 | 2801126041 | 2801126042 | 2801135030 | 2810110710 - **WAI:** 548202

0948**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 131

APLICAÇÃO / Application / Aplicación**Case:** EHC - **John Deere:** Especial/Special**MOTOR****Nippondenso:** 128000533 | 128000597 | 128000723 | 228000136 | 228000138 | 228000139 | 228000140**EQUIVALENTE / Equivalent****Lester:** 17353 | 17618 | 17624 | 17625 | 17633 | 18272 - **Nippondenso:** 0283007530 - **WAI:** 548237**0950****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

John Deere: Cefeiro Front F911 Kawasaki 22HP | Kawasaki motores pequenos FD620Dv - Vários Modelos | Tratores Cub Cadet Compact 3205 Kawasaki 20HP Gas 1998...1999 | Tratores de Grama 445 Kawasaki 22HP Gas | Turf Vehicle Kawasaki 18HP | Utility Vehicle (UTV) 1800 Golf Kawasaki 18HP | Utility Vehicle (UTV) Gator HPX Kawasaki 20HP

MOTOR**Nippondenso:** 1280003540 | 1280009360**EQUIVALENTE / Equivalent****Nippondenso:** 0283005720 - **WAI:** 548242 | 548244**0958****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**General Motors/Chevrolet:** Blazer 4.3 V6 - **Hyster:** Empilhadeira H80XM**MOTOR****Remy:** 9000836 | 9000841 | 9000854 | 9000857 | 9000858 | 9000871 | 9000872 | 9000873 | 9000879 | 9000880 | 9000882 | 9000884 | 9000885 | 24506694**EQUIVALENTE / Equivalent****Remy:** 10492409 | 10492409L - **WAI:** 54168 | 54174**0970****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**Case:** Cefeiras 6000 e 6500 W Motor NCE 4-390 | Escavadeira 1088 | Retroescavadeira Cummins | Trator 5100 1987...1992 - **Cummins:** Motores**MOTOR**

Bosch: 0001367072 | 0001368069 | 0001368083 | 0001369007 | 0001369019 | 0001369025 - **Case:** A181642 | A187597 | 114799A1 | P941519Q - **Cummins:** 3283312 | 3283812

EQUIVALENTE / Equivalent**Bosch:** 2006209458 | 2006209543 - **WAI:** 549199 | 5491119**0978****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

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

0985**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

Fiat Allis: Pá Carregadeira FR128 | Trator de Esteira 7D - **Mercedes Benz:** 915 c Accelo | Axor 1933 | Caminhão 1418L, 1718, 1725, 2423, 2428 | Caminhão 712C, 715, 714C, , 1418 EL | Caminhão 915C, 1215, 1218EL, 1218L | Caminhão e Ônibus Eletrônicos C/ Motor OM904, OM906, OM924, OM926 | Especial/Special | Família Atego 1315, 1418, 1518, 1718, 1725, 2425 24V OM 904, OM 906, OM 924 e OM 926 | Família Atego L1318, 2423B, 2423K, L1620 Chassi de ônibus 24V OM 904, OM 906, OM 924 e OM 926 | Família Atego LO 914, 0500M, 0500U, 0500R, OF 1417, OF1418, OF 1518, OF 1721, OF 1722 24V OM 904, OM 906, OM 924 e OM 926 - **TCM Equipment Ag:** Série 28MT 12/24V C/ Motor OM904, OM906, OM924, OM926

MOTOR**Mercedes Benz:** A0051512201 | A0051517601 - **Remy:** 10479626 | 10479650 | 10479654**EQUIVALENTE / Equivalent****Remy:** 10457362 | 10457368 | 10503933 | 10457362L**0996****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**Yale:** Empilhadeira**1013****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**TCM Equipment Ag:** 37 MT Séries DD Starters**MOTOR****Remy:** Série 41MT**EQUIVALENTE / Equivalent****WAI:** 54170**1030****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**Citroën:** XM 2.1 diesel | XM 2.1 turbo diesel - **Suzuki:** Vitara - **Yanmar:** Micro trator**MOTOR****Bosch:** 0001109026**EQUIVALENTE / Equivalent****Bosch:** 1006209646 - **WAI:** 5491154**1038****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

Mercedes Benz: 1215 C | 712 C | 817-1517 1996... | 914 2000 | 915 | Atego 1998... | Axor 1998... | Citaro 1998... | Econic 1998... | L1218 | L1418 | L1618 M | L1622 | L2423 - **New Holland:** Trator

MOTOR**Bosch:** 0001230001 | 0001230006 | 0001230012 | 0001230013 | 0001231002 | 0001231003 | 0001231005 | 0001231018 | 0001231033**EQUIVALENTE / Equivalent****Bosch:** 6033AD0442 | 6033AD0462 | 6033AD3006 | 6033AD3108 | 6033AD3244 | 6033AD3850 | 6033AD4034 | 6033AD4118 | 6033AD4148 | 6033ADO462 | 9002336236**Cargo:** 139056 - **KHD:** 01319755 | 01319806 - **Mercedes Benz:** 0011511813 | 0011513213 - **WAI:** 5491130**1046****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

Mitsubishi: E2500 Diesel XA | E3000 | Fuso Canter 20, 30, 35, 4d31T 1987 | Fuso Canter 3600, 33, 4D30, 31, 32 1998 | Fuso Canter 4DRS 1984 ...1988 | Light Bus HÁ | Wheel Loader S4E - **Nissan:** Fork Lifts - **ZEN:** Utiliza pinhão ZEN 12812

MOTOR

Mitsubishi: 232415 | M2T55271 | M2T56471 | M2T56472 | M2T57881 | M2T61771 | M2T65271 | M2T65272 | M2T67881 | M2T67882 | M2T67883 | M2T69081 | M2T72871 | M2T74371 | M2T78381 | M2T78481 | M2T78482

EQUIVALENTE / Equivalent**Mitsubishi:** ME700972 | M357T72671 | M357T72672 | M357X72672 | M357X85273 - **WAI:** 5483413

1059**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

Aifo: 8361 05.500 160PS 8,1L 1980...1983 | 8361 25.500 175PS 8,1L 1980...1983 - **Astra:** BM 201 OM-8360.05.200 8.0L 1980... | BM 201 OM-8360.05.300 8.0L 1979... | BM 44D12R OM-8360.05.200 8.1L 1991... - **Benfra:** 10 CH Motor Aifo-8361/000 8.1L 1982...1983 | 10 CH Motor Aifo-8361/01 8.1L 1984...1985 | 9.11 Motor Aifo-8361S/000 8.1L 1985...1987 | 9.11 Motor Aifo-8361S/10.00 5.9L 1988...1991 | 9.12 Motor Aifo-8361S/10.00 5.9L 1990... | 9.32 Motor Aifo-8361S/10.00 5.9L 1990... - **Fiat:** 110 NC OM-8360.04.200 6.9L 1978...1981 | 129.16 8360.05.B 8.1L 1979...1982 | 130 CP3 7.4L 1979...1982 | 130 NC OM-8360.04.300 6.9L 1978...1984 | 130 NC,NR,NT20 8220.02 9.6L 1979...1980 | 130 NC14, NT14 OM-8360.04.200 6.9L 1978...1984 | 150 NC,NT20 8220.02 9.6L 1976...1980 | 150 NC17 OM-8360.03 8.1L 1976...1979 | 159 17 OM-8360.05.254 8.1L 1977...1982 | 160 26 8210.02.020 13,8L 1980...1982 | 50 F10 OM-8340.04.250 4,6L 1978...1982 | 540 DT 8035.02.302 2,6L 1972...1978 | 55 F9 8340.04.4,6L 1977...1979 | 60 F10 OM-8340.04.250 4,6L 1979...1982 | 65 F10 OM-8340.04.200 4,6L 1978...1980 | 70 F10 8340.04.250 4,6L 1978...1980 | 75 F10 8340.04 4,6L 1978...1980 | 79 F10 OM-8340.04.200, 250 4,6L 1979...1982 - **Fiat Allis:** 645 B 8361.05.500 8.1L 1980...1982 - **Valmet:** Trator

MOTOR**Iskra:** 11130124 | 11130322**1060****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**Valmet:** Valtra**MOTOR****Iskra:** 11130076 | 11130200 | 11130373**EQUIVALENTE / Equivalent****Cargo:** 2665 - **Iskra:** 16900151**1065****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**Agrale:** Especial/Special - **Goldoni:** Transcar 23 - **Lombardini:** 10 LD 400.2 - **Mosa:** Especial/Special - **Ruggerini:** RD 210-211-218 - **VM:** DM 188**MOTOR****Bosch:** 0001107058 | 0001108050 | 0001109028 | 0001110018 | 0001312108 | 0001312109**EQUIVALENTE / Equivalent****Bosch:** 1006209542 | 1006209550 - **Cargo:** 232481**1071****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación**Mercedes Benz:** 124 - **Still:** Especial/Special - **Styer Puch:** Especial/Special**MOTOR****Bosch:** 0001218162 | 0001218165**EQUIVALENTE / Equivalent****Bosch:** 9002336223**1073****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

Agrale: 5000D | 6150 | 7000D | 7500 TD | BX100 | BX130 | BX4.100 | BX4.110 | BX4.130 | BX4.150 | BX4.90 - **Case:** 80 CR / 80 P - **CBT:** 8440 - **Claas:** Consul 3.8 | Dominator 5.7 | Mercator 5.7 - **Fiat Allis:** FB 80 - **Lamborghini:** Especial/Special - **Mercedes Benz:** 10 T 1013 | 1000 | 1013A | 1013S | 1017 | 11 T L1113B | 1100 | 12 T 1213 | 1217 | 1250 | 1300 Turbo | 1350 | 13T 1313 | 14 T 1413 | 1400 Turbo | 1417 | 1450 | 1500 | 1550 | 15T 1513 | 16 T 1613 | 1600 Turbo | 1617 | 1650 | 1700 | 1750 | 18 T 1819 | 2100 | 2150 | 54403 | 6 T 608 | 66403 | 7 T 709 | 72403 | 8 T 808 | 80406 | 809 | 813 | 9 T 911 | 90416 | 913 | 95424 | L508D | L608D | LKO1113B | LP1013 | LP1113 | LPK1113 | LPS1113B | O 309 | OF1113 - **Puma:** 914 4.0 - **Same:** Especial/Special - **SLC:** 7700 Turbo

Valmet: 110 225-6 5.7 | 118 D229-6 5.9 | 118 PID A 229-6 TV Alc. 5.9 | 128 4X4 D 229-6 VS | 128 4X4 PID A 229-6 Alcool | 128 D229-6 VS 5.9 | Valtra 785

Volkswagen: 11130 | 13130 | 6.90 | 7.90 | 7110

MOTOR**Iskra:** AZJ3118 | AZJ3449 | AZJ3548 | 11130229 | 11130254 | 11130407 | 11130409 | 11130412 | 11130484 | 11130491 | 11130823 | 11130824 | 11131651**EQUIVALENTE / Equivalent****Iskra:** 16901658

1076**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 132

APLICAÇÃO / Application / Aplicación

Agrale: 2229-4 Mueller Vibro RT 62, 83 Com Motor MWM 229-4 | MWM D 229-3, D 229-4, D 229-6, TBD 229-EC-6, TD 229-6 | Série 1800-D / TX 1600 Com Motor MWM 229-3 - **Bautz:** Especial/Special - **Carraro:** Especial/Special - **Eicher:** Especial/Special - **Fendt:** Especial/Special - **Lamborghini:** Especial/Special - **Lombardini:** Especial/Special - **Mercedes Benz:** Especial/Special - **SLC:** D 229-3, D 229-4, D 229-6, TBD 229-EC-6, TD 229-6 - **Valmet:** 110ID Com Motor MWM D 225-3, 4, 6 | 62ID Com Motor MWM D 225-3, 4, 6 | 65ID Com Motor MWM D 225-3, 4, 6 | 685 Com Motor MWM D 225-3, 4, 6 | 85ID Com Motor MWM D 225-3, 4, 6

MOTOR

Bosch: 0001354006 | 0001354012 | 0001354021 | 0001354025 | 0001354041 | 0001354048 | 0001354055 | 0001354068 | 0001354085 | 0001354087 | 0001355009 | 9000083015

EQUIVALENTE / Equivalent

Bosch: 2006208011 | 2006209022 | 2006209030 | 2006209183 | 2006209900 | 9001083444

1090**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Ford: F250 Cummins ISBe4 | F350 Cummins B Aftercooler 3.9 | F4000 Cummins B Aftercooler 3.9 - **John Deere:** 5600 - **Volkswagen:** 17210 | Caminhão 13180 MWM

MOTOR

Lucas Indiel: 35259580 | 35259620 | 35259630 | 35259640 | 35259660 | 35259870 | 35262634

EQUIVALENTE / Equivalent

Lucas Indiel: 229873 | 35259873

1112**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Mercedes Benz: 1418 R Com motores OM 364 e OM 366 em 12V | 1720 Com motores OM 364 e OM 366 em 12V | 1720 K Com motores OM 364 e OM 366 em 12V | 710 Com motores OM 364 e OM 366 em 12V | L 1620 Com motores OM 364 e OM 366 em 12V | LO 0814 Com motores OM 364 e OM 366 em 12V | OF 1721 Com motores OM 364 e OM 366 em 12V | OH 1420 Com motores OM 364 e OM 366 em 12V | OH 1621L Com motores OM 364 e OM 366 em 12V | OH 1623 Com motores OM 364 e OM 366 em 12V - **TCM Equipment Ag:** Motores 28MT 12/24V

MOTOR

Mercedes Benz: A0051518301 - **Remy:** 10479645 | 10479651 | 10479652

EQUIVALENTE / Equivalent

Remy: 10484659 | 10524228 | 10524228L - **WAI:** 54182

1134**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Fiat: Duna | Fiorino 1.7 Diesel | Palio 1.7 Turbo Diesel | Uno 1.7 Diesel - **Ford:** Pick Up (USA) 4.9 / 5.8 | Tiger Tug (USA) - Cummins - **Renault:** 19 1.7, 1.8 | Clio 1.4 | Clio F8Q 1.9 Diesel | Express F8Q 1.9 Diesel | Megane 2.0 | R19 F8Q 1.9 Diesel

MOTOR

Lucas Indiel: 35258400 | 35258420 | 35258460 | 35258560 | 35258720 | 35258840

EQUIVALENTE / Equivalent

Lucas Indiel: 220210

1157**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Fiat Iveco: Eurocargo - **New Holland:** Trator TL 75E

MOTOR

Bosch: 0001230007 | 0001230009 | 0001230010 | 0001230023 | 0001231010 | 0001231011 | 0986018980 | 9007044015 - **John Deere:** 500325145 | 500338952 | 504059251 - **Lester:** 18374

EQUIVALENTE / Equivalent

Bosch: 6033AD0148 | 6033AD3104 | 6033AD3120 | 6033AD3130 | 6033AD4141 - **WAI:** 5491159

1180**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Mercedes Benz: Still Fork Lifts | Unimong S 404 | Unimong U650

1180**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

MOTOR**Bosch:** 0001363106 | 0001363119 | 0001363120**EQUIVALENTE / Equivalent****Bosch:** 2006209478 | 2006209501 - **Mercedes Benz:** 0001517913 | 0001519701 | 0001519713**1190****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Cummins: Motor Serie C - **Ford:** Caminhão 1519 Ford 7.8 lts | Caminhão 1521 Ford 7.8 lts | Caminhão 1621 Ford 7.8 lts | Caminhão 2318 Ford 7.8 lts | Caminhão 2321 Ford 7.8 lts | Caminhão 3021 Ford 7.8 lts | Caminhão 3323 Ford 7.8 lts | Caminhão Cargo CF 7000. - **Müeller:** Compactador Cummins série C - **New Holland:** HTA7 | HTA8 | TC7 | TC8 | TCP7 | TCP8 - **Volkswagen:** Caminhão 13.210 Cummins 6 cil Turbo | Caminhão 14.210 Cummins 6 cil Turbo | Caminhão 14170 CUM-6 CT 8,3lts (Eq. primario) | Caminhão 14210 CUM-6 CT 8,3lts (Eq. primario) | Caminhão 16170 CUM-6 CT 8,3lts (Eq. primario) | Caminhão 16210H turbo Charger CUM-6 CT 8,3lts (Eq. primario) | Caminhão 16220H turbo Charger CUM-6 CT 8,3lts (Eq. primario) | Caminhão 22.210 Cummins 6cil. Turbo | Caminhão 24220 CUM-6 CT 8,3lts (Eq. primario)

MOTOR**Bosch:** 0001370001 | 9000453029 | 9000453066**EQUIVALENTE / Equivalent****Bosch:** 9001453670 - **Facet:** 480217 | 480324 - **Lester:** 4899 - **Remy:** 830622 | 1846089 - **WAI:** 54191 | SP9011 - **Wapsa:** 224056**1194****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

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**1195****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Bobcat: Especial/Special - **Clark:** Especial/Special - **Deutz:** Allis 12/24V - **Hyster:** Empilhadeira - **Massey Ferguson:** Maxion 9110 | Maxion 9130 | Maxion 9150 | Maxion 9170 | MF265 | MF270 | MF275 | MF285 | MF290 | MF292 | MF295 | MF296 | MF400 | MF50X | MF55X | MF65R | MF65X | MF85X | MF86 | MF95 | MF95I - **Müeller:** Especial/Special - **New Holland:** Especial/Special - **Perkins:** Estacionários, Industrias | Tratores

MOTOR**Remy:** 1113274 | 1113275 | 1113278 | 1113281 | 1113282 | 1113284 | 1113285 | 1113288 | 1113289 | 1113290 | 1113297 | 10479607**EQUIVALENTE / Equivalent****Lester:** 6572 | 6576 | 6578 | 6581 | 6584 | 6587 | 6588 | 6593 | 6600 | 6602 - **Remy:** D2054 | 10457057 - **WAI:** 548402**1196****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Bobcat: Melroe - **Clark:** Especial/Special - **Hyster:** Empilhadeira - **New Holland:** Especial/Special - **Perkins:** Estacionários, Industrias | Tratores

MOTOR**Remy:** 1113273 | 1113279 | 1113280 | 10479606 | 10479613**EQUIVALENTE / Equivalent****Lester:** 6571 | 6575 | 6586 - **Remy:** 10457058 | 10457168 - **WAI:** 548407**1204****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Fiat: Hitachi Excavator FH400 8215 13.8L Diesel - **Fiat Allis:** Crawlers 14C 8205 Diesel 1986...1989 | Crawlers 14CL 8205 Diesel 1986...1989 | Crawlers FD-14 8205 Diesel 1984...1989 | Crawlers FD-20 8215 Diesel 1981...1995 | Excavator FE-45 8215 Diesel 1988...1993 | Excavator FH-400 8215 Diesel 1990...1993 | Loader FL-14D 8205 Diesel 1985...1986 | Tractor - Agricultural FA-200 8215 Diesel 1984...1990 | Wheel Loader FR-20 8215 Diesel 1987...1991 | Wheel Loader FR-20B 8215 Diesel 1986...1995 | Wheel Loader FL-20 8215 Diesel 1979...1995

1204**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

EQUIVALENTE / Equivalent

WAI: 54172

1205**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Agco: AGCO Trator MF 2360 Cummins - **Caterpillar:** Colheitadeira MT 875. | Motoniveladora 120H - **Hyster:** Empilhadeira Cummins 1997 - **Mercedes Benz:** 1632L | 1632LS | 1634LS | 1938L | 1938LS | 1938S | 1944L | 2638 | 2638LK | 2638LS | Demais aplicações com Turbo Brake, exceto Plataforma O 400 mecânico ...07/2004 | O 500R, RSD e RSE | OF 1722 | OH 1628L | Plataformas O 400RSD e SRE 06/2002...07/2004

MOTOR

Remy: 10461417 | 10478818 | 10478961 | 10479109 | 10479292 | 10479310

EQUIVALENTE / Equivalent

Facet: 10641 - Lester: 6630 | 6633 | 6634 | 6662 | 6664 | 6666 - Remy: 10472565 | 10472565L - WAI: 54153

1210**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

TCM Equipment Ag: Série 42 MT 12/24V | Série 50 MT 12/24V

MOTOR

Remy: 10478898

EQUIVALENTE / Equivalent

Lester: 6631 | 6635 - Remy: 10476528 - WAI: 54154

1224**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación

Ford: Bronco 4.9 lts 1992 | Bronco 5.0 lts 1992...1996 | Bronco 5.8 lts 1992...1996 | F Séries Pick Up 5.0 lts 1992...1998 | F Séries Pick Up 5.8 lts 1992...1996 | F1000 4.9L 6 cil a gasolina | F150 | Ranger - **Valmet:** Trator

MOTOR

Ford: SA769 | SA771 | SA774 | SA775 | SA776 | SA777 | SA784 | SA790 | SA800 | SA807 | SA769A | SA771A | F0011002A | E90Y11002A | E90Y11002B | E9SZ11002A | E9SZ11002B | F02Z11002A | F00Y11002A | F0T211002A | F13Z11002A | F23Z11002A | F23Z11002B | F2DZ11002A | F2TZ11002A | F3DZ11002A | FOFZ11002A | FOTZ11002A | FOTZ11002B | E90F11000BA | E9SF11000AA | E9SF11000BA | F02U11000AA | F00U11000AA | F13U11000AA | F23U11000AA | F23U11000BC | F2DU11000AA | F2DU11000BA | F2TU11000AA | F3DU11000AA | F02F11000AA | F07U11000AA | F07U11000BA | FOCF11000BA | FOCU11000BA

EQUIVALENTE / Equivalent

Ford: E90Z11350A | F0TZ11002A | F5DZ11350A | F07U11000AA | F2TU11000AA - **Lester:** 3204 | 3205 | 3213 | 3217 | 3224 | 3232 | 3238 | 3239 | 3240 | 3241 | 3246 | 3247 | 3264 | 3266 | 3268 | 3269 | 3270 | 3271 | 3272 | 3273 | 3274 - **WAI:** 54212

1359**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

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. 133

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:** 110ID 08/1977... | 118 08/1977... | 128 08/1977... | 138 08/1977... | 138/4 Turbo 08/1977... | 148 08/1977... | 78 08/1977... | 85ID 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

1502**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 133

APLICAÇÃO / Application / Aplicación**Escort Tractor:** Especial/Special**EQUIVALENTE / Equivalent****Lucas:** 26253081**1556****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Case: CX27B V8 3TNV82 2005... | CX31B V8 3TNV88 2005... | CX36B V8 3TNV88 2005... - **Opel:** Astra F 1.7 td 01/1995...01/1998 | Corsa | Vectra A 1.7L T DSL 1994...1995 | Vectra B 1.7L T DSL 1995...1997 - **Vauxhall:** Astra F Estate 1.7L T DSL 1996...1998 | Vectra B 1.7L T DSL 1995...1996 - **Yanmar:** 2YM15 2 cil Diesel 2004... | 3JH3 3 cil Diesel 1999...2003 | 3JH3E 3 cil Diesel | 3JH3E-YEU 3 cil Diesel | 3JH4E 3 cil Diesel 2003... | 3TNE88 1997... | 3YM20 3 cil Diesel 2004... | 3YM30 1.1L/68CI 3 cil Diesel 2004... | 4JH3E 4 cil Diesel 1994...2003 | 4TNE88 1997... | Diesel 4JH-3

MOTOR**Hitachi:** S114808 | S114815 | S114883 | S114884 | S114814A | S114817A - **Lester:** 18219 | 18328**EQUIVALENTE / Equivalent****Hitachi:** 211425554**1592****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Mitsubishi: Empilhadeira SG 25 - **Nissan:** Lift Trucks H30 Vários Modelos | Lift Trucks AEH Z24 | Lift Trucks AH A15 | Lift Trucks AH H20 | Lift Trucks APH A15 | Lift Trucks ASH A15 | Lift Trucks CEGH Z24 | Lift Trucks CEH Z24 | Lift Trucks CPH A15 | Lift Trucks CPH H20 | Lift Trucks CPH Z24 | Lift Trucks CRGH H20 | Lift Trucks CRGH Z24 | Lift Trucks EGH H20 | Lift Trucks EH A15 | Lift Trucks EH H20 | Lift Trucks H01 A15 Gas. | Lift Trucks H01 H20 Gas. | Lift Trucks H02 H20 Gas. | Lift Trucks H02 Z24 LPG | Lift Trucks KAH A15 | Lift Trucks KAH H20 | Lift Trucks KAP H20 | Lift Trucks KAP H25 | Lift Trucks KCEH H20 | Lift Trucks KCEH H25 | Lift Trucks KCH02 H20 Gas. | Lift Trucks KCH02 H25 Gas. | Lift Trucks KCPH A15 | Lift Trucks KCPH H20 | Lift Trucks KCUH H20 | Lift Trucks KCUH H25 | Lift Trucks KEGH H20 | Lift Trucks KEGH H25 | Lift Trucks KEH H20 | Lift Trucks KEH H25 | Lift Trucks KH01 A15 Gas. | Lift Trucks KH01 H20 Gas. | Lift Trucks KH02 H20 Gas. | Lift Trucks KH02 H25 Gas. | Lift Trucks KPH A15 | Lift Trucks KPH H20 | Lift Trucks KUGH H20 | Lift Trucks KUGH H25 | Lift Trucks PH01 A15 | Lift Trucks PH02 A15 | Lift Trucks RGH02 A15 | Lift Trucks UF03 H30 | Lift Trucks UGF03 H30 | Lift Trucks YF03 H30 | Lift Trucks YGF03 H30 | Lift Trucks Z24 Vários Modelos

TCM Equipment Ag: Lift Trucks FHG20N H25 | Lift Trucks FHG20N Z24 | Lift Trucks FHG25N H25 | Lift Trucks FHG25N Z24 | Lift Trucks FHG30N H25 | Lift Trucks FHG30N Z24

MOTOR**Mitsubishi:** MOT65381 | MOT65581 | M1T60081 | M1T60181 | M1T60581 | M000T65381 | M000T65581 - **Nissan:** 23300F4U10 | 23300FU410 | 23300GS20A

1592**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

EQUIVALENTE / Equivalent

Mitsubishi: M191T12971 - WAI: 548342

1595**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Caterpillar: Blue Bird USA Cat 3126 7.2 - International: Navistar DT 444E V8 7.3 - John Deere: 1550/608 1H 6 Cil | 7820/608 1H 6 Cil | Trator 4045 4 cil 4.5 Gradall

MOTOR

Lucas Indiel: 35259260 | 35259520 | 35259830 | 35259840 | 35260830 | 35260840

EQUIVALENTE / Equivalent

Lucas Indiel: 35260832

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

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

1600**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Case: CS 110 Sisu 4 cil Turbo 4.4 | CS 130 Sisu 6 cil Turbo 6.6 | CS 68 Sisu 3 cil Turbo 3.3 | CS 75 Sisu 3 cil Turbo 3.3 | CS 78 Sisu 4 cil Turbo 4.4 - Landini: Atlas 75 Perkins 1004 4 - Massey Ferguson: AA 550 Perkins / MWM 6 cil | AA 660 Perkins / MWM 6 cil | MF 200 Perkins / MWM 4, 6 cil | MF 2600 Perkins / MWM 4, 6 cil | MF 3060 Perkins A4.248 | MF 3065 Perkins AT4.236 | MF 34 yl Perkins / MWM 6c | MF 38 Perkins/MWM 6 cil | MF 383 Perkins - A4.236 | MF 400 Perkins / MWM 4, 6 cil | MF 400X Perkins / MWM 4, 6 cil | MF 4200 Perkins / MWM 4, 6 cil | MF 500 Perkins / MWM 4, 6 cil | MF 5200 Perkins / MWM 4, 6 cil | MF 5300 Perkins / MWM 4, 6 cil | MF 8140 620DE | MF 8150 620DS | MF 8160 634DS | MF 8250 634DWE 7.4 | MF 8280 645.142DSBIE 8.4 - Sampo Rosenlew: SR 2035 4 cil | SR 2045 4 cil Turbo | SR 2055 6 cil | SR 2065 6 cil Turbo | SR 2075 TS 6 cil Turbo | SR 2085 TS 6 cil Turbo | SR 3045 620DSEL 6.6 | SR 3065 620DSBAEL 6.6 - Ursus: C-330M/335 S312C | C-360 S4003 - Valtra: 255 320D | 355 320D | 365S 320DS Turbo | 455 320DS Turbo | 465 320DS Turbo | 504 310B 2.7 | 565 320DS Turbo | 604 311C/CS 3.3 | 6100 320DS Turbo | 620DSBIE 7.4 | 6300 420 4.4 | 6400 420DS/DW | 6600 320DS Turbo/420DS | 665S 420D | 6750 420DWRIE 4.4 | 6800 420DWI | 6850 420DWRIE 4.4 | 800 | 8000 620D | 805 | 805-4 TD44DS8(411DS8) 4.4 | 8050 | 8050 620 DS 6.6 | 8100 | 8150 | 8200 | 8350 620DSI | 8400 | 8400 620DS Turbo | 8450 620 DWRE 6.6 | 8450 620DS Turbo | 8550 634DSRE 7.4 | 8550,875 634DS Turbo | 865 420DS Turbo | 8950 634DSBIE | 900 420DSRE 4.4 | All Models | C100 420DS Turbo | C15,C20 420DS | C200 420DS | Mega 8050 620D | Mega 8150 620D | Mega 8550 620DS | Mega 8750 634 DA, DS | S260 645DSBAE 8.4 | X120 420DWRIE 4.4

MOTOR

Iskra: AZJ320 | AZJ3234 | AZJ3319 | AZJ3405 | 11130692 | 11130897 | 11131249

EQUIVALENTE / Equivalent

Iskra: 16902733 | 16904847

1602**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Agco: Agco/M.F./Perkins M93R12V - Massey Ferguson: Colheiteadeira 3640 | Colheiteadeira 5650 - Perkins: 3152 | 4203 | 4236 | 6305 | 6354 - ZEN: Utiliza Planetária 12675

MOTOR

Lucas Indiel: 35259310 | 35261175

EQUIVALENTE / Equivalent

Lucas Indiel: 229916 | 35259916

1603**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Cummins: C 6ct 83 | C 6cta 83 - Volkswagen: Titan Cummins C | Worker Cummins - Zanello: 500 | 540 | 580 | 690

1603**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

MOTOR

Lucas Indiel: 35261135 | 35261395 | 35261740 | 35261780 | 35262190

EQUIVALENTE / Equivalent

Lucas Indiel: 35261134 | 35261527

1604**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Mercedes Benz: Motor Cummins 6B Eletrônico 5.9 - Volkswagen: Caminhão Constellation 24.250 | Ônibus Cummins 6B Eletrônico 5.9 - Zanello: 160 - PTRAC | 180 - PTRAC

MOTOR

Lucas Indiel: 35259240 | 35261770 | 35262020 | 35262460 - Volkswagen: 2W0911023C

EQUIVALENTE / Equivalent

Lucas Indiel: 35260958

1616**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Bedford: TL 1000 330 | TL 1260 330 | TL 1630 330 Turbo (107 bhp) | TL 860 330 - **Case:** 1820 | ACCO1820 | TX36 - **JCB:** 420 / 430 | 4CX Turbocharged/Intercooled | 807C | 811 | 812 | 814 | 817 | 818 | 820 | Fastrac (635) 125 | Fastrac (635) 145 | JCB Fastrac (636) 125 | JCB Fastrac (636) 135 | JCB Fastrac (636) 155 | JCB Fastrac (636) 187 - **Landini:** 1000S A6.354.4 | 12500 A6.354.4 | 13000 A6.354.4 | 14500 A6.354.4 | 65 A4.236 | 6560 F/L/V A4.236 | 6860 A4.236 | 6880 A4.236 | 75 A4.236 | 7560 F/L A4.236 | 7860 A4.236 | 7880 A4.236 | 85 A4.248 | 8560 F/L A4.248 | 8860 A4.248 | 8880 A4.248 | 9080 T4.236 | 95 T4.236 | 9880 T4.236 | C 75 A4.236 | C 85 A4.248 | C 95 T4.236 | CF 6830 A4.236 | CF 75 A4.236 | CF 85 A4.248 - **Mahindra:** Especial/Special - **Massey Ferguson:** MF 102 Perkins-A6.372 | MF 102 Perkins-AT6.354 | MF 105 | MF 1080 Perkins A4.318 | MF 1080 S-4RM Perkins A4.318 | MF 1085 A4.318 | MF 11 | MF 1100 Perkins A6.354 | MF 1104 | MF 1114 Perkins A6.354 | MF 1250 Séries Perkins A6.354.4 | MF 178 Perkins A4.248 | MF 186 | MF 201 | MF 205 | MF 206 | MF 207 | MF 30 D | MF 3060 / 3065 | MF 307 | MF 3070 Perkins AT4.236 | MF 374 S,V,F Perkins A4.236 | MF 394 S,F Perkins A4.248 | MF 487 | MF 50 10TD Perkins A4.236/A4.318 | MF 50 10TD/9TD Perkins A4.236/A4.212 | MF 50 9TD / EX Perkins A4.236 | MF 506 | MF 510 | MF 520 / 525 Perkins A6.354 | MF 592 / 595 Perkins A4.318 | MF 6150 1004-4THR | MF 6160 1006-6 | MF 620 / 625 Perkins A6.372 | MF 675 9TD/10TD Perkins A4.236 | MF 685 | MF 690 9TD/10TD Perkins A4.248 | MF 9500 Séries Perkins A6.354 | TX 45

New Holland: 158 | 175 | 2000 | 201 | 2514 E 256 C.I | 256 | 2600 | 2610 | 2810 | 2910 | 3000 | 3230 BSD332 | 3310 01.91 ...01/1991 | 3310X4 01.91 ...01/1991 | 3430 | 3600 | 3610 | 3900 | 3910 ...01/1991 | 3910 H | 3930 H | 4000 | 401C.I | 401C.I ...01/1991 | 4100 | 4130 H 4.4 | 444 01.91 ...01/1991 | 4600 | 4610 ...01/1991 | 4630 | 5000 | 550 | 555 | 5600 | 5610 ...01/1991 | 5640 Powerstar | 5700 | 5900 | 620 Combine ...01/1991 | 622 Combine ...01/1991 | 654 County | 655 A | 6600 | 6610 ...01/1991 | 6700 | 6710 ...01/1991 | 6810 | 7000 | 7410 | 754 County | 7600 | 7610 | 764 County | 7700 | 7710 ...01/1991 | 774 County | 7810 | 7910 | 8000 | 8200 ...01/1991 | 8260 Powerstar 7.5 | 8530 | 8600 | 8630 | 8700 | 8830 | 9000 | 910 Speed Power ...01/1991 | 912 Speed Power ...01/1991 | 944 County | 9600 | 964 County | 9700 | 974 County | BSD442 | M Série 7,5 ...09/1995 | NH 95 M8Y ...01/1996 | P357 e 358 ...01/1991 | Séries 10,L/Cab - **Renault Agri:** 70-12 SP Perkins 4.236 | 70-14 SP Perkins 4.236 | 70-32 PA/PE/PS/PX Perkins 4.236 | 70-34 PA/PE/PS/PX Perkins 4.236 | 701-4F Perkins 4.236 | 80-12 SP Perkins 4.248 | 80-14 SP Perkins 4.248 | 80-32 PA/PE/PS/PX Perkins 4.248 | 80-34 PA/PE/PS/PX Perkins 4.248 | Ceres 75 2X4/4X4 Perkins 4.236 | Ceres 75X 2X4/4X4 Perkins 4.236

MOTOR

Iskra: AZJ3144 | AZJ3148 | AZJ3151 | AZJ3182 | AZJ3198 | AZJ3201 | AZJ3203 | AZJ3205 | AZJ3206 | AZJ3212 | AZJ3248 | AZJ3306 | AZJ3315 | AZJ3352 | AZJ3357 | AZJ3445 | AZJ3447 | 11130509 | 11130520 | 11130526 | 11130579 | 11130624 | 11130627 | 11130629 | 11130631 | 11130632 | 11130659 | 11130711 | 11130875 | 11130890 | 11130998 | 11131018 | 11131626 | 11131635 - **Mahle:** MS49 | MS95 | MS149 | MS228 | MS267 | MS268 | MS273 | MS307 | MS343 | MS345 | MS346 | MS347 | MS357 | MS368 | MS374 | MS385

EQUIVALENTE / Equivalent

Iskra: 16901694 - Mahle: MSX734

1621**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Agrale: Trator 4230 CAT 3126 M790 | Trator 4230.4 CAT 3126 M790

MOTOR

Lucas Indiel: 35260890 - Prestolite: 35260890

EQUIVALENTE / Equivalent

Lucas Indiel: 35260975 - Prestolite: 35260975

1622**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Agco: Agco/M.F. M93R12V - **International:** Jacto Perkins 1006/ T | Maxion S4 | Perkins 1006/ T | Retroescavadeira Maxion S 4 - **Massey Ferguson:** Maxion 3000 Perkins 4000 4.1 | MF 265 Perkins A4.236 3.9 | MF 275 Perkins P4000 4.1 | MF 283 Perkins P4000 4.1 | MF 290 Perkins P4000 4.1 | MF 292 Perkins P4000 4.1 | MF 5275 Perkins Série 4.41 4.1 | MF 5285 Perkins Série 4.41 4.1 | MF 52902 Perkins Série 4.41 4.1 | MF 5300 Perkins 1004 4T 4.0 | MF 5310 Perkins 1004 4T 4.0 | MF 86HS Perkins 4.236 4.0 | MF 96 Perkins 4000 4.1

MOTOR

Lucas Indiel: 35259300 | 35260940 | 35260950 | 35261070 - **Prestolite:** 35260940 | 35260950 | 35261070

EQUIVALENTE / Equivalent

Lucas: 229278 | 35259278 - **Lucas Indiel:** 229278 | 35259278 - **Prestolite:** 229278 | 35259278

1624**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Fiat: 440 | 450 | 455 | 50 | 60 | 65 | 70 | 80 | 85 - **Ford:** 3010S 1992...1996 | 3830 1992...1996 | 4010S 1992...1996 | 4030 1992...1996 | 5010S 1996... | TN55 | TN55D | TN55S | TN65 | TN65 Turf | TN65D | TN65S | TN65V | TN70 | TN70D | TN70S | TN75 | TN75D | TN75S | TN75V - **New Holland:** Especial/Special | Trator

MOTOR

Bosch: 0001223503 | 0001223504 | 0001362105 - **Iveco:** 500338953 - **Lucas Indiel:** LRS1976 | LRS01976 - **Magneti Marelli:** MSN2036

EQUIVALENTE / Equivalent

Bosch: 6033AD0331

1631**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Audi: A4 2.5 TDI | A6 2.5 TDI | A8 2.5 TDI | Quattro - **Skoda:** Super B 2.5 TDI - **Volkswagen:** Passat 2.5 TDI | Syncro 4 Motion

MOTOR

Bosch: 0001109021 | 0001109022 | 0001109066 | 0001109067

EQUIVALENTE / Equivalent

Bosch: 1006209666 | 1006209936

1633**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Tramontini: Trator T3230 4 Série Brasil | Trator T5045 4 Série Brasil

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

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

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

1636**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 134

APLICAÇÃO / Application / Aplicación

Agrale: Trator 4100 | Trator 4100.4

MOTOR

Lucas Indiel: 35259570

EQUIVALENTE / Equivalent

Lucas Indiel: 229902 | 35259902

1637**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación**John Deere:** Colheitadeira 1165 | Colheitadeira 1175 | Colheitadeira 1450 | Trator 6605 6 cil | Trator 7500 | Trator 7505 6 cil**MOTOR****John Deere:** AJ59342 | AJ60123 | RE509856 | RE509857 - **Lucas Indiel:** 35259390 | 35259590 | 35259600 | 35259690**EQUIVALENTE / Equivalent****Lucas Indiel:** 229912 - **Prestolite:** 229912**1638****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

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**1647****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación**John Deere:** 1420 3 e 4 cil | 2140 6359 / 4239D | 2330 3 e 4 cil | 2420 3 e 4 cil | 2530 3 e 4 cil | 2730 3 e 4 cil | 2850 6359 / 4239D | 3140 6359 / 4239D | 3350 6359 / 4239D | 3420 | 3530 | 3540 6359 / 4239D | 3550 6359 / 4239D | 4420 | 4530 6 cil | 5320N 3029T 3 cil 2.9 | 5410 4.5 4 CIL | 5520N 4045T 4 cil 4.5 | 5600 4039 D 3.9 | 5649 | 5700 4039T 4 cil 3.9 | 627 | 6300 4039T 4 cil 3.9 | 6600 6059T 6 cil 5.9 | 727 6 cil | Bulldozer 570 | Bulldozer 570A**MOTOR****Lucas Indiel:** 35261385**EQUIVALENTE / Equivalent****Lucas Indiel:** K01554 - **Prestolite:** 35261543**1655****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación**Audi:** S 3 Quattro | TT Coupe 1.8 - **Linde:** Empilhadeira - **Seat:** Alhambra 1.9 TDI | Cupra 4 | Lean 1.8 | Lean 2.8 V6 - **Volkswagen:** Bora 1.9 TDI | Caravelle 2.5 e 2.8 TDI | Golf 1.9 TDI | Sharan 1.9 TDI**MOTOR****Bosch:** 0001125016 | 0001125017 | 0001125018 | 0001125019 | 0001125046 | 0001125047 | 0001125048 | 0001125049 | 0001125605 | 0001125606**EQUIVALENTE / Equivalent****Bosch:** 1006209681 | 1006209943**1656****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación**Especial/Special:** Motor de Popa - **John Deere:** Lawn 400 Lawn Tractor Kohler 19.9HP 1975...1982 - **Johnson Evinrude:** 50 / 70HP - **Kohler :** Small Engine Air Cooled K482 0000 | Small Engine Air Cooled K532 0000 | Small Engine Air Cooled K582 0000**MOTOR****John Deere:** AM34753 | AM37725 - **Kohler :** 4109805 | 4509804 | 4509805 | 4809801 | 4809802 | 4809804 | A277214 | A277599 - **OMC:** 384777 | 386657 | 583473 | 583482 | 585050 | 585059 | 585063 | 585459 | 586280 | 5032433**EQUIVALENTE / Equivalent****Raisman:** OM90050**1678****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación**Class:** Trator 6.8 L DPS 6068TRT, 6 cyl. 147HP 01/2003...12/2005 - **Lovol:** Motor 1004-4 Perkins - **Massey Ferguson:** Combine Perkins 1006-60 | MF 4292 | MF 5465 Perkins 6-cyl | MF 8140 620DE | MF 8150 620DS | MF 8160 634DS | MF 8210 155 HP | MF 8220 | MF 8250 634DWE 7,4 L - **New Holland:** Trator - **Perkins:** Motor 1006-6 6 cyl 6.6L | Motor 1006-60 6.6L - **Valtra:** BT150 Sisu 620DS 6cyl. 150HP 6.6L 08/2009... | BT170 Sisu 620DS 6cyl. 170HP 6.6L 08/2009... | BT190 Sisu 620DSA 6cyl. 190HP 6.6L 08/2009... | BT210 Sisu 634DSA 6cyl. 08/2009... | Trator

1678

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

FOTO / Photo pg. 135

MOTOR

Iskra: AZF4102 | AZF4115 | AZF4116 | AZF4119 | AZF4122 | AZF4129 | AZF4131 | AZF4132 | AZF4135 | AZF4143 | AZF4158 | AZF4159 | AZF4160 | AZF4164 | AZF4170 | AZF4183 | AZF4184 | AZF4185 | AZF4196 | AZF4204 | AZF4205 | AZF4206 | AZF4208 | AZF4214 | AZF4228 | AZF4242 | AZF4243 | AZF4245 | AZF4246 | AZF4247 | AZF4248 | AZF4254 | AZF4258 | AZF4260 | AZF4266 | AZF4270 | AZF4283 | AZF4287 | AZF4288 | AZF4291 | AZF4304 | AZF4520 | AZF4524 | AZF4541 | AZF4542 | AZF4550 | AZF4553 | AZF4562 | AZF4568 | AZF4569 | AZF4570 | AZF4595 | AZF4597 | AZF4598 | 11130904 | 11130941 | 11131060 | 11131065 | 11131092 | 11131145 | 11131191 | 11131227 | 11131228 | 11131237 | 11131370 | 11131375 | 11131382 | 11131397 | 11131430 | 11131433 | 11131436 | 11131464 | 11131488 | 11131507 | 11131508 | 11131520 | 11131550 | 11131611 | 11131612 | 11131613 | 11131640 | 11131658 | 11131705 | 11131706 | 11131709 | 11131763 | 11131782 | 11131783 | 11131784 | 11131792 | 11131811 | 11131856 | 11131893 | 11131894 | 11131896 | 11131897 | 11131898 | 11131900 | 11131930 | 11131945 | 11131965 | 11131987 | 11132012 | 11132056 | 11132069 | 11132070 | 11132073 | 11132118

EQUIVALENTE / Equivalent

Iskra: 16902379

1679

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

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Agrale: Caminhão 13000 Com Motor MWM 6.10 TCA | Caminhões 10.000, 14.000 e 14.000 6X2 Com Motor MWM MaxxForce 4.8H. EURO V 01/2012... | Caminhões 6000, 8500 e 9200 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Chassis MA 7.9, MA8.5, MA9.2, MA10.0, MA12.0, MA15.0 e MT12.0 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Furgovan 8000 Com Motor MWM 4.10 TCA | Ônibus MA12.0, MA15.0, MT15.0 LE, MA10.0 e MA9.2 Com Motor MWM MaxxForce 4.8HEURO V 01/2012... | Ônibus Volare W8, W9 e V8 Com Motores MWM 4.10 TCA ...2008 | Ônibus W8, W9 e V8 Com Motores MWM 4.12 TCE 2008... - **BMW:** Motor MWM 4.10TCA AGRAL CAMINHAO 8500D | Motor MWM 4.12TCE Agrale MA 12 185CV | Motor MWM 4.12TCE ITEC MIDI BUS (América Latina) | Pulverizadora Montana Parruda 2627M e 2627H Com Motor MWM 4.10L TCA 07/2012... - **Case:** Motoniveladora 845, 845.2, FG 140.2 | Motoniveladora RG140B e 845 com transmissão ZF | Pá Carregadeira W20, 521D, 621D, W130
Fiat Allis: Pá Carregadeira FR128 - Substitui 10479654 | Trator de Esteira 7D - Substitui 10479654 - **Ford:** Caminhões C1722e (4x2), C2422e(6x2), C2622e (6x4), C2428e (6x2), C2628e (6x4) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 | Caminhões C815e (4x2), C1317e (4x2), C1517e (4x2), C1717e (4x2) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 - **Freightliner:** Caminhões M2 Com Motor MB906/904 - **Mercedes Benz:** Axor 1419, 1719, 1726, 1726 4x4, 1729S, 2426 6x2 e 2429 6x2 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA - Euro V 01/2012... | Axor 1933, 2533, 2826, 2828, 2831 Com Motores eletrônicos OM906 e OM 926 | Caminhões 710, 712E, 1418R, 1720, 1720K, L1620 - Chassi de Ônibus LO 712, LO 812 Com Motores mecânicos 12V OM 364 e OM 366) - 29MT | Caminhões 712C, 715, 714C, 915C, 1215, 1218EL, 1218L, 1418 EL, 1418L, 1718, 1725 | Caminhões Família Accelo: 815 e 1016 Com Motor eletrônico 24V OM 924 LA - Euro V 01/2012... | Caminhões Família Atron: 1319, 2324, 2729K (Basculante), 2729B (Betoneira) e 2729 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA -Euro V 01/2012... | Chassi de ônibus LO 914, 0500M, 0500U, 0500R, OF 1417, OF1418, OF 1518, OF 1721, Com Motores eletrônicos 24V OM 904, OM 906, OM 924 eOM 926 | Família Atego (1315, 1418, 1518, 1718, 1725, 2425), L1318, 2423B,2423K, L1620 | Fora de Estrada Família Axor: 2831K (Basculante), 2831B (Betoneira) e 2831P (Plá Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... | Ônibus Boxer e Torino Com Motor OM904/906 12V | Ônibus Rodoviário O500M 1826 BUGGY e O500R 1830 Com Motor eletrônico OM926 LA - Euro V 01/2012... | Ônibus Urbano OF1519,OF1721, OF1724, O500M 1826, O500U 1826 Com Motores eletrônicos 24V OM 924 LA eOM 926 LA - Euro V 01/2012... | Rodoviário Família Axor 1933 e 2533 Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... - **Navistar:** Ônibus 4700 Com Motor MWM 4.8L euro II y III - **New Holland:** Motoniveladora 140 | Pá Carregadeira 12C | Trator de Esteira 7D - **Remy:** Serie 29MT Ger.III (Novo) - **Volkswagen:** Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil ...09/2009 | Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil 10/2009... | Caminhões 8-150 Eletr Delivery Puls, 9-150E, 10-150E, 13-180E, 15-190E 06/2009... | Caminhões 9-150 Eletr Delivery Com Motor Cummins 01/2010... | Caminhões constellation 13-180, 15-180, 17-260, 26-260E, 31-260E Motor MWM Eletrônico 4 e 6 Cilindros | Caminhões Worker 8-120 EuroII e III, 13-180 Euro II e III, 15-180 Euro III,17-18 Motor MWM 4 e 6 cilindros | Delivery 5.150, 8.160 e 9.160 3.8L Com Motor Cummins ISF (Euro V) 01/2012... | Ônibus 17-230EOD/V-tronic e 17-260EOD/ V-tronic Motor MWM Eletrônico 4 e 6 Cilindros com Transmissão ZF | Ônibus 8-150 ODC / FEB, 9-150 ODC Com Motor Cummins ISB 4 e 6 cil | Ônibus 8.120 OD Euro II e III Motor MWM 4 cilindros - **Volvo:** VM 210, 260, 310 Com Motores MWM 4.12TCE e 6.12TCE ...12/2011 - **ZEN:** Utiliza Pinhão ZEN 12954 | Utiliza Pinhão ZEN 12955 | Utiliza Pinhão ZEN 12956 | Utiliza Pinhão ZEN 12957 | Utiliza Pinhão ZEN 12961

MOTOR

Remy: 8200003 | 8200004 | 8200014 | 8200054 | 8200064 | 8200065 | 8200103 | 8200138 | 8200196 | 8200231 | 8200292 | 8200295 | 8200296 | 8200297 | 8200326 | 8200331 | 8200357 | 8200386 | 8200387 | 8200400 | 8200474 | 8200478 | 8200495 | 8200511 | 8200512 | 8200564 | 8200816 | 8200826 | 8200848 | 8200853 | 8200854 | 8200875 | 8200882 | 8200884 | 8200885 | 8200886 | 8200887 | 8200889 | 8200890 | 19011400 | 19011402 | 19011403 | 19011407

EQUIVALENTE / Equivalent

Remy: 10515810 | 10515811 - **WAI:** 541403

1690

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

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

CBT: 8240 4.248 JF 12v ...01/ 1984 - **General Motors/Chevrolet:** Série D - d20 Plus Maxion S4T JF 12V ...03/1992... 10/1996 - **Massey Ferguson:** MF 1630 A 6.354-4 e 1630 A 4284 JF 12V ...01/1981 | MF 3640 A 6.358 A JF 12V ...01/1973 | MF 3640 Perkins 1006-6 JF 12V ...05/1996 | MF 5650 A 6.354.4 JF 12V ...01/1982 | MF 5650 Perkins 1006-6T JF 12V ...05/1996 | MF 5650 Turbo AT 6.354.4 JF 12V ...03/1988 | MF 6845 Perkins 1006-6T JF 12V ...12/1994 | MF 6855 Perkins 1006-6TW JF 12V ...10/1993 | MF 6865 Perkins 1006-6T JF 12V ...09/1994 - **Maxion:** Ideal 9075 Perkins 1006-6 JF 12V ...09/1994 | Ideal 9090 Perkins 1006-6T JF 12V ...10/1993 | Ideal 9090 Perkins 1006-6TW JF 12V ...12/1994 - **Mercedes Benz:** OF 1113 OM 366 JF 12V ...09/1987 | OH 1113 OM 366 A JF 12V ...01/1988 | Série 9 T - 917 OM 366 A JF 12V ...01/1988

MOTOR

Bosch: F000AL0135

EQUIVALENTE / Equivalent

Bosch: F000AL2712

1693**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación**Massey Ferguson:** Trator 6270 | Trator 6280 | Trator 6290 | Trator com Motor Perkins**MOTOR****Magneti Marelli:** 63280040 | 63280041 - **Perkins:** 2873K404 | 2873K405**EQUIVALENTE / Equivalent****Cargo:** 235663 - **WAI:** 549314**1698****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Case: CS 105 PRO Sisu 4Cil 102 HP 4.4 | CS 130 | CS 78 Sisi 4 Cil Turbo 4.4 | CS 85 PRO Sisu 4 Cil 85HP 4.4 | CS 94 Sisu 4 Cil Turbo 4.4 | CS 95 PRO Sisu 4 Cil 93HP 4.4 | CVX 140 Sisu 6 Cil 141 HP 6.6 | CVX 150 Sisu 6 Cil Turbo 150 HP 6.6 | CVX 160 Sisu 6 Cil 160 HP 6.6 | CVX 170 Sisu 6 Cil Turbo 170 HP 6.6 | CVX 190 Sisu 6 Cil 196 HP 6.6 - **Crystal Tractor:** Orion 16 Sisu Diesel - **JCB:** Fastrac 8280 Sisu 6 Cil Tier 4 279 HP 8.4 | Fastrac 8310 Sisu 6 Cil Tier 4 306 HP 8.4 - **Massey Ferguson:** MF 32 Sisu 620DS 6 Cil | MF 34 Sisu 634DSA 6 Cil | MF 4292 (cab) (Brasil) Sisu 420DS 4 Cil | MF 4292 (plat) Sisu 420DS 4 Cil | MF 4297 Sisu 420DS 4 Cil | MF 4297 (cab) (Brasil) Sisu 420DS 4 Cil | MF 4297 (plat) Sisu 420DS 4 Cil | MF 4299 Sisu 420DSA 4 Cil | MF 4299 (plat) Sisu 420DSA 4 Cil | MF 4299 (plat) (Brasil) Sisu 420DSA 4 Cil | MF 4445 Sisu Diesel 44DTA 4 Cil 101HP 4.4 | MF 4445 Sisu Diesel 44DTA 4 Cil 88HP 4.4 | MF 460 XTRA (cab) (Brasil) Sisu 44DTA 4 Cil | MF 460 XTRA (plat) Sisu 44DTA 4 Cil | MF 470 XTRA (cab) (Brasil) Sisu 44DTA 4 Cil | MF 470 XTRA (plat) Sisu 44DTA 4 Cil | MF 480 XTRA (cab) (Brasil) Sisu 44DTA 4 Cil | MF 480 XTRA (plat) Sisu 44DTA 4 Cil | MF 5465 Sisu Diesel 66CTA 6 Cil | MF 5470 Sisu Diesel 44CTA 4 Cil 4.4 | MF 5480 Sisu Diesel 49CTA 4 Cil 4.9 | MF 5650 (Brasil) Sisu 620DS 6 Cil | MF 6350 Sisu 620DS 6 Cil | MF 6360 Sisu 634DSA 6 Cil | MF 6460 Sisu 44CTA 4.4 | MF 6470 Sisu 44CTA 4.4 | MF 6485 Sisu Diesel 66CTA 130kW 6.6 | MF 6490 Sisu Diesel 66CTA 6.6 | MF 6495 Sisu Diesel 66CTA 6.6 | MF 6497 Sisu Diesel 74CTA 7.4 | MF 6499 Sisu Diesel 74CTA 7.4 | MF 7140 Sisu 620DS 6 Cil | MF 7145 Sisu 634DSA 6 Cil | MF 7150 Sisu 620DS 6 Cil | MF 7170 Sisu 620DS 6 Cil | MF 7180 Sisu 620DS 6 Cil | MF 7330 Sisu 620DS 6 Cil | MF 7350 Sisu 620DS 6 Cil | MF 7370 Sisu 620DS 6 Cil | MF 7390 Sisu 620DS 6 Cil | MF 7415 Sisu 634DSA 6 Cil | MF 7485 Sisu Diesel 66CTA 6 Cil 6.6 | MF 7490 Sisu Diesel 66CTA 6.6 | MF 7495 Sisu Diesel 66CTA 6.6 | MF 7497 Sisu Diesel 74CTA 7.4 | MF 7499 Sisu Diesel 74.392CTA-4V 165kW 7.4 | MF 8160 634DS | MF 8250 634DWE 7.4 | MF 8450 Sisu Diesel 6 Cil 7.4 | MF 8460 Sisu Diesel 6 Cil Tier III 7.4 | MF 8470 Sisu Diesel 6 Cil 8.4 | MX 720 | MX 750 | Sprayer Sisu 620DS 6 Cil - **McCormick:** Tele-Trac Sisu 44-CWA-2V 4.4 - **Pioneira:** Pioneira Sisu 420DS 4 Cil

Sampo Rosenlew: 3065L Sisu Diesel 44DT 4 Cil | SR1046X Sisu Diesel 44DT 4 Cil | SR1066 Sisu Diesel 44DT 4 Cil | SR3045C Sisu Diesel 44DT 4 Cil | SR3085L TS Sisu Diesel 44DT 4 Cil - **Sisu Diesel:** 4.9 CWA 4 Cil 175HP 4.9 | 444CTA 4 Cil | 84 CTA-4V SCR 8.4 - **Valtra:** 44 DT, ETA, EWA, DW 4.4 | 6200 44DT 4.4 | 6250 Hi 44DT 4.4 | 6300 44DT 4.4 | 6350 Hi 44DT 4.4 | 6400 44ET 4.4 | 6550 Hi 44ET 4.4 | 66 ETA 6.6 | 6850 Hi 44EWI 4.4 | 6900 | 74 ETA 8.4 | 84 ETA, DTA 8.4 | A750L Sisu 420D 4 Cil | A85N/A85L 44DT 4.4 | A950 Sisu 420DS 4 Cil | A95N/A95L 44DT 4.4 | A990 Sisu 420DS 4 Cil | BC4500 Sisu 620DS 6 Cil | BH145 Sisu 620DS 6 Cil | BH165 Sisu 620DS 6 Cil | BH180 Sisu 620DS 6 Cil | BH180i Sisu 620DSA 6 Cil | BH205i Sisu 620DSA 6 Cil | BM100 Sisu 420DS 4 Cil | BM110 Sisu 420DS 4 Cil | BM125i Sisu 420DSA 4 Cil | BT150 Sisu 620DS 6 Cil | BT170 Sisu 620DS 6 Cil | BT190 Sisu 620DSA 6 Cil | BT210 Sisu 620DSA 6 Cil | S280 84ETA 8.4

MOTOR**Agco:** 836873088 - **CNH:** 87751000 - **Iskra:** AZF4141 | AZF4154 | AZF4190 | AZF4513 | 11130836 | 11131542 | 11131602 | 11131727 - **Sisu Diesel:** 836673290 | 836866817 - **Valtra:** 83646500**EQUIVALENTE / Equivalent****Iskra:** 16904776**1699****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Bomag: Máquinas rolos compactadores simples 3.6 | Máquinas rolos compactadores vibratório 3.6 - **Deutz:** Motores - **Gehl:** Mini carregadeira 4640 2.3 BF3M2011 | Mini carregadeira SL5635 F4M1011F 01/1997... | Mini carregadeira SL5635DXT BF4M1011F 01/1997... - **Hamm:** Máquinas Compactadoras 3.1 e 3.6 - **Multiquip:** Máquinas de Concreto LS400 3.6 BF4L2011 - **Valtra:** 685 | 685ATS

MOTOR

Iskra: IS1165 | AZE4148 | AZE4211 | AZE4213 | AZE4222 | AZE4223 | AZE4224 | AZE4240 | AZE4242 | AZE4256 | AZE4282 | AZE4290 | AZE4566 | 11131223 | 11131598 | 11131974 | 11131983 | 11132051 | 11132057 | 11132058 | 11132155 | 11132157 | 11132196 | 11132377 | 11132425 - **Lester:** 31258 - **Mahle:** MS211 | MS224 | MS394 | MS641 | MS658 | IS1381 - **Valtra:** 221561 | 83645200

EQUIVALENTE / Equivalent**Iskra:** 16902815 | 16911403 - **Mahle:** MSX656

1700

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

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Bobcat: Skid Steer L.TL360 - **Case:** JX 60 NEF 4Cil 60HP 4.5 | JX 70 NEF 4Cil 72HP 4.5 | JX 80 NEF 4Cil 82HP 4.5 | JX60 3.2 2009... | JX70 3.2 2008... | JX80 3.2 2008... | Mini carregadeira SR200 3.2 | Mini carregadeira SR250 3.2 | Mini carregadeira SV250 3.4 | Mini carregadeira SV300 3.4 | Quantum 65C NEF 4Cil Tier III 60HP 3.2 | Quantum 75C NEF 4Cil Tier III 78HP 3.2 | Retroescavadeira 580ST 3.4 | Retroescavadeira 590STSN 3.4 | Retroescavadeira 695ST 3.4 | Trator Farmall 105C 3.4 2013... | Trator Farmall 105U 3.4 2008... | Trator Farmall 105UPRO 3.4 2014... | Trator Farmall 110U 3.4 | Trator Farmall 115U 3.4 2008... | Trator Farmall 120 3.4 | Trator Farmall 130 3.4 | Trator Farmall 55C 3.2 2008... | Trator Farmall 65C 3.2 2008... | Trator Farmall 75A 2015... | Trator Farmall 75C 3.2 2008... | Trator Farmall 85A 3.2 | Trator Farmall 85C 3.4 2012... | Trator Farmall 95C 3.4 2012... | Trator Farmall 95U 3.4 2008... | Trator Farmall 95UPRO 3.4 2012... | Trator Quantum 65C 3.2 | Trator Quantum 65V 3.2 | Trator Quantum 75C 3.2 | Trator Quantum 75FNV 3.2 | Trator Quantum 85FV 3.2 - **Claas:** Trator Elios 210 3.2 | Trator Elios 220 3.2 | Trator Elios 230 3.2 | Trator Nexos 210F, VE, VL 3.2 | Trator Nexos 220F, VE, VL 3.2 | Trator Nexos 230F, VE, VL 3.2 - **CNH:** F5C8 3.2 4cil. | F5C8 4Cil 3.2 - **Euromacchine:** Motor FT22 3.2 | Motor J8 305 3.2 | Motor LA01AO 3.2 | Motor LA01SP 3.2 | Motor LA02SP 3.2 | Motor MP01IC 3.2 | Motor MP02IC 3.2 | Motor MP03IC 3.2 | Motor TF23 3.2 | Motor TH40I 3.2 | Motor TH50I 3.2

Landini: Atlantis 100 | Atlas 70 - 80 - 85 - 90 - 100 | Frutteto | Ghibli 80 - 85 - 90 - 95 - 100 - 105 | Globalfarms 95 - 105 | Globus 65 - 75 - 80 | Mythos 90 - 100 | Powerfarm 75 - 80 - 85 - 90 - 95 - 100 - 105 | Rex 70 - 75 - 80 - 85 - 90 - 95 - 100 - 105 | Vigneto | Vision 85 - 95 - 100 - 105 - **Massey Ferguson:** MF 200 | MF 290 | MF 3680 | MF 4200 | MF 4290 | MF 5200 | MF 5300 | MF 6270 | MF 6280 - **MCCormick:** 80 - **New Holland:** 7630 2007... | 7630 (plat) NEF TC 78kW 4Cil | 8030 2007... | 8030 (plat) NEF TAA 90kW 4Cil | Pulverizador Patriot 250 4.5 | Pulverizador SP2500 4.5 | T4 T4100LP 3.4 2017... | T4 T4105 3.4 2011...2013 | T4 T4105V, N, F 4.5 2013... | T4 T4110F 3.4 2017... | T4 T4110LP 3.4 2017... | T4 T4115 3.4 2012... | T4 T455 3.2 2013... | T4 T465 3.2 2011...2013 | T4 T465V 3.2 2013... | T4 T475 3.4 2011... | T4 T475V, N, F 3.2 2013... | T4 T480LP 3.4 2017... | T4 T480V, N, F 3.4 2017... | T4 T485 3.4 2009... | T4 T485V, N, F 3.4 2011... | T4 T490V, N, F 3.4 2017... | T4 T495 3.4 2011...2013 | T4 T495 3.4 2013... | T4 T495V, N, F 4.5 2013... | T5 T5105 3.4 2012... | T5 T5110 4.5 2017... | T5 T5115 3.4 2012... | T5 T5120 4.5 2017... | T5 T5130 4.5 2017... | T5 T575 3.4 2015... | T5 T595 3.4 2012... | T6 T6110 4.5 | T6 T6120 4.5 2012... | T6 T6130 4.5 | TD TD4020F 3.2 2009...2013 | TD TD4030F 3.2 2009...2013 | TD TD4040F 3.2 2009...2013 | TD5 TD5105 3.4 | TD5 TD5115 3.4 | TD5 TD585 3.2 2013... | TD5 TD585 3.4 | TD5 TD595 3.4 | Trator 7030 | Trator de esteira TK4020V 3.2 2009... | Trator de esteira TK4030 3.2 2009... | Trator de esteira TK4030F 3.2 2009... | Trator de esteira TK4030V 3.2 2009... | Trator de esteira TK4040 3.2 2009... | Trator de esteira TK4040M 3.2 2009...2013 | Trator de esteira TK4050 3.2 2009... | Trator de esteira TK4060 3.2 2009...2013 | Trator de esteira TK4110M 3.4 2017... | Trator Farm T4020 3.2 2008... | Trator Farm T4020V 3.2 2008... | Trator Farm T4030 3.2 2008... | Trator Farm T4030F 3.2 2008... | Trator Farm T4040F 3.2 2008... | Trator Farm T4040V 3.2 2008... | Trator Farm T4050 4.5 2008... | Trator Farm T4050V 4.5 2008... | Trator Farm TD5010 3.2 2008... | Trator TS6000S 2007... | Trator TS6020 2007... | Trator TS6030 2007... | Trator TS6040 2007... | TS6000 Standard (cab) NEF TC 66kW 4Cil | TS6020 (cab) NEF TAA 82kW 4Cil | TS6030 (cab) NEF TAA 90kW 4Cil | TS6040 (cab) NEF TAA 97kW 4Cil - **Perkins:** 1103 D | 1104 D | 1106 C - **Steyr Daimler Puch AG:** Kompakt 3.2 | Kompakt 3.4 | Multi 3.4 | Multi 3.4 2013...

MOTOR

Bosch: 0001223507 - **Caterpillar:** 3127539 - **CNH:** 82036365 | 84208918 | 87398251 | 87583927 | 504388220 - **Iskra:** IS1189 | AZE4123 | AZE4125 | AZE4128 | AZE4139 | AZE4150 | AZE4151 | AZE4156 | AZE4159 | AZE4165 | AZE4170 | AZE4172 | AZE4173 | AZE4190 | AZE4192 | AZE4194 | AZE4195 | AZE4197 | AZE4199 | AZE4201 | AZE4204 | AZE4207 | AZE4208 | AZE4214 | AZE4215 | AZE4221 | AZE4226 | AZE4227 | AZE4247 | AZE4248 | AZE4573 | AZE4579 | 11131035 | 11131036 | 11131050 | 11131112 | 11131216 | 11131279 | 11131315 | 11131424 | 11131526 | 11131535 | 11131544 | 11131570 | 11131605 | 11131606 | 11131659 | 11131696 | 11131716 | 11131780 | 11131781 | 11131793 | 11131890 | 11131892 | 11131921 | 11131932 | 11131942 | 11131946 | 11131963 | 11131964 | 11131966 | 11131975 | 11131984 | 11131989 | 11131990 | 11132050 | 11132067 | 11132068 | 11132165 | 11132166 - **Iveco:** 504015749 - **Lester:** 19860 - **Mahle:** MS24 | MS204 | MS205

EQUIVALENTE / Equivalent

Iskra: 16902507 | 16902560 | 16907197 - **Mahle:** MSX52 - **WAI:** 549510

1701

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

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Case: CS 110 Sisu 4 Cil Turbo 4.4 | CS 68 Sisu 3 Cil Turbo 3.3 | CS 75 Sisu 3 Cil Turbo 3.3 - **Massey Ferguson:** MF 3625 V/S/F/GE Sisl Diesel 33 DTA 3.3 | MF 3635 V/S/F/GE Sisl Diesel 33 DTA 3.3 | MF 3640 V/S/F/GE Sisl Diesel 33 CTA 3 Cil 82HP 3.3 | MF 3645 Sisl Diesel 33 DTA 3.3 | MF 3650 S/F/GE Sisl Diesel 33 CTA 3 Cil 92 HP 3.3 | MF 3655 Sisl Diesel 33 DTA 3.3 | MF 4435 Sisl Diesel 33 DTA 3 Cil 74 HP 3.3 - **Valmet:** A 75N/A75L 33 DTA 3.3 | A 85N/A85L 44DT/33DTA 4.4 | A 95N/A95L 44DT/33DTA 4.4 - **Valtra:** A650 Sisu 320D 3 Cil 2010... | A750 Sisu 320DS 3 Cil 2009... | A850 Sisu 320DS 3 Cil 2009... | BF65 Sisu 320D 3 Cil 2008... | BF75 Sisu 320DS 3 Cil 2008...

MOTOR

Agco: 83646400 | 836667365 | 836673289 - **Iskra:** IS1064 | AZE4122 | AZE4166 | AZE4171 | AZE4209 | AZE4540 | AZE4597 | 11131116 | 11131426 | 11131515 | 11131728 | 11131773 | 11131970 - **Sisu Diesel:** 836673289 | 836867365 - **Valtra:** 83646400

EQUIVALENTE / Equivalent

Iskra: 16907455

1709

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

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

John Deere: 5200 | 5300 | 5303 | 5310 | 5400 | 5410 | 5500 | 5510

MOTOR

Iskra: AZE4169 | AZE4185 | AZE4228 | AZE4261 | 11131751 | 11131761 | 11131833 | 11132084 | 11132227 - **John Deere:** RE551444

EQUIVALENTE / Equivalent

Iskra: 16902653

1711**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Especial/Special: Retroescavadeira Chinesa - **Foton:** Pá Carregadeira FL 917

MOTOR

Foton: QD263**1713****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 135

APLICAÇÃO / Application / Aplicación

Agrale: Trator Motor M795W Bicilíndrico

MOTOR

Lucas Indiel: 35261810

EQUIVALENTE / Equivalent

Lucas Indiel: 35261976**1719****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Lucas Indiel: Motores Indiel M100R - **New Holland:** TM135E | TM150E | TM165 | TM180 | TS100 | TS110

MOTOR

Lucas Indiel: 35261445

EQUIVALENTE / Equivalent

Lucas Indiel: 35261625**1722****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Daihatsu: Rocky F80 - **Especial/Special:** Motocicletas - **JCB:** Escavadeira - **Mazda:** B2200 - **Toyota:** 2S | 2Y | 2Y 2.2 | 3Y | Camry | Carina | Celica | Corolla | Dyna | Hilux | JR 7 | MR 2 | Tercel - **ZEN:** Utiliza Pinhão ZEN 9186

MOTOR

Daihatsu: 2810072010 - **Ishikawajima:** 185086240 | 185086340 - **Kubota:** 1550463011 | 1574163011 - **Nippondenso:** 280004010 | 280004343 | 280004450 | 280005900 | 280005912 | 280006001 | 280006120 | 280006332 | 280006362 | 280006450 | 280006930 | 280007321 | 280007392 | 280007560 | 280007620 | 280008050 | 280008060 | 280008220 | 280008261 | 280008290 | 280008320 | 280008850 | 280009070 | 280009260 | 280009380 | 280009711 | 280009720 | 280009860 | 1280000101 | 1280000220 | 1280000230 | 1280000500 | 1280000510 | 1280001370 | 1280001440 | 1280001441 | 1280001520 | 1280001630 | 1280002060 | 1280003340 | 1280003350 | 1280003590 | 1280003670 | 1280003990 | 1280004420 | 1280005110 | 1280005261 | 1280005410 | 1280005700 | 1280005780 | 1280005781 | 1280005840 | 1280005850 | 1280007090 | 1280007100 | 1280007330 | 1280007680 | 1280007690 | 1280007912 | 1280008070 | 1280008080 | 1280008240 | 1280008560 | 2280000311 | 2280000580 | 2280000960 | 2280001100 | 2280001110 | 2280001710 | 2280002020 | 2280002121 | 2280002300 | 2280002610 | 2280002620 | 2280002682 | 2280002691 | 2280002701 | 2280002760 | 2280002770 | 2280002851 | 2280002880 | 2280003200 | 2280003290 | 2280004320 | 2280004330 - **Toyota:** 2810010040 | 2810010060 | 2810013010 | 2810015020 | 2810015040 | 2810015070 | 2810015130 | 2810015180 | 2810016020 | 2810016080 | 2810016110 | 2810027010 | 2810027030 | 2810027050 | 2810027060 | 2810031010 | 2810034060 | 2810034080 | 2810034100 | 2810041060 | 2810042040 | 2810042050 | 2810044030 | 2810044050 | 2810045033 | 2810045050 | 2810051031 | 2810060070 | 2810063020 | 2810063050 | 2810072010 | 2810072020 | 2810072030 | 2810072040 | 2810072050 | 2810072060 | 2810072070 | 2810072090 | 2810072100 | 2810072110 | 2810073010

EQUIVALENTE / Equivalent

Cargo: 132004 - **Honda:** 31204657617 - **Ishikawajima:** 185866150 - **Isuzu:** 8941291870 - **Kubota:** 1550463041 - **Lester:** 16248 | 16251 | 16578 | 16586 | 16600 | 16612 | 16674 | 16735 | 16736 | 16737 | 16759 | 16760 | 16761 | 16786 | 16790 | 16802 | 16821 | 16823 | 16825 | 16826 | 16827 | 16828 | 16829 | 16831 | 16833 | 16834 | 16837 | 16878 | 16892 | 16895 | 16906 | 16911 | 16913 | 17002 | 17003 | 17027 | 17125 | 17143 | 17171 | 17240 | 17251 | 17256 | 17345 | 17420 | 17422 | 17481 | 17487 | 17521 | 17530 | 17537 | 18181 | 18182 - **Nippondenso:** 0283001600 | 0283001601 | 0283001602 | 0283001603 | 0283001790 | 0283001791 | 0283001800 | 0283002000 | 0283002110 | 0283002111 | 0283002270 | 0283003630 | 0283003631 | 0283004160 | 0283006940 - **Toyota:** 2801120540 | 2801126041 | 2801126042 | 2801135030 | 280110710 - **Unipoint:** SD5053

1726**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Valtra: Motores M100R | Trator

MOTOR

Lucas Indiel: 35259360

EQUIVALENTE / Equivalent

Lucas Indiel: 229697 | 35259697

1733**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Especial/Special: Cooplantio - **Jimna:** Trator 25HP | Trator 45HP

MOTOR

ZM: 8148001 | 8148002

1744**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Tramontini: Tratores Tramontini**1751****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Atlas: Carregadeira Ar 105, 105 E TCD 4,1 L4 105kW Tier 4i | Carregadeira Ar 95 e Super TCD 4,1 L4 95kW Tier 4i | Escavadeira 160W TCD2012 L06 2V 143HP Tier 3 | Escavadeira 190LC TCD2012 L06 2V 143HP Tier 4 | Escavadeira 340LC TCD2013 L06 2V 226PS Tier 4 | Manipuladora de Materiais 180MH, 200MH TCD2012 L06 2V 143HPTier 4 | Manipuladora de Materiais 350MH TCD2013 L06 2V 226PS Tier 4 | Manipuladora de Materiais 400MH TCD6,1 L6 238PS Tier 4i | Manipuladora de Materiais 520MH TCD2013 L06 2V248PS | Rolos Compactadores AW 1110, AW 1120 TCD2012 L04 96kW | Rolos Compactadores AW 1130, AW 1140 TCD2012 L04 103kW

Atlas Copco: Compressores XAHS 146 C3, XAS 186 C3, XATS 156 C3 Deutz TCD 2012 4 Cil. 82kW | Compressores XAHS 186 C3, XAVS 166C3 Deutz TCD 2013 4 Cil. 104kW | Máquina Fresadora de Asfalto PL1000T TCD2012 L06 2V 6 Cil 150kW - **Bomag:** Terraplanadora BM 500/15, BM 600/15 - **Claas:** Máquina Scorpion 7030 Deutz TCD 2012 L04 2V 102HP | Máquina Scorpion 7040 Deutz TCD 2012 L04 120HP | Máquina Scorpion 7045 Deutz TCD 2012 L04 140HP | Máquina Scorpion 7055 TCD 4,1 L4 115kW Tier 4i | Máquina Scorpion 9040 Deutz TCD 2012 L04 140HP | Máquina Scorpion 9055 TCD 4,1 L4 | Máquina Scorpion 6030 TD2011 L04 75kW - **Deutz:** Tratores K410, K420, K430, K610 Deutz TCD2012 L04 | Tratores M600, M610, M620 Deutz 2012 L06 2V | Tratores M640, M650 Deutz 2012 L06 4V - **KHD:** Motor Náutico BFM1012 | Motores BF6L913, BF6L913C 6 Cil | Motores F3L912, F3L913 3 Cil | Motores F4L912, F4L913 4 Cil | Motores F6L912, F6L913 6 Cil - **Lamborghini:** Tratores R3 85, 100 Evo Deutz 2012 EURO II - **Liebherr:** Escavadora A309 Litronic TCD2012 L04 2V 4Cil 65kW | Escavadora A311 Litronic TCD2011 L04W 4Cil 68kW | Escavadora R313 Litronic TCD2012 L04 2V 4Cil 75kW | Escavadora R317 TCD2013 L04V III-A 90kW - **Volvo Penta:** Motor Náutico T5D5A 150HP

MOTOR

Iskra: AZF4302 | AZF4309 | AZF4310 | AZF4312 | AZF4313 | AZF4314 | AZF4339 | 11132114 | 11132137 | 11132138 | 11132140 | 11132141 | 11132142 | 11132231

EQUIVALENTE / Equivalent

Iskra: 16911910

1753**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Tramontini: Tratores Tramontini TR18

EQUIVALENTE / Equivalent

Tramontini: 20210088**1754****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Bobcat: Carregador de Madeira - **Clark:** Mini Carregadeira - **John Deere:** Colheitadeira de Algodão | Trator

MOTOR

Iskra: AZE4603 | AZE4620 | AZE4648 | AZE4649 | AZE4653 | AZE4654 | AZE4655 | 11131063 | 11131221 | 11131752 | 11131753 | 11131772 | 11131788 | 11131789

EQUIVALENTE / Equivalent

Iskra: 16908746

1772**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Especial/Special: Jumps Auto - **Massey Ferguson:** Especial/Special**1796****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Agrale: M790 | M90ID | M93 | M95W | Trator 4100 | Trator 4100.4 | Trator 4118 | Trator M790 | Trator M90ID

MOTOR

Unipoint: STR3302

1796	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
EQUIVALENTE / Equivalent		
Agrale: 7010010016006		

1805	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
APLICAÇÃO / Application / Aplicación		
<p>Agrale: Caminhão 13000 Com Motor MWM 6.10 TCA Caminhões 10.000, 14.000 e 14.000 6X2 Com Motor MWM MaxxForce 4.8H. EURO V 01/2012... Caminhões 6000, 8500 e 9200 Com Motores MWM 4.10 TCA e MWM 4.12 TCE Chassis MA 7.9, MA8.5, MA9.2, MA10.0, MA12.0, MA15.0 e MT12.0 Com Motores MWM4.10 TCA e MWM 4.12 TCE Furgovan 8000 Com Motor MWM 4.10 TCA Ônibus MA12.0, MA15.0, MT15.0 LE, MA10.0 e MA9.2 Com Motor MWM MaxxForce 4.8HEURO V 01/2012... Ônibus Volare W8, W9 e V8 Com Motores MWM 4.10 TCA ...2008 Ônibus W8, W9 e V8 Com Motores MWM 4.12 TCE 2008... - BMW: Motor MWM 4.10TCA AGRAL CAMINHAO 8500D Motor MWM 4.12TCE Agrale MA 12 185CV Motor MWM 4.12TCE ITEC MIDI BUS (América Latina) Pulverizadora Montana Parruda 2627M e 2627H Com Motor MWM 4.10L TCA 07/2012... - Case: Motoniveladora 845, 845.2, FG 140.2 Motoniveladora RG140B e 845 com transmissão ZF Pá Carregadeira W20, 521D, 621D, W130</p> <p>Fiat Allis: Pá Carregadeira FR128 - Substitui 10479654 Trator de Esteira 7D - Substitui 10479654 - Ford: Caminhões C1722e (4x2), C2422e(6x2), C2622e (6x4), C2428e (6x2), C2628e (6x4) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 Caminhões C815e (4x2), C1317e (4x2), C1517e (4x2), C1717e (4x2) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 - Freightliner: Caminhões M2 Com Motor MB906/904 - Mercedes Benz: Axor 1419, 1719, 1726, 1726 4x4, 1729S, 2426 6x2 e 2429 6x2 Com Motores eletrônicos24V OM 924 LA e OM 926 LA - Euro V 01/2012... Axor 1933, 2533, 2826, 2828, 2831 Com Motores eletrônicos OM906 e OM 926 Caminhões 710, 712E, 1418R, 1720, 1720K, L1620 - Chassi de Ônibus LO 712, LO 812 Com Motores mecânicos 12V OM 364 e OM 366) - 29MT Caminhões 712C, 715, 714C, 915C, 1215, 1218EL, 1218L, 1418 EL, 1418L, 1718, 1725 Caminhões Família Accelo: 815 e 1016 Com Motor eletrônico 24V OM 924 LA - Euro V 01/2012... Caminhões Família Atron: 1319, 2324, 2729K (Basculante), 2729B (Betoneira) e2729 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA -Euro V 01/2012... Chassi de ônibus LO 914, 0500M, 0500U, 0500R, OF 1417, OF1418, OF 1518, OF 1721, Com Motores eletrônicos 24V OM 904, OM 906, OM 924 eOM 926 Família Atego (1315, 1418, 1518, 1718, 1725, 2425), L1318, 2423B,2423K, L1620 Fora de Estrada Família Axor: 2831K (Basculante), 2831B (Betoneira) e 2831P (Pla Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... Ônibus Boxer e Torino Com Motor OM904/906 12V Ônibus Rodoviário O500M 1826 BUGGY e O500R 1830 Com Motor eletrônico OM926 LA - Euro V 01/2012... Ônibus Urbano OF1519,OF1721, OF1724, O500M 1826, O500U 1826 Com Motores eletrônicos 24V OM 924 LA eOM 926 LA - Euro V 01/2012... Rodoviário Família Axor 1933 e 2533 Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... - Navistar: Ônibus 4700 Com Motor MWM 4.8L euro II y III - New Holland: Motoniveladora 140 Pá Carregadeira 12C Trator de Esteira 7D - Remy: Serie 29MT Ger.II (Antigo) - Volkswagen: Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil ...09/2009 Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil 10/2009... Caminhões 8-150 Eletr Delivery Puls, 9-150E, 10-150E, 13-180E, 15-190E 06/2009... Caminhões 9-150 Eletr Delivery Com Motor Cummins 01/2010... Caminhões constellation 13-180, 15-180, 17-260, 26-260E, 31-260E Motor MWM Eletrônico 4 e 6 Cilindros Caminhões Worker 8-120 EuroII e III, 13-180 Euro II e III, 15-180 Euro III.17-18 Motor MWM 4 e 6 cilindros Delivery 5.150, 8.160 e 9.160 3.8L Com Motor Cummins ISF (Euro V) 01/2012... Ônibus 17-230EOD/V-tronic e 17-260EOD/ V-tronic Motor MWM Eletrônico 4 e 6 Cilindros com Transmissão ZF Ônibus 8-150 ODC / FEB, 9-150 ODC Com Motor Cummins ISB 4 e 6 cil Ônibus 8.120 OD Euro II e III Motor MWM 4 cilindros - Volvo: VM 210, 260, 310 Com Motores MWM 4.12TCE e 6.12TCE ...12/2011 - ZEN: Utiliza Pinhão ZEN 12954 Utiliza Pinhão ZEN 12955 Utiliza Pinhão ZEN 12956 Utiliza Pinhão ZEN 12957 Utiliza Pinhão ZEN 12961</p>		
MOTOR		
<p>Remy: 8200003 8200004 8200014 8200054 8200064 8200065 8200103 8200138 8200196 8200231 8200292 8200295 8200296 8200297 8200326 8200331 8200357 8200386 8200387 8200400 8200474 8200478 8200495 8200511 8200512 8200564 8200816 8200826 8200848 8200853 8200854 8200875 8200882 8200884 8200885 8200886 8200887 8200889 8200890 19011400 19011402 19011403 19011407</p>		
EQUIVALENTE / Equivalent		
Remy: 10515810 10515811		

1809	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
APLICAÇÃO / Application / Aplicación		
<p>Case: Case IH C9 Colheiteadeira de cana A8000 e A8800 com Motor Case IH C9 - Cummins: Motores C e ISC de 8,3 litros - Ford: Cargo 1622, 1630, 2422, 2425, 2622, 2626, 2630, 2631, 3222, 4030 6CTAA 8.3 litr com motor Cummins Cargo Eletrônico - 1932, 2632, 2932, 4532 e 5032 com motor Cummins ISL 8.3L 03/2011... Cargo Eletrônico - 2632, 2932, 4532 e 5032(Substituído por 38MT 8200486) ...03/2011 - Freightliner: M2 106 com motor Cummins ISB - Navistar: Caminhões Durastar com motor DT466 Caminhões Workstar com motor DT466 - Random: Caminhão Florestal RK 628C-F com motor Scania DC9 Caminhões Fora de Estrada RK- 430B, RK-430M, RK 628 C, RK 628 C-R com motores Scania DC09 - Remy: 38MT - Scania: Modelo: P 380 com motor DC 12 Euro 5 09/2006... Modelo: P 420 com motor DC 12 Euro 3 09/2004...09/2006 Modelo: P 420 com motor DC 12 Euro 5 09/2006... Modelo: P 420 DT 12 com motor Euro 4 09/2004... Modelo: P 470 com motor DT 12 Euro 3 Modelo: P 470 com motor DT 12 Euro 3 09/2004...09/2005 Modelo: P 480 com motor DT 12 Euro 4 09/2006... Modelo: R 380 com motor DC 12 Euro 5 09/2006... Modelo: R 420 com motor DC 12 Euro 3 02/2004...09/2006 Modelo: R 420 com motor DC 12 Euro 5 02/2006... Modelo: R 420 com motor DT 12 Euro 4 09/2004...08/2005 Modelo: R 420 com motor DT 12 Euro 4 09/2005... Modelo: R 470 com motor DT 12 Euro 3 04/2004...09/2006 Modelo: R 470 com motor DT 12 Euro 4 09/2005...08/2006 Modelo: R 480 com motor DT 12 Euro 4 09/2006... Modelo: T 420 com motor DC 12 Euro 3 09/2004...10/2005 Modelo: T 420 com motor DT 12 Euro 4 09/2004...10/2005 Modelo: T 470 com motor DT 12 Euro 3 09/2004...10/2005 Modelos: P 230, P 270, P 310 com motor DC 09 Euro 3 09/2004...09/2006 Modelos: P 230, P 270, P 310 com motor DC 09 Euro 4 09/2005... Modelos: P 340, P 380 com motor DC 11 Euro 3 09/2004...09/2006 Modelos: P 340, P 380 com motor DC 12 Euro 4 09/2005... Modelos: R 230, R 270, R 310 com motor DC 09 Euro 3 09/2004...09/2006 Modelos: R 230, R 270, R 310 com motor DC 09 Euro 4 09/2005... Modelos: R 340, R 380 com motor DC 11 Euro 3 03/2004...09/2006 Modelos: R 340, R 380 com motor DC 12 Euro 4 09/2005... Modelos: T 340, T 380 com motor DC 11 Euro 3 09/2004...10/2005 - Volkswagen: Caminhões 17-220, 17-310, 23-210, 23-220, 23-310, 24-220, 26-220, 26-260, 26-310 com motor Cummins 6CTAA 8.3 litros Caminhões 18-310, 19-320, 31-320 Caminhões 18.310 Titan Tractor Caminhões 31-370, 25-370, 19-370 com motor 9,3 litros internacional Ônibus 17-320 E, 18-320 EVO, 19-360 E, 24-320E, 25-320E, 25-370E, 25-400E Todos com motor Cummins Ônibus 19320EOT Quéops evolution com motor Cummins ISC 8,3 litros Titan Tractor e comstellation com motor Cummins ISC 8,3 litros - Volvo: Caminhões FH12 e NH12. Substitui Melco - ZEN: Utiliza Pinhão ZEN 13130 Utiliza Pinhão ZEN 13138</p>		
MOTOR		
<p>Remy: 8200005 8200025 8200053 8200072 8200075 8200077 8200078 8200242 8200356 8200486 8200733 19026027 19026035</p>		

1809	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
EQUIVALENTE / Equivalent		
Remy: 10512095 DR10512095 - WAI: 541404		

1810	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
APLICAÇÃO / Application / Aplicación		
Fiat Allis: Motoniveladora FG 170, FG 170.2, FG 200 e FG 200.2 - Freightliner: Cascadia com motor Cummins ISX Cascadia com motor DD13, DD15, DD16 Cascadia com motor Detroit S60 Cascadia com motor MBE4000 Century com motor CAT C15, Detroit S60 Century com motor MBE4000 Coronado com motor Cummins ISX Coronado com motor DD15, DD16, DD13 M2 106 com motor Cummins ISC M2 112 com motor DD13 Motor Cat C10/C12/C15, C11/C13/C15 Acert Cummins ISX, ISM, N14 e DDC 60 Séries Motor MBE 4000 Severe Duty com motor Cummins ISX Severe Duty com motor DD13 - Mack: Caminhões Granite com motor Mack MP8 Caminhões Granite com motor Mack MP8 Caminhões Pinnacle com motor Mack MP8 Caminhões TerraPro com motor Mack MP8 - Navistar: Caminhões Paystar com motor Cummins ISX/Cat Caminhões Prostar com motor Cummins ISX/Cat. Caminhões Transtar com motor Cummins ISX/Cat. - New Holland: Motoniveladora 170 e 200 Motoniveladora 865, 865.2, 885 e 885.2 - Remy: 39MT Geração III - Volvo: Caminhões VHD com motor Cummins ISX Caminhões VHD com motor D12 Caminhões VN com motor Cummins ISX Caminhões VN com motor D12 Motor Cummins ISX Motor D12 - ZEN: Utiliza Pinhão ZEN 13117 Utiliza Pinhão ZEN 13118 Utiliza Pinhão ZEN 13119		
MOTOR		
Remy: 8200050 8200081 8200085 8200087 8200090 8200101 8200201 8200287 8200288 8200289 8200290 8200291 8200308 8200329 8200330 8200417 8200421 8200431 8200433 8200434 8200435 8200436 8200446 8200468 8200469 8200519 8200572 8200605 8200606 8200699 8200719 8600612 19011514 19011518 19011519 19011521 19011522 19011523 19011524 19011527 19011529		
EQUIVALENTE / Equivalent		
Remy: 10526468 DR10526468 - WAI: 7618119		

1811	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
APLICAÇÃO / Application / Aplicación		
Case: Colheitadeira de Cana A7000 e A7700 com motor Cummins Motoniveladora 865, 865.2, 885 e 885.2 - Cummins: Geradores Cummins C350 D6, C400 D6 com motor Cummins NTA855 - Fiat Allis: Motoniveladora - FG 170, FG 170.2, FG 200 e FG 200.2 Trator de Esteira FD170 - Freightliner: Cascadia com motor Cummins ISX Cascadia com motor Detroit S60 Cascadia com motor MBE4000 Century com motor CAT C15, Detroit S60 Century com motor MBE4000 Coronado com motor Cummins ISX M2 106 com motor Cummins ISC Motor Cat C10/C12/C15, C11/C13/C15 Acert, Cummins ISX, ISM, N14 e DDC 60 Séries Motor MBE 4000 Prestolite MS2-510, MS2-511, MS2-514 Severe Duty com motor Cummins ISX Substitui Mitsubishi FL0379, MIB970379, Denso 428000-4451 Substitui Mitsubishi MK0077, 009T70077, 8MJ4298AM e VV0977, Denso 428000-4420, 4 - Kenworth: Motor Cat C10/C12, Cummins ISM, CatC9/C11/C13/C15 Acert e Cummins ISX Prestolite MS2-500, MS2-501, MS2-502, MS2-503, MS2-504, MS2-507, MS2-510, MS2-51 Substitui/Reemplaza Mitsubishi KW0779, M970979, M009T70979, PC0779, PC0979, PC13 Substitui/Reemplaza Mitsubishi PC1479, PC1579, PC1779, PC1879, PB0979, Denso 428 - Mack: Caminhões Granite com motor Mack MP10 Caminhões Granite com motor Mack MP7 Caminhões Granite com motor Mack MP8 Caminhões Mack com motor E-7 Caminhões Mack com motor Mack MP7 Caminhões Mack com motor Mack MP8 Caminhões Pinnacle com motor Mack E7 Caminhões Pinnacle com motor Mack MP10 Caminhões Pinnacle com motor Mack MP7 Caminhões Pinnacle com motor Mack MP8 Caminhões TerraPro com motor Mack E7 Caminhões TerraPro com motor Mack MP10 Caminhões TerraPro com motor Mack MP7 Caminhões TerraPro com motor Mack MP8 Substitui Mitsubishi MK0077, M009T0077, 8MJ4298AM, Denso 428000-4430, 428000-444 Substitui Mitsubishi MK1075, MK1078 Substitui Mitsubishi MK2078		
Navistar: Caminhões Paystar com motor Cummins ISX/Cat Caminhões Prostar com motor Cummins ISX/Cat Caminhões Transtar com motor Cummins ISX/Cat New Holland: Motoniveladora 170 e 200 - Peterbilt: Denso 428000-4420, 428000-5190 Motor Cat C10/C12, Cummins ISM, CatC9/C11/C13/C15 Acert e Cummins ISX 386, 388, com motor Cummins ISX Prestolite MS2-500, MS2-501, MS2-502, MS2-503, MS2-504, MS2-510, MS2-511, MS2-514 Substitui Mitsubishi KW0779, M970979, M009T70979, PC0779, PC0979, PC1379, PC1479 - Remy: 39MT Geração II - Volvo: Caminhões VHD com motor Cummins ISX Caminhões VHD com motor D12 Caminhões VHD com motor 13L. Com motor Volvo D13 Caminhões VN com motor 13L Caminhões VN com motor Cummins ISX Caminhões VN com motor D12 Caminhões VN com motor 11L. Caminhões VHD com motor 11L. Motor Volvo D11 Caminhões VN com motor 16L. Caminhões VHD com motor 16L. Com motor Volvo D16 Motor D12 Motor D12Substitui Mitsubishi VV0279, 20430285, 85103338, M009T70279 e 20520903 Prestolite MS2-500, MS2-501, MS2-502, MS2-503, MS2-504, MS2-507, MS2-510, MS2-51 Prestolite MS2-500, MS2-502, MS2-503, MS2-504, MS2-507, MS2-509, MS2-511 Substitui Mitsubishi 428000-4430, 428000-4440 Substitui Mitsubishi 8MJ5439M, MK0077, 009T70077, 8MJ4298AM, VV0776 e VV0977. De Substitui Mitsubishi IN0976, FL0579, FL0975, FL0777, M009T70579, MIB97059, MIB70 Substitui Mitsubishi VV1076 Motor Cummins ISX Substitui Mitsubishi VV1979 Substitui Mitsubishi VV2079 - ZEN: Utiliza Pinhão ZEN 13130 Utiliza Pinhão ZEN 13131 Utiliza Pinhão ZEN 13132		
MOTOR		
Remy: 8200032 8200034 8200039 8200040 8200041 8200050 8200081 8200085 8200087 8200090 8200101 8200182 8200201 8200223 8200287 8200288 8200289 8200290 8200291 8200417 8200469 8200572 19011507 19011509 19011511 19011512 19011513 19011514 19011518 19011519 19011521 19011522 19011523 19011527 19011529		
EQUIVALENTE / Equivalent		
Remy: 10511410 DR10511410 - WAI: 541401		

1828	IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE STARTER DRIVE / IMPULSOR DE PARTIDA	FOTO / Photo pg. 136
APLICAÇÃO / Application / Aplicación		
Allis Chalmers: Tratores - Case: Máquinas - Cummins: Motores - Deutz: Tratores		

1828**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

MOTOR

Denso: 280004800 | 280005300 | 280005301 | 280005510 | 280005511 | 280005530 | 280005531 | 280005532 | 280005541 | 280005543 | 280005550 | 280005551 | 280005552 | 280005553 | 280005560 | 280005561 | 280005570 | 280005571 | 280005620 | 280005660 | 280005661 | 280005690 | 280005691 | 280005692 | 280005693 | 280005832 | 280005833 | 280005834 | 280005835 | 280005840 | 280005841 | 280005850 | 280005860 | 280005862 | 280005863 | 280005871 | 280005890 | 280005891 | 280006060 | 280006061 | 280006062 | 280006200 | 280006201 | 280006290 | 280006291 | 280006340 | 280006341 | 280006460 | 280006461 | 280006462 | 280006463 | 280006590 | 280006591 | 280006780 | 280006870 | 280006871 | 280006872 | 280006880 | 280006881 | 280006882 | 280006891 | 280006892 | 280006893 | 280006900 | 280006901 | 280006902 | 280006910 | 280006911 | 280006912 | 280006950 | 280006951 | 280007140 | 280007241 | 280007242 | 280007400 | 280007540 | 280007542 | 280007731 | 280007732 | 280007800 | 280007801 | 280007802 | 280007810 | 280007811 | 280008070 | 280008071 | 280008072 | 280008490 | 280008491 | 280008500 | 280008501 | 280008840 | 280008841 | 280008842 | 280009331 | 280009332 | 280009333 | 1280000292 | 1280000380 | 1280000381 | 1280000382 | 1280000383 | 1280000520 | 1280000530 | 1280000531 | 1280000532 | 1280000972 | 1280000973 | 1280001000 | 1280001001 | 1280001060 | 1280001561 | 1280001570 | 1280001571 | 1280001572 | 1280001573 | 1280001574 | 1280001580 | 1280001581 | 1280001582 | 1280001583 | 1280001584 | 1280001585 | 1280001790 | 1280002930 | 1280002931 | 1280002932 | 1280002933 | 1280003080 | 1280003081 | 1280003082 | 1280003512 | 1280003513 | 1280003514 | 1280004100 | 1280004101 | 1280005091 | 1280005380 | 1280005381 | 1280005382 | 1280006170 | 1280006171 | 1280006172 | 1280006173 | 1280006180 | 1280006181 | 1280006182 | 1280006183 | 1280006184 | 1280006810 | 1280006811 | 1280006812 | 1280006822 | 1280006823 | 1280006830 | 1280006831 | 1280006832 | 1280006833 | 1280006860 | 1280006861 | 1280007280 | 1280007281 | 1280007282 | 1280007283 | 1280007290 | 1280007291 | 1280007292 | 1280007293 | 1280007294 | 1280007360 | 1280007361 | 1280007362 | 1280007363 | 1280007920 | 1280007921 | 1280007922 | 1280007923 | 1280007932 | 1280007933 | 1280008290 | 1280008620 | 1280008621 | 1280009580 | 1280009581 | 1280009582 | 1280009970 | 1280009971 | 2280000270 | 2280000271 | 2280000281 | 2280000282 | 2280000291 | 2280000292 | 2280000350 | 2280000351 | 2280000570 | 2280000571 | 2280001590 | 2280001591 | 2280001600 | 2280001601 | 2280001610 | 2280001611 | 2280001661 | 2280001671 | 2280001790 | 2280001791 | 2280001830 | 2280002030 | 2280002031 | 2280002110 | 2280002111 | 2280002290 | 2280002660 | 2280003070 | 2280003080 | 2280003090 | 2280003100 | 2280003230 | 2280003710 | 2280003810 | 2280004680 | 2280005641 | 2280005830 | 2280005980 | 2280005990 | 2280006380 | 2280006470 | 2280006471 | 2280007550 | 2280009020 | 4280001190 | 4280001850 | 4280001860 | 4280002370

EQUIVALENTE / Equivalent

Cargo: 138681 - **Denso:** 0283001971 | 0283005380 | 0283005381 | 0283005390 | 0283005391 | 1280995060 - **John Deere:** CH12485 - **Unipoint:** SD5170 - **WAI:** 5482409

1829**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 136

APLICAÇÃO / Application / Aplicación

Case: 1835B | 1845 | 1845B | 207D | 450B | 480C - **ZEN:** Utiliza Pinhão ZEN 9302

MOTOR

Denso: 280005880 | 1280002740 | 1280003120 | 1280004220 | 1280004910 | 2280002290 | 2280002670 | 2280003310 | 2280003320 | 2280003810 | 2280007300 | 4280000190 | 4280001190 | 4280001850 | 4280001860

EQUIVALENTE / Equivalent

Denso: 0283002040 | 0283005650 | 0283005651 | 0283005670 | 0283007802 - **Unipoint:** SD5071 - **WAI:** 548227

1831**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Bobcat: 853 | 853C | 853H | 853HC - **Case:** 7120 - **Caterpillar:** 3114 - **ZEN:** Utiliza Pinhão ZEN 9402

MOTOR

Denso: 280006780 | 280993570 | 1280001060 | 1280002560 | 1280005370 | 1280005730 | 1280005731 | 1280005732 | 1280008290 | 2280000271 | 2280000630 | 2280001350 | 2280001420 | 2280001830 | 2280002200 | 2280003700 | 2280005311 | 2280005460 | 2280005641 | 2280007380 | 2280007500 | 2280007550 | 4280001660

EQUIVALENTE / Equivalent

Denso: 0283003690 | 0283003691 | 0283005450 | 0283006690 | 0283006691 | 0283006692 - **Unipoint:** SD5080 - **WAI:** 548263

1837**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Caterpillar: Blue Diamond USA | Cat 3216 7.2 F650 - **Ford:** Tratores - **John Deere:** Colheitadeira | Trator 6600 | Trator 6605 | Trator 7505 - **New Holland:** Trator 660

MOTOR

Prestolite: 35260900 | 35260910 | 35261345

EQUIVALENTE / Equivalent

Prestolite: K01555

1846**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Hyster: Empilhadeira - **ZEN:** Utiliza Pinhão 10048

1846**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

EQUIVALENTE / Equivalent

Denso: 0283010760 | 0283010761

1878**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

John Deere: RE526375 | RE527400

MOTOR

Bosch: 0001260001

EQUIVALENTE / Equivalent

Bosch: 2006209550

1880**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Cub Cadet: KH 2509809S - John Deere: AM132702 | MIA11257 | MIA11473 - Kawasaki: 211637021 - Kohler : 2509808 | 2509808S | 2509809 | 2509809S | 2509811 | 2509811S - Kubota: E719463010 | E719463012

EQUIVALENTE / Equivalent

Remy: 113218

1881**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Liugong: Carregadeira 835 Maxxor XCMG ZL30H SLDG 938

MOTOR

Cummins: 4948058 | C4948058 - Deutz: 13028386 - Prestolite: M93R3001SE | M93R3013SE

EQUIVALENTE / Equivalent

Prestolite: M93R3001SE

1883**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Clark: Empilhadeira

EQUIVALENTE / Equivalent

TJ: 407

1885**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

John Deere: Máquinas Agrícolas

MOTOR

Denso: AM133636 | 1280001870 | 1280004870 | 1280007480 | 2280000120 | 2280002640 | 2280007990 | 2280009261 | 2800002640 | 2800007190 - John Deere: AM107631 | AM108390 | AM124993 | AM127877 | AM131296 - Kawasaki: 211637002 | 211637004 | 211637014 | 211637015 | 211637026 - Kohler : 1209803 | 2409801 | 1209803S | 2409801S - Kubota: E719563010 - Mitsubishi: MD184420 - New Holland: K0H2409801 - Onan: 1911906 | 1912107

EQUIVALENTE / Equivalent

Cargo: 234970 - Denso: 0283006010 - WAI: 548243

1898**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Ahlmann: Carregadeira AL 100 BF4L2011 - Atlas: Compressor XAHS 107 C2 | Compressor XAHS 37 DD | Compressor XAS 137 C2 | Máquina Rolo AW 240 | Máquina Rolo AW 260 | Máquina Rolo AW 300 - Kramer : Carregadeira 8085 | Carregadeira 8085T | Carregadeira 8095 | Carregadeira 8095T | Carregadeira 8105

Sandvik : Equipamento de Construção DS310 - Schaeffer: Carregadeira 5680Z | Carregadeira 6680Z | Carregadeira 8600Z - Terex: Escavadeira TL80EX TC85

MOTOR

Deutz: F2L201 | 04132652 | 04300285 | D2011L3 | F2M2011 | F3L1011 | F4L2011 | TD2011L3 | TD2011L4 | D2011L2 | BF4L1011FT - Iskra: AZE6537 | AZE6554 | AZE6556 | AZE6563 | AZE6567 | AZE6589 | 11131663 | 11131948 | 11131950 | 11132077 | 11132095 | 11132378 - KHD: 1181751 | 1182382 | 1182384 | 1182386 | 1183404 | 01183404 | 4300006 - Kramer: 1000124272

1898**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

EQUIVALENTE / Equivalent

Ahlmann: 4184190A | 72735657 - Iskra: 16911538

1928**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Case: Pá Carregadeira - John Deere: Tratores

EQUIVALENTE / Equivalent

Cargo: 133545 - Facet: 10533 | 10632 | 10633 - Lester: 3300 | 4000 | 4100 | 4211 | 4248 | 4251 | 4268 | 4307 | 4318 | 4943 | 4994 | 4995 | 6164 | 6510 | 6707 | 6731 | 6733 | 6737 - Lucas Indiel: 223191 - Remy: D2037 | A43652 | 1877345 | 1947912 | 1968131 | 1970376 | 1971706 | 10479522 | 10497522

1929**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Tramontini: Trator T3230-2 1.8 32CV 2010... | Trator T3230-4 1.8 32CV 2010... | Trator T5045-2 2.5 50CV 2010... | Trator T5045-4 2.5 50CV 2010...

MOTOR

Bosch: F000AL0154

EQUIVALENTE / Equivalent

Bosch: F000AL2856

1936**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

Agrale: Caminhão 13000 Com Motor MWM 6.10 TCA | Caminhões 10.000, 14.000 e 14.000 6X2 Com Motor MWM MaxxForce 4.8H. EURO V 01/2012... | Caminhões 6000, 8500 e 9200 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Chassis MA 7.9, MA8.5, MA9.2, MA10.0, MA12.0, MA15.0 e MT12.0 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Furgovan 8000 Com Motor MWM 4.10 TCA | Ônibus MA12.0, MA15.0, MT15.0 LE, MA10.0 e MA9.2 Com Motor MWM MaxxForce 4.8HEURO V 01/2012... | Ônibus Volare W8, W9 e V8 Com Motores MWM 4.10 TCA ...2008 | Ônibus W8, W9 e V8 Com Motores MWM 4.12 TCE 2008... - **BMW:** Motor MWM 4.10TCA AGRAL CAMINHÃO 8500D | Motor MWM 4.12TCE Agrale MA 12 185CV | Motor MWM 4.12TCE ITEC MIDI BUS (América Latina) | Pulverizadora Montana Parruda 2627M e 2627H Com Motor MWM 4.10L TCA 07/2012... - **Case:** Motoniveladora 845, 845.2, FG 140.2 | Motoniveladora RG140B e 845 com transmissão ZF | Pá Carregadeira W20, 521D, 621D, W130

Fiat Allis: Pá Carregadeira FR128 - Substitui 10479654 | Trator de Esteira 7D - Substitui 10479654 - **Ford:** Caminhões C1722e (4x2), C2422e(6x2), C2622e (6x4), C2428e (6x2), C2628e (6x4) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 | Caminhões C815e (4x2), C1317e (4x2), C1517e (4x2), C1717e (4x2) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 - **Freightliner:** Caminhões M2 Com Motor MB906/904 - **Mercedes Benz:** Axor 1419, 1719, 1726, 1726 4x4, 1729S, 2426 6x2 e 2429 6x2 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA - Euro V 01/2012... | Axor 1933, 2533, 2826, 2828, 2831 Com Motores eletrônicos OM906 e OM 926 | Caminhões 710, 712E, 1418R, 1720, 1720K, L1620 - Chassi de Ônibus LO 712, LO 812 Com Motores mecânicos 12V OM 364 e OM 366) - 29MT | Caminhões 712C, 715, 714C, 915C, 1215, 1218EL, 1218L, 1418 EL, 1418L, 1718, 1725 | Caminhões Família Accelo: 815 e 1016 Com Motor eletrônico 24V OM 924 LA - Euro V 01/2012... | Caminhões Família Atron: 1319, 2324, 2729K (Basculante), 2729B (Betoneira) e 2729 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA -Euro V 01/2012... | Chassi de ônibus LO 914, O500M, O500U, O500R, OF 1417, OF1418, OF 1518, OF 1721, Com Motores eletrônicos 24V OM 904, OM 906, OM 924 eOM 926 | Família Atego (1315, 1418, 1518, 1718, 1725, 2425), L1318, 2423B, 2423K, L1620 | Fora de Estrada Família Axor: 2831K (Basculante), 2831B (Betoneira) e 2831P (Plá Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... | Ônibus Boxer e Torino Com Motor OM904/906 12V | Ônibus Rodoviário O500M 1826 BUGGY e O500R 1830 Com Motor eletrônico OM926 LA - Euro V 01/2012... | Ônibus Urbano OF1519, OF1721, OF1724, O500M 1826, O500U 1826 Com Motores eletrônicos 24V OM 924 LA eOM 926 LA - Euro V 01/2012... | Rodoviário Família Axor 1933 e 2533 Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... - **Navistar:** Ônibus 4700 Com Motor MWM 4.8L euro II y III - **New Holland:** Motoniveladora 140 | Pá Carregadeira 12C | Trator de Esteira 7D - **Remy:** 29MT - **Volkswagen:** Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil ...09/2009 | Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil 10/2009... | Caminhões 8-150 Eletr Delivery Puls, 9-150E, 10-150E, 13-180E, 15-190E 06/2009... | Caminhões 9-150 Eletr Delivery Com Motor Cummins 01/2010... | Caminhões constellation 13-180, 15-180, 17-260, 26-260E, 31-260E Motor MWM Eletrônico 4 e 6 Cilindros | Caminhões Worker 8-120 Euro II e III, 13-180 Euro II e III, 15-180 Euro III, 17-180 Motor MWM 4 e 6 cilindros | Delivery 5.150, 8.160 e 9.160 3.8L Com Motor Cummins ISF (Euro V) 01/2012... | Ônibus 17-230EOD/V-tronic e 17-260EOD/V-tronic Motor MWM Eletrônico 4 e 6 Cilindros com Transmissão ZF | Ônibus 8-150 ODC / FEB, 9-150 ODC Com Motor Cummins ISB 4 e 6 cil | Ônibus 8.120 OD Euro II e III Motor MWM 4 cilindros - **Volvo:** VM 210, 260, 310 Com Motores MWM 4.12TCE e 6.12TCE ...12/2011 - **ZEN:** Utiliza Pinhão ZEN 12954 | Utiliza Pinhão ZEN 12955 | Utiliza Pinhão ZEN 12956 | Utiliza Pinhão ZEN 12957 | Utiliza Pinhão ZEN 12961

MOTOR

Remy: 8200003 | 8200004 | 8200014 | 8200054 | 8200064 | 8200065 | 8200103 | 8200138 | 8200196 | 8200231 | 8200292 | 8200295 | 8200296 | 8200297 | 8200326 | 8200331 | 8200357 | 8200386 | 8200387 | 8200400 | 8200474 | 8200478 | 8200495 | 8200511 | 8200512 | 8200564 | 8200816 | 8200826 | 8200848 | 8200853 | 8200854 | 8200875 | 8200882 | 8200884 | 8200885 | 8200886 | 8200887 | 8200889 | 8200890 | 19011400 | 19011402 | 19011403 | 19011407

EQUIVALENTE / Equivalent

Remy: 10515810 | 10515811

1937**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación

John Deere: 5045D 3.029 PowerTech, 3cyl. 179 CI Turbo Dsl 2008...2014

1937**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

MOTOR**Bosch:** F002G20658 - **Lester:** 19331**EQUIVALENTE / Equivalent****Bosch:** F002G20677**1944****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación**Agrale:** Agrale Maquinário Agrícola 4230 M790 1.3 30HP**MOTOR****Agrale:** 7007010010005 | 7007010018008 - **Iskra:** AZE2194 | 11131518**EQUIVALENTE / Equivalent****Iskra:** 16907851 | 72739187**1948****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación**Caterpillar:** 938H - **Denso:** Motores P8 PLGR 24V 13T - **John Deere:** Carregadeira 824J, 824K JD 13.5L 29HP Diesel | Carregadeira 844K JD 13.5L 330HP Diesel | Escavadeira 450C LC | Motores Marine - **Perkins:** Motores Marine C6.6**EQUIVALENTE / Equivalent****Denso:** 19050199**1951****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 137

APLICAÇÃO / Application / Aplicación**Hurlimann:** Tratores 345 - 355 - 360 - 470 - 480 - 490 - 5110 6130 - 6160 - 358 - 476 - 488T - 496 - 6135 - 6136 - 6160 - 6190 - **Lamborghini:** Tratores 115 - 135 - 1356 - 1556 - 165 - 190 - 345 - 573 - 574 - 654 - 674 - 684 - 754 - 774 - 775 - 874 - R613DT - R653F - R714F - **Same:** Trator Aurora 45 | Tratores Antares 110 - 130 - **Steyr Puch:** Tratores 288 - 290 - 406 - 50 - 650 - 658 - 760 - 768 - 988**MOTOR****Iskra:** 11130179 | 11130201 | 11130414 | 11130595 | 11130626 | 11130686 | 11130692 | 11130705 | 11130710 | 11130821 | 11130861 | 11130887 | 11130895 | 11131017 | 11131085 | 11131144 | 11131236 - **Lester:** 17258**EQUIVALENTE / Equivalent****Cargo:** 230280 - **Iskra:** 16901752**1952****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación**John Deere:** Colheitadeira 6610 6076 7.6L Diesel 1992...1995 | Colheitadeira 6810 Cummins NTA-855 14.0L Turbo Diesel 1992...1997 | Colheitadeira 6910 6068HT 6.8L Turbo Diesel 1997...2001 | Colheitadeira 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. 138

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

1957**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

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

1960**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Isuzu: Industrial Engine 4JB1 1995...2000 | Motor C240 Diesel 1978...1997 - **TCM:** Empilhadeira FD23Z | Empilhadeira FD25Z

MOTOR

Hitachi: S2407 | S2412 - **Isuzu:** 8944234520 - **Lester:** 18281 - **Lucas:** LRS1911 | LRS01911

EQUIVALENTE / Equivalent

Cargo: 139843 - **Hitachi:** 22401501 | 22405500

1961**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Komatsu: Empilhadeira FD20

MOTOR

Denso: 1280009970 | 1280009971 - **Komatsu:** 6008131420 - **Lester:** 19747

EQUIVALENTE / Equivalent

Cargo: 234720 - **Denso:** 0283001971 | 1280995060

1971**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

John Deere: 2254 6068H 6.8L Diesel 1997...2006 | 5410 4045D 4.5L Diesel 1998...2006 | 5415 4045D 4.5L Diesel 1997...2007 | 5415 Narrow 4045D 4.5L Diesel 1997...2007 | 5415H 4045D 4.5L Diesel 1997...2007 | 5420 4045D 4.5L Diesel 2001...2004 | 5420N 4045D 4.5L Diesel | 5510 4045T 4.5L Turbo Diesel 1998...2000 | 5510N 4045T 4.5L Turbo Diesel 1997...2006 | 5520 4045D 4.5L Turbo Diesel 2001...2004 | 5520N 4045T 4.5L Turbo Diesel 1997...2006 | 5615 4045T 4.5L Turbo Diesel | 5715 4045T 4.5LT urboDiesel | 5715HC 4045T 4.5L Turbo Diesel | 6205 4045T 4.5L Turbo Diesel

MOTOR

Bosch: 000123005 - **John Deere:** RE500819

EQUIVALENTE / Equivalent

Bosch: 6033AD0099 | 6033AD0102 | 6033AD3078 - **John Deere:** RE501912 - **WAI:** 549106

1972**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Kubota: DK300 V1903 Diesel 1987...1992 | KH12FD D1402 Dsl 1982...1993 | KH14 D1301 Dsl 1977...1980 | KH20 V1902 Dsl 1981...1992 | KH20 V1902-BH Dsl 1981...1999 | L2550DT D1402DIA 29.5HP Dsl 1985...1990 | L2550DTGST D1402DIA 29.5HP Dsl 1985...1987 | L2550F D1402DIA 29.5HP Dsl 1985...1990 | L2550GST D1402DIA 29.5HP Dsl 1986...1990 | NX3000 D1301 Engine 1977...1981 | R410 V1902 39.5HP Dsl 1989...2001 | RA250 V1902 Diesel 1987...1992 | Varios Modelos D1402 Diesel 1990...1996

MOTOR

Denso: 0280006260 | 0280006261 | 0280006570 | 0280008430 | 0280008432 | 0280009030 | 0280009031 | 0280009032 | 1280000181 - **Prestolite:** 20513040

EQUIVALENTE / Equivalent

Denso: 0283003340 | 0283003810 | 0283006700

1973**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Kubota: KC30 S2200BS Diesel 1982...2001 | M4500DC S2600 55.5HP Dsl 1978...1985 | M4500DT S2600 55.5HP Dsl 1978...1985 | M4500F S2600 55.5HP Dsl 1979...1984

MOTOR

Denso: 0280006250 | 0280007830 | 1280000071 | 1280000140 | 1280000141 | 1280001161 | 1280001470 | 1280002160 | 1280002161 - **Lester:** 16946 | 17115 | 17116 | 17367 | 17612 | 18149 | 18153

1973**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

EQUIVALENTE / Equivalent

Denso: 0280992600 | 0280992601 | 0280996230

1979**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

ABG: Alexander, BV 590, MAW, PUMA, VAS, WZ | Rolo Compactador - **Agco Aliss:** Trator 9130, 9150 - **Agco Gleaner:** Combines R40, R42, R50, R52 - **Atlas:** 1202, 1252, AR51BE, AR61A, AR70, AS81, AT710 | Compressor XAS, XATS, XAMS - **Atlas Copco:** ST35, ST48, ST71, ST95, STS35, STS48, STS71, VSS250 - **Bobcat:** Carregadeira L863, L873 - **Bomag:** BW 211 | Pavers BF600, BF700, BF800, BF900 | Rolo Compactador BW24, 25, 27, 211, 212, 213, 216, 218 | Rolo Compressor BW141, 161, 190, 191, 202, 203, 211 - **Claas:** Atlas Trator 926, 935, 936, 946 | Colheitadeira 75R, 6030, 7055, 9055 - **Clayson:** 1520, 1530, 1540 - **Deutz:** Motores

Ditch Witch: Máquinas - **Euromacchine:** Bomba Motorizada - **Fahr:** Motores - **Fendt:** F Tratores - **Hamm:** Máquinas - **Haulotte:** Guindastes - **Ingersoll Rand:** Compressores - **International Harvester:** Motores - **Iveco:** Caminhões 80, 90, 110, 130 - **JCB:** 409 - **Kramer:** Máquinas 312, 400, 500, 880, KL54, 3307, 4009, 4507

Lamborghini: Tratores R3.TB 100, R3.TB 85, R6. 100, R6. 120 - **Liebherr:** Escavadoras R911, R921, A901B, A911, A921 - **Linde:** Empilhadeira H25D - **Magirus:** Deutz M130, M160 - **Matrot:** Máquinas - **Merlo:** 3513 - **Minsk:** Tratores Belarus - **Putzmeister:** Máquinas de concreto - **Same:** Trator IRON 180.7 - **Sandvik:** DS 310 - **Schaeffer:** F3L912 - **Schwing:** Máquinas de concreto - **Sennebogen:** Guindastes - **Vermeer Den Ouden:** Máquinas V4150 - **Vetus:** Motores - **Wacker Neuson:** Carregadeiras

Weycor: Maquinas

MOTOR

Iskra: IS0841 | AZF4220 | AZF4229 | AZF4286 | AZF4329 | AZF4507 | AZF4514 | AZF4515 | 11130728 | 11130841 | 11130842 | 11131829 | 11132066 | 11132194 - **Mahle:** MS67 | MS141 | MS199 | MS232 | MS429 | MS446

EQUIVALENTE / Equivalent

Iskra: 16904625 - **Mahle:** MSX724**1980****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Case: Farm 1394 4-219 D 1983...1988 | Farm 1494 4-219D 1983...1988 | MX MAXXUM MX120 6-359 Diesel 1997...1999 | MX MAXXUM MX135 6-359 Diesel 1997...1999

Intervational Harvester: IH 1494 1984... | IH 1394 1984... | IH 1594 1984... | IH 1690 1984... | IH 1694 1984... - **Landini:** 10000S A6.354.4 | 12500 A6.354.4 | 13000 A6.354.4 | 14500 AT6.354.4 | 65 A4.236 | 6560 F/L/V A4.236 | 6860 A4.236 | 6870 A4.236 | 6880 A4.236 | 75 A4.236 | 7560 F/L A4.236 | 7860 A4.236 | 7870 A4.236 | 7880 A4.236 | 85 A4.248 | 8560 F/L A4.248 | 8860 A4.248 | 8870 A4.248 | 8880 A4.248 | 9080 T4.236 | 95 T4.236 | 9880 T4.236 | BLIZZARD 65 Motor Perkins 4.236 | C75 A4.236 | C85 A4.248 | C95 T4.236 | CF6830 A4.236 | CF75 A4.236 | CF85 A4.248 - **Massey Ferguson:** MF102 Cane Harvester Perkins-A6.372 | MF102 Cane Harvester Perkins-AT6.354 | MF105 Cane Harvester | MF1080 Perkins A4.318 | MF1080 S-4RM Perkins A4.318 | MF1085 A4.318 | MF11 Loader | MF1100 Perkins A6.354 | MF1104 Perkins A6.354 | MF1114 | MF1250 Perkins A6.354.4 | MF178 Perkins A4.248 | MF185 Motor Iberica | MF186 | MF201 Cane Harvester | MF205 Cane Harvester | MF206 Combine | MF207 | MF285 Motor Iberica E480 | MF3060 Perkins A4.248 | MF3065 Perkins AT4.236 | MF307 Combine | MF3070 Perkins AT4.236 | MF30D | MF487 Combine | MF50 EX Perkins A4.236 | MF50 Perkins A4.236 | MF50 Perkins A4.236/A4.212 | MF50 Perkins A4.236/A4.318 | MF506 Combine | MF510 | MF520 Combine Perkins A6.354 | MF525 Combine Perkins A6.354 | MF592 Perkins A4.318 | MF595 Perkins A4.318 | MF6150 1004-4THR | MF6160 1006-6 | MF620 Perkins A6.372 | MF625 Perkins A6.372 | MF675 Perkins A4.236 | MF685 | MF690 Perkins A4.248 | MF9500 Perkins A6.354 | TX45 Combine - **Perkins:** 4.203LH | 6.354 | A4.236 | A4.248 | A6.354.4 | AT6.354.4 | D3.152 | T4.236 | T4.248 - **Renault:** 70-12 SP Perkins-4.236 | 70-14 SP Perkins-4.236 | 70-32 PA/PE/PS/PX Perkins-4.236 | 70-34 PA/PE/PS/PX Perkins-4.236 | 701-4F Perkins-4.236 | 80-12 SP Perkins-4.248 | 80-14 SP Perkins-4.248 | 80-32 PA/PE/PS/PX Perkins-4.248 | 80-34 PA/PE/PS/PX Perkins-4.248 | CERES 75 2X4/4X4 Perkins-4.236 | CERES 75X 2X4/4X4 Perkins-4.236

MOTOR

Iskra: IS1159 | AZF4103 | AZF4130 | AZF4146 | AZF4147 | AZF4148 | AZF4187 | AZF4207 | AZF4251 | AZF4409 | AZF4535 | AZF4538 | AZF4545 | AZF4577 | AZF4591 | AZF4592 | 11130945 | 11130999 | 11131014 | 11131077 | 11131300 | 11131352 | 11131356 | 11131398 | 11131490 | 11131573 | 11131574 | 11131575 | 11131723 | 11131790 | 11131920 | 11132528 | AZF4528 - **Mahle:** MS117 | MS119 | MS151 | MS291 | MS294 | MS295 | MS402 | MS444 | MS677

EQUIVALENTE / Equivalent

Iskra: 16902382 - **Mahle:** MSX602 - **WAI:** 549500**1988****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Bomag Rollers: Honda BW90 GX620, Gas | Honda BW900 GX620, Gas - **Bush Hog:** Honda CS180T GX610, 18HP, Gas - **Honda Industrial:** GX610K1 18HP | GX670 24HP | GX670K1 24HP | GXV620 20HP | GXV670 24HP - **MQ Power:** Gerador Motor Honda 9700 GX610, Gas - **Split Fire:** 420 Motor Honda, 20HP, Gas | 424 Motor Honda 24HP Gas - **Wacker Rollers:** Honda RD11A GX610, Gas

MOTOR

Denso: 2280006330 | 2280007850 | 2280007851 - **Honda:** DDWD8 | 31200ZJ1841 | 31200ZJ1842 | 31200ZJ18410M - **Lester:** 18985

EQUIVALENTE / Equivalent

Denso: 0283008800

1992**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación**Detroit:** D700 Diesel - **Deutz:** Vários Modelos - **John Deere:** 100F 3.0 | 76F 2.7 | 85F 2.7 - **KHD:** Vários Modelos - **VM Motori:** Motores Industriais 2008...2016**MOTOR****Bosch:** 0001109355 | 0001109356 | 0001109357 | 0001109358 | 0001109359 | 0001109360 | 0001109369 | 0001109460 - **KHD:** 01181751 | 01182124 | 01182382 | 01182384 - **Lester:** 16008 | 19823 | 30343 - **Lombardini:** 58400960 | 58402610 | 58402680 - **VM Motori:** 35532063F | 35532064F**EQUIVALENTE / Equivalent****Bosch:** 1006210103 | 1006210185**1994****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación**Case:** Trator Magnum 220 Cummins 6 cil. 2006... | Trator Magnum 225 Cummins, 6 cil. 8.3 2006... | Trator Magnum 235 Cummins | Trator Magnum 240 Cummins 6 cil. 2006... | Trator Magnum 250 Cummins, 6 cil. 8.3 | Trator Magnum 255 Cummins 6 cil. 2006... | Trator Magnum 260 Cummins | Trator Magnum 270 Cummins 6 cil. 2006... | Trator Magnum 280 Cummins 6 cil. 2006... | Trator Magnum 290 Cummins 6 cil. | Trator Magnum 305 Cummins | Trator Magnum 310 Cummins 6 cil. 2006... | Trator Magnum 315 Cummins | Trator Magnum 335 Cummins 8.9 6 cil. 2006... | Trator Magnum 340 Cummins | Trator Magnum 370 Cummins - **CNH:** Industrial motores - **Fiat Agri:** Motores **New Holland:** T8010 CDC 6 cil. 2006... | T8020 | T8030 CDC 6 cil. 2006... | T8040 CDC 6 cil. | T8050 CDC 6 cil. 9.0 | T9020 CDC 6 cil. 9.0 2007... | TG215 8.3 2008... | TG245 8.3 2008... | TG275 8.3 2008...**MOTOR****Iskra:** IS1114 | AZF4627 | AZF4646 | AZF4683 | AZF4687 | AZF4691 | AZF4831 | AZF4842 | AZF4869 | AZF4889 | 11131260 | 11131411 | 11131501 | 11131798 | 11131830 | 11131839 | 11132104 | 11132206 | 11132416 | 11132547 - **Mahle:** MS1 | MS64 | MS101 | MS139 | MS629 | MS882**EQUIVALENTE / Equivalent****Iskra:** 16902036 - **Mahle:** MSX164**2003****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación**Ford:** Caminhões Cummins B 5.9 12V | Caminhões Power Stroke V8 7.3 12V | Cummins ISB02 5.8 12V - **Freightliner:** Caminhão Navistar V8 7.3 12V - **John Deere:** Trator 6 cil. 12V - **Prestolite:** Série M100R**MOTOR****Prestolite:** 35259200 | 35259290 | 35259550 | 35260850 | 35260860 | 35261110**EQUIVALENTE / Equivalent****Prestolite:** 35260835**2007****IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación**Basak:** 2075 3.1, BT40845T3, BT40845T3, BT40845T3 | Trator 2.3, 3 cil. - **Hatz:** 2L41C 1.7, 2 cil. | 2M41 1.7, 2 cil. | 3L41C 2.6, 3cil. | 3M41 2.6, 3cil. | 4M41 3.4, 4 cil. | 4M42 3.4, 4 cil. | 4M43 3.4, 4 cil. | Série M 1.7, 2 cil. | Série M 2.6, 3cil. | Série M 3.4, 4 cil. | Silent Pack 3.4, 4 cil. - **Huedig:** SDVA200 3.4, 4L41C - **Lombardini:** LDW 1.6, 1503 M 1996... | LDW 2.1, 2004 M 1996... | LDW 2.1, 2004 TBI 1996... - **Selwood Pumps:** 4L41C 3.4 | HSP20 1.7 | HSP35 2.6 - **Turbosol:** Bomba de concreto 2.6, TB 30**MOTOR****Iskra:** IS1442 | IS1457 | AZE4182 | AZE4184 | AZE4239 | AZE4254 | AZE4285 | AZE4286 | 11131820 | 11131828 | 11132154 | 11132182 | 11132389 | 11132391 - **Mahle:** MS223 | MS647 | MS725 | MS726**EQUIVALENTE / Equivalent****Iskra:** 16912783 - **Mahle:** MSX1162

2009

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Alpine Makine: Track Loader 2.2, Série M - **Atlas:** AR 1.5, 30 | AR 1.5, 35 Super | AR 1.5, 40 - **Atlas Copco:** QLT H40 - **BBA:** Série BA 2.2, BA100 E D265 - **Bomag:** BF223C 2.2 - **Caterpillar:** Motor 2.2 - **Dynapac:** Rolo Compressor 1.1, CC1000 | Rolo Compressor 1.1, CC800 | Rolo Compressor 1.1, CC900 | Rolo Compressor 1.1, CC900S - **Engen SRL:** Gerador 1.5, EPS 16, 51 | Gerador 2.2, EPS 224 - **JCB:** Carregadeira 0, 52040AGRI | Carregadeira 0, 52040WM | Carregadeira 2.2, 160 | Carregadeira 2.2, 160WM | Carregadeira 2.2, 170/HF | Carregadeira 2.2, 180/HF | Carregadeira 2.2, 180T/HF | Carregadeira 2.2, 190T/HF | Carregadeira 2.2, 52040 | Carregadeira 2.2, 52450 | Carregadeira 2.2, ICX, HF | Carregadeira 2.2, MIDI CXCM | Carregadeira 2.2, MIDI CXSS | Carregadeira 2.2, TLT25 | Carregadeira 2.2, TLT30 | Carregadeira 2.2, TLT30WM | Carregadora compacta 2.2, 180T, HF | Carregadora compacta 2.2, 190T, HF | Escavadora 0, 9030ZTS | Escavadora 1.1, 8008CTS | Escavadora 1.1, 8014 CST | Escavadora 1.1, 8016 CTS | Escavadora 1.1, 8018 CTS | Escavadora 1.1, 8020 CTS | Escavadora 1.5, 8025 ZTS | Escavadora 1.5, 8030 CTS, ZTS | Escavadora 1.7, 8035 ZTS | Escavadora 2.2, 8040 ZTS | Escavadora 2.2, 8045 ZTS | Escavadora 2.2, 8050 ZTS | Mini Escavadora 1.1, 8008CTS | Mini Escavadora 1.1, 8010CTS - **Jungheinrich:** Empilhadeira DFG316 | Empilhadeira DFG316S | Empilhadeira DFG320 | Empilhadeira DFG320S - **Magni:** Empilhadeira 2.2, Ricklift 13 - **Manitou:** Plataforma aérea 2.2, 160 ATJ - **Mosa:** GE 1.5, 15PSX EAS | GE 2.2, 20PSX EAS | TS 2.2, 400 PS BC | TS 2.2, 500 PS BC 60hZ - **Perkins:** 103-13 1.3 | 103-15 1.5 | 104-19 2.0 | 104-22 2.2 | Série 403 0.7, 403C07 2004... | Série 403 1, 403C10 2002... | Série 403 1.1, 403C11 2002... | Série 403 1.1, 403D11 2002... | Série 403 1.5, 403C11G 2004... | Série 403 1.5, 403C15 | Série 403 1.5, 403C15G | Série 403 1.5, 403D15 | Série 403 1.5, 403D15T | Série 403 1.5, 403D17 | Série 403 2, 404C20 | Série 403 2.2, 404C22 2004... | Série 403 2.2, 404C22G 2004... | Série 403 2.2, 404D22 2000... | Série 403 2.2, 404D22G 2000... | Série 403 2.2, 404D22T 2002... - **Sandvik:** DC120 2.2 - **Sauerburger:** Carregadora 1.1, SH200 | Carregadora 1.5, SH300 | Carregadora 1.5, SH336 | Carregadora 1.5, SH400 | Carregadora 2.2, SH500 | Carregadora 2.2, SH500T | Carregadora 2.2, SH555 | Empilhadeira 2.2, FXScopic 5620 - **Skyjack:** Plataforma aérea 2.2, SJ40 T | Plataforma aérea 2.2, SJ46 AJ | Plataforma aérea 2.2, SJ63 AJ | Plataforma aérea 2.2, SJ85 AJ - **Turbosol:** Bomba de concreto 2.2, TB 30 | Bomba de concreto 2.2, TB 30 C - **Venieri:** 133 B 2.2 2005...2013 - **Wacker Neuson:** Escavadora 2.2, ET65 | Escavadora 2.2, EZ 53 | Retroescavadeira 1.1, WL 18 | Retroescavadeira 1.5, WL 20 | Retroescavadeira 1.5, WL 25 | Retroescavadeira 2.2, WL 30 | Retroescavadeira 2.2, WL 36 | Retroescavadeira 2.2, WL 44 - **Weidemann:** Carregadeira 1.1, 1140 | Carregadeira 1.1, 116 Standrad | Carregadeira 1.5, 1160 | Carregadeira 1.5, 1240 CX35 LP | Carregadeira 1.5, 1260 | Carregadeira 1.5, 1280 | Carregadeira 2.2, 1350 CX45 | Carregadeira 2.2, 1350 CX45 CAB | Carregadeira 2.2, 1370 CX50 | Carregadeira 2.2, 1370 CX50 CAB | Carregadeira 2.2, 1770 CX50 | Carregadeira 2.2, 1770 CX50 CAB | Carregadeira 2.2, 2070 CX50 | Carregadeira 2.2, 2070 CX50 LP | Carregadeira 2.2, 2070 CX50 LP T | Carregadeira 2.2, 2070 CX50 T - **Weycor:** Carregadeira 1.5, AR 30 | Carregadeira 1.5, AR 40 - **Zetor:** Trator Utilix 2.2, CL 45 | Trator Utilix 2.2, CL 55 - **Zoomlion:** Plataforma aérea 2.2, ZA14 J

MOTOR

Iskra: IS1101 | AZE2155 | AZE2156 | AZE2178 | 11131265 | 11131267 | 11131419 - **JCB:** 71435600 | 71440482 - **Jungheinrich:** 19960488 | 19960489 | 50027532 - **Lester:** 18949 - **Lucas:** LRS01580 - **Magneti Marelli:** 63521090350 - **Mahle:** MS86 | MS241 - **Perkins:** P30DC03A | U5MK8260 | 185086600 | U85086770 - **Prestolite:** 20513016 - **Steinbock:** 8157761

EQUIVALENTE / Equivalent

Iskra: 16907267 - **Mahle:** MSX1277

2011

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 138

APLICAÇÃO / Application / Aplicación

Agrifull: 65 3.6 1985...1989 | 65 DT 3.6 1985... | 65 LM 3.6 1990... | 670 3.5 1980...1984 | 70 C, L 3.6 1985... | 80 3.9 1980... | 80 C 3.9 1990... | 80 DTF 3.9 1986...1989 | 80 DTF 3.9 1990... | 80 F 3.9 1986... | 82.86F 3.9 1992... | A 70LM 3.6 1990... - **Aifo:** 8031 2.8 1979...1983 | 8041 3.7 1979...1983 | 8041 3.7 1980...1980 | 8060 5.2 1973...1981 | 8061 5.5 1979...1983 | 8065 5.2 1973...1980 - **Benfra:** 1.45 3.9 1989... | 215 2.8 1979...1985 | 4.11 3.9 1989... | 7.07 3.9 1989...1991 | 9.09 CH 5.9 1985...1991 | 9.10 CH 5.9 1985...1991 - **Case:** JX 1095 C/N/U 2005... - **Fiat Allis:** 545 B 5.5 1981...1982 | FG 65A 3.7 1984...1988 | FL 4C 2.6 1970...1978 | FL 4D 2.6 1970...1978 - **Fiat OM Carrelli Elevatori:** DI, 20C 2.9 1990... | DI, 25C 2.9 1990... | DI, 30C 2.9 1990... | DI, 30CH 3.9 1990... | DI, 35C 3.9 1990... | DI, 40C 3.9 1990... | DI, 45C 3.9 1990... | DI, 50CH 3.9 1990... | DI, 60C 3.9 1990... | DI, 70C 4.9 1990... | DI, 80C 4.9 1990... - **Iveco:** Aifo 8031, 4300 2.8 1983...1984 | Aifo 8031, 5300 2.9 1985...1989 | Aifo 8041, 4300 3.7 1983...1984 | Aifo 8041, 5260 3.9 1986...1988 | Aifo 8041, 5300 3.9 1985...1989 | Aifo 8051, 4100 4.6 1984 | Aifo 8051, 5200 4.9 1985...1989 | Aifo 8061, 24000 5.5 1984...1985 | Aifo 8061, 25000 5.9 1986... | Aifo 8061, 25010 5.9 1985... | Aifo 8061, 4000 5.5 1983...1984 | Aifo 8061, 4001 5.5 1984 | Aifo 8061, 4060 5.5 1983...1984 | Aifo 8061, 4061 5.5 1983 | Aifo 8061, 5000 5.9 1985...1989 | Aifo 8061, 5260 5.9 1986...1988 | Aifo 8061, 5260 5.9 1990... | DI 20C, 25C, 30C 2.9 1986...1990 - **Laverda Fiatagri:** 3300 4.6 1983...1986 | 3300 AL 4.9 1983... | 3350 5.2 1983...1986 | 3350 AL 5.5 1983...1986 | 3400 5.9 1986... | 3450 5.2 1983...1984 | 3500 5.5 1985... | 3550 5.9 1985... | 3600 5.5 1983...1986 | 3650 5.9 1985... | 3750 5.5 1985... - **New Holland:** 3500 5.5 1985... | 3550 5.9 1985... | 3750 5.9 1985... | 517 5.9 1993... | 65 3.6 1990... | 70 3.6 1990... | 80 3.9 1989... | 82 3.9 1992... | L, 517H, I, M 5.9 1992... - **VM Motori:** HR 329SHTR 1.8 1986... - **White:** Trator 18295 | Trator 21947

MOTOR

Iskra: IS1386 | AZE4241 | 11132156 - **Mahle:** MS207

EQUIVALENTE / Equivalent

Iskra: 16912805 - **Mahle:** MSX1160

2012**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 139

APLICAÇÃO / Application / Aplicación

Agrifull: 100 5.4, DT 1985... | 110 5.9, DT 1986... | 140 5.9, DT 1985... | 90 4.9, DT 1985... - **Fiat:** 100 5.4 1984... | 110 5.9 1984... | 1100 TN | 115 5.9 1984... | 115.9 | 1180 5.5 1980...1983 | 120 1984... | 1280 5.5 1981...1983 | 130 5.9 1984... | 130 8.1 1981... | 1380 5.5 1980...1983 | 140 1985...1988 | 1400 5.9 1984... | 1580 8.0 1981...1983 | 1580 8.0, Turbo 1983...1983 | 160 8.1 1984... | 180 8.1 1984... | 1880 8.0 1980...1983 | 880 4.6 1982...1984 | 90 4.9 1984... | 95 4.9 1984... | 955 4.6, C 1981...1984 | 980 5.2, DT 1980...1984 | DI 8.1, 130 1981...1989 - **Fiat Geotech:** F100 5.9 1990... | F110 5.9 1990...1993 | F120 5.9 1990... | F130 5.9 1990... | F140 5.9 1993... - **Ford New Holland:** 8000 8.1, 8430DT 1993... | 8000 8.1, 8630DT 1993... | 8000 8.1, 8830DT 1993... - **Iveco:** 160 8.1, A13FL 1983...1984 | 8361 Aifo 8.1 1980...1983 | Aifo 8361 8.0 1992... | Aifo 8361 8.1 1978...1990 | Euro 110 5.9 1987...1988 | Euro 120 5.9 1987...1988 | Euro 220 5.9 1987...1988 | Euro 220T 5.9 1987...1988 | Euro 230T 5.9 1987...1988 | Euro 335T 5.9 1987...1988 | Euro 340T 5.9 1987...1988 | Euro 435T 5.9 1987...1988 | Euro 450T 5.9 1987...1988 | Euro Turbo 6.0 1988...1990 | Z 110 5.9 1986 | Z 120 5.9 1986 | Z 220 T 5.9 1986 | Z 230 T 5.9 1986 | Z 235 T 5.9 1986 | Z 340 T 5.9 1986 - **Laverda Fiataqui:** 3700 8.1 1983...1985 | 3790 8.1 1985 | 3850 8.1 1985...1991 | 3890 8.1 1986

New Holland: Série 8000, 8430 5.9 1994 | Série 8000, 8630 8.1 1994 | Série 8000, 8830 8.1 1994

MOTOR

Iskra: IS1434 | AZF4121 | AZF4362 | 11131452 | 11132325 - **Mahle:** MS176 | MS248

EQUIVALENTE / Equivalent

Iskra: 16911712 - **Mahle:** MSX977

2013**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 139

APLICAÇÃO / Application / Aplicación

Aveling Barford: Rolo compactador GAY, GAX 1977...1980 | Rolo compactador Lister LR2 1973...1976 | Rolo compactador Lister SR2, GA3 1972...1976 - **Case:** 2276 1982... | Farm 1210 195, 4219 1972...1981 | Farm 1212 4219 1972...1983 | Farm 1290 4195 1980...1983 | Farm 1294 4219 1984... | Farm 1390 4219 1980...1983 | Farm 1410 4219 1975...1981 | Farm 1412 1975...1981 | Farm 1490 4219 1980...1983 - **David Brown Case:** 1200 A4155A | 1210, 1212 455009, 455031 | 1290, 1294 2200004, 220008 | 1390, 1394 2200002, 220103 | 1490, 1494 220101, 220105 | 990 449001 | 995, 996 455051, 455071 - **Liner Concrete:** Dumper 1976... | Lister ST2 | Lister ST1 1976...1979 | Marathon 1976... | Marathon 2000 Dumper 1976...1979 | Roughrider 750, 1250, 1375, 1500 1976...1979 | Roughrider PA44 1976...1979 - **Marshall:** TM1100 1971...1978 - **Massey Ferguson:** MF 35 4 cyl. Leyland engine

MOTOR

Iskra: IS1398 | AZE4255 | AZE4309 | AZE4310 | 11132193 | 11132543 | 11132558 - **Mahle:** MS145

EQUIVALENTE / Equivalent

Iskra: 16912831 - **Mahle:** MSX1183

2015**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 139

APLICAÇÃO / Application / Aplicación

Nissan: Patrol 4.2 Diesel 1987...1998

MOTOR

Hitachi: S13118 | S13118A - **Lester:** 30050 - **Nissan:** 2330006J00 | 2330006J03

EQUIVALENTE / Equivalent

Hitachi: 22403550 - **Nissan:** 2335410T00

2017

IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

FOTO / Photo pg. 139

APLICAÇÃO / Application / Aplicación

John Deere: Ar Compressor 1830 4.219DL-03, 3.6 1972...1979 | Colheiteadeira 2250 4.239DL, 3.9 1986...1994 | Colheiteadeira 4425 6.539 1986...1988 | Colheiteadeira 4435 6.539 1989...1994 | Colheiteadeira 830 3 cil 1972...1980 | Colheiteadeira de algodão 7440 359 Diesel, 5.9 1984...1986 | Colheiteadeira de algodão 7445 359 Diesel, 5.9 1987 | Colheiteadeira de algodão 7450 359 Diesel, 5.9 1987...1997 | Colheiteadeira de algodão 9900 359 Diesel, 5.9 1975...1978 | Colheiteadeira de algodão 9910 359 Diesel, 5.9 1979...1987 | Colheiteadeira de algodão 9920 359 Diesel, 5.9 1984...1987 | Colheiteadeira de algodão 9930 359 Diesel, 5.9 1987...1993 | Colheiteadeira MD330C 164D27Z, 2.7 1972...1974 | Colheiteadeira MD930 4.219DZ-05, 3.6 1972...1974 | Colheiteadeira MD932 4.239DZ-04, 3.9 1979...1983 | Colheiteadeira MD935 4.219DZ-05, 3.6 1975...1979 | Colheiteadeira MD940 4.239DZ-01, 3.9 1972...1975 | Colheiteadeira MD942 4.239DZ-03, 3.9 1979...1983 | Colheiteadeira MD950 6.329DZ-02, 5.4 1974...1975 | Mini Carregadeira 250 JD 3029T 61HP Motor 1999...2004 | Mini Carregadeira 8875 61HP Turbo Dsl 1994...1998 | Retroescavadeira JD310 3.179DL-03, 2.9 1974...1988 | Retroescavadeira JD450A 4.202 1971...1979 | Retroescavadeira JD450A 4.219, 3.6 1971...1979 | Retroescavadeira JD450B 4.202 1971...1979 | Retroescavadeira JD450B 4.219, 3.6 1971...1979 | Retroescavadeira JD450C 4.202 1971...1979 | Retroescavadeira JD450C 4.219, 3.6 1971...1979 | Trator 1020OU 3.164, 5.8 1981...1983 | Trator 1020VU 3.164, 5.8 1981...1983 | Trator 1630 3.179DL-01, 2.9 1973...1982 | Trator 1630OU 3.179DL-01, 2.9 1973...1982 | Trator 1630VU 3.179DL-01, 2.9 1973...1982 | Trator 1640 4.239DL-03, 3.9 1979...1986 | Trator 1640F 4.239DL-03, 3.9 1979...1986 | Trator 1840 4.239DL-04, 3.9 1979...1986 | Trator 1840F 4.239DL-04, 3.9 1979...1986 | Trator 1850 3.179DL, 2.9 1986...1994 | Trator 1850F 3.179DL, 2.9 1986...1994 | Trator 1850V 3.179DL, 2.9 1986...1994 | Trator 1950 3.179TL, 2.9 1988...1994 | Trator 1950F 3.179TL, 2.9 1988...1994 | Trator 2030 4.219DL-03, 3.6 1972...1979 | Trator 2030OU 4.219DL-03, 3.6 1972...1979 | Trator 2040 3.152, 2.5 1980...1985 | Trator 2040 4.239DL-04, 3.9 1979...1986 | Trator 2040F 4.239DL-04, 3.9 1979...1986 | Trator 2040S 4.239DL-04, 3.9 1979...1986 | Trator 2130 4.239DL-01, 3.9 1972...1979 | Trator 2140 4.239TL-02, 3.9 1979...1986 | Trator 2150 3.179 Diesel, 2.9 1982...1986 | Trator 2150 3.179 DL-01, 2.9 1982...1986 | Trator 2155 3.179 Diesel, 2.9 1987...1992 | Trator 2240 164 1976...1982 | Trator 2240 3.179DL-01, 2.9 1979 | Trator 2250F 4.239DL, 3.9 1986...1994 | Trator 2255 3.179 Diesel, 2.9 1983...1987 | Trator 2350 Utility 4.239, 3.9 1983...1986 | Trator 2350 Utility 4.239DL-07, 3.9 1982 | Trator 2355 4.239, 3.9 1986...1992 | Trator 2355N 4.239, 3.9 1986...1992 | Trator 2450 4.239DL, 3.9 1986...1994 | Trator 2450F 4.239DL, 3.9 1986...1994 | Trator 2550 Utility 4.239, 3.9 1982...1987 | Trator 2550 Utility 4.239DL-06, 3.9 1982 | Trator 2555 4.239, 3.9 1987...1992 | Trator 260 JD 3029T 69HP Motor 1998...2006 | Trator 2750 4.239TL-04, 3.9 1982 | Trator 2755 4.239, 3.9 1987...1992 | Trator 2855N 4.239, 3.9 1987...1993 | Trator 2940 6.359DL-03, 5.9 1982 | Trator 2950 6.359DL-04, 5.9 1982 | Trator 2955 6.359 1987...1992 | Trator 3050 6.359DL, 5.9 1986...1993 | Trator 3055 6.359 1992 | Trator 3100 3.029D, 2.9 1995...1998 | Trator 3120 Utility 1972 | Trator 3155 6.359 1987...1992 | Trator 3255 359 1992 | Trator 5045D JD, 3029, 3-cyl, 45HP, 2.9 2008 | Trator 5050D JD, 3029, 3-cyl, 50HP, 2.9 2008 | Trator 5055E 3.029HPY40, 2.9 2013 | Trator 5055E 3.029TPY24, 2.9 2013 | Trator 5055E JD, 3029, 3-cyl, 55HP, 2.9 2008 | Trator 5065E 3.029HPY40, 2.9 2013 | Trator 5065E 3.029TPY24, 2.9 2013 | Trator 5065E JD, 3029, 3-cyl, 65HP, 2.9 2008 | Trator 5075E 3.029HPY40, 2.9 2013 | Trator 5075E 3.029TPY24, 2.9 2013 | Trator 5075E JD, 3029, 3-cyl, 75HP, 2.9 2008 | Trator 5080G Tier III, 4.5 2013 | Trator 5090G 4.045HAT81, 4.5 2013 | Trator 5105 JD Powertech 2.9L Dsl | Trator 5200 Utility 3.179 Diesel, 2.9 1992 | Trator 5205 JD Powertech 2.9L Dsl | Trator 5210 3 Cyl. 2.93L 2912cc 178cid 1998...2000 | Trator 5210 3-029, 2.9 1997 | Trator 5210 320, 2.9 1995 | Trator 5220 3 Cyl. 2.93L 2912cc 178cid 2001...2004 | Trator 5300 3-179, 2.9 1992...2000 | Trator 5300 3.179 Diesel, 2.9 1992 | Trator 5300N 3-179, 2.9 1992...2000 | Trator 5300N 3.179 Diesel, 2.9 1992 | Trator 5310 3 Cyl. 2.93L 2912cc 178cid 1998...2000 | Trator 5310 3029, 2.9 1997 | Trator 5310 320, 2.9 1995...2000 | Trator 5310N 3029 John Deere Diesel 1997...2006 | Trator 5310N 320, 2.9 1995...2000 | Trator 5310N 4.045, 4.5 2002 | Trator 5310N 4045 John Deere Diesel 1997...2006 | Trator 5320 3 Cyl. 2.93L 2912cc 178cid 2001...2004 | Trator 5320N 3029 John Deere Diesel 1997...2006 | Trator 5400 3.179 Diesel, 2.9 1992 | Trator 5400N 3-179, 2.9 1994...2000 | Trator 5400N 3.179 Diesel, 2.9 1992 | Trator 5410 320, 2.9 1995 | Trator 5410 4 Cyl. 4.52L 4483cc 273cid 1998...2000 | Trator 5410N 4045 | Trator 5415 4.045T, 4.5 2003...2008 | Trator 5415 Narrow 4.045T, 4.5 2003...2008 | Trator 5415H 4.045T, 4.5 2003...2008 | Trator 5500 3-179, 2.9 1992 | Trator 5500 4-239, 3.9 1992...2000 | Trator 5500N 3-179, 2.9 1992 | Trator 5500N 4-239, 3.9 1992 | Trator 5500N 4.239, 3.9 1992 | Trator 5620 4.045, 4.5 2003...2009 | Trator 6100 4.239, 3.9 1992...1996 | Trator 6100L 4.239, 3.9 1992...1996 | Trator 6200 4.039T, 4.0 1992...1998 | Trator 6300 4.039T, 4.0 1992...1998 | Trator 6300 4.239, 3.9 1993 | Trator 6300L 4.239, 3.9 1993 | Trator 6400 4.045T, 4.5 1992...1998 | Trator 6400 4.239, 3.9 1992...1998 | Trator 6400 4.276 1993 | Trator 6400L 4.045T, 4.5 1992...1998 | Trator 6405 4.045T, 4.5 1998...2001 | Trator 6410 4.045T, 4.5 1998...2001 | Trator 6410L 4.045T, 4.5 1998...2001 | Trator 6500 1993 | Trator 6500L 1993 | Trator 6510 4.045T, 4.5 1998...2001 | Trator 6510L 4.045T, 4.5 1998...2001 | Trator 6510S 4.045T, 4.5 1998...2001 | Trator 820 3 cil 1972...1980 | Trator 820 3.152, 2.5 1971...1975 | Trator 820VU 3.152, 2.5 1971...1975 | Trator 840 3.179 Diesel, 2.9 1979...1986 | Trator 840 3.179DL-04, 2.9 1979...1984 | Trator 920 3.152, 2.5 1971...1975 | Trator 920 3.152DL-02, 2.5 1971...1975 | Trator 930 3.164DL-15, 2.7 1975...1979 | Trator 940 3.179DL-05, 2.9 1979...1986 | Trator JD300 3.152DL-05, 2.5 1971...1974 | Trator JD300A 3.152DL-05, 2.5 1971...1974 | Trator JD350 3.152DL-10, 2.5 1971...1988 | Trator JD350A 3.152DL-10, 2.5 1971...1988 | Trator JD400 4.202 1971...1979 | Trator JD400 4.219, 3.6 1971...1979 | Trator JD400A 4.202 1971...1979 | Trator JD400A 4.219, 3.6 1971...1979 | Trator JD410 4.219DL-09, 3.6 1974...1988 | Trator Lawn 240 JD 3029D 46HP Motor 1998...2006 | Trator MD945 4.239TZ-01, 3.9 1973...1977 | Trator Utility 1020 3.164, 5.8 1981...1983

MOTOR

John Deere: RE60641 | RE63010 | RE501680 | RE501693 | RE502156 | RE502196 | SE501861 - **Lester:** 17086 - **Valeo:** D7R14

EQUIVALENTE / Equivalent

John Deere: RE501692 - **Valeo:** 187084 | 594308 - **WAI:** 549448

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IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

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APLICAÇÃO / Application / Aplicación

Lombardini: Motores 3LD e SÉRIE 6LD

MOTOR

Bosch: 0001107024 | 0001111010 | 0001115038 | 0001115042 - **Hatz:** 50316400 | 50316401 - **Lester:** 18369 | 18473 - **Lombardini:** 58400890 | 58401420 | 58402230 | 58402460

EQUIVALENTE / Equivalent

Bosch: 1006209602 - **Cargo:** 138252 - **WAI:** 549194

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IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

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APLICAÇÃO / Application / Aplicación

Agria: 6900 Ruggerini, RW270 - **Agrifull:** 60, 70, 80, 235 C, 345, 355 - **Arona:** AD 295, 395, 4100M, 495M, 952PM, AD 953, 954PM - **Bautz:** Commodore T600 - **Bomag:** BW211-B-BW, 212-B-SB - **Claas:** Consul, Consul Corsar | Mercator 50, 60, 70, 75R - **Fiat:** 402, 404 DT, 420 DT, 440 DT, V450 DT | 450 DT DAL, 455 C DAL, C SUPER, 470DT | 470 DTS, 480 8 DT, S, V, 500S - **Goldoni:** 1045R | Transporter 336, Universal 224, 226 - **Gutbrod:** 2500D - **Henschel:** F 20, 25, 30, 35 - **Iveco:** 110 13, 130 13 | 75 9A, 80 9A, 80 13A, 90 9, 90 13 - **KHD:** F1L410, 411, F2L410 - **Lombardini:** 5LD, 832, 834, L 27, 40, 54, LADM - **Magirus-Deutz:** M 80 D 6 FK FL, 7FK FL M90, M120 D-R
Ruggerini: Série CDR 95, 100, 951, MD350, P101 - **Same:** R 503, 603 DT, Solaris 45/35 - **Schanzlin:** Gigant 300, 300K - **UTB:** 350U, DTC, DT, 445 U, DTC, DT, 453 DT, DTP, 530 SI - **VM:** 103, 104, 1051, 1052, 1053, 1054

MOTOR

Iskra: AZJ3140 | AZJ3155 | AZJ3156 | AZJ3166 | AZJ3169 | AZJ3170 | AZJ3179 | AZJ3184 | AZJ3195 | AZJ3211 | AZJ3218 | AZJ3219 | AZJ3244 | AZJ3346 | AZJ3355 | AZJ3433 | AZJ3477 | AZJ3478 | AZJ3479 | AZJ3482 | AZJ3538 | AZJ3542 | 11130203 | 11130216 | 11130503 | 11130531 | 11130532 | 11130548 | 11130551 | 11130552 | 11130567 | 11130585 | 11130618 | 11130645 | 11130669 | 11130670 | 11130706 | 11130971 | 11131015 | 11131479 | 11132334 | 11132335 | 11132429 - **Mahle:** MS50 | MS107 | MS180 | MS220 | MS274 | MS277 | MS279 | MS308 | MS330 | MS335 | MS339 | MS351 | MS353 | MS364 | MS388 | MS389 | MS391

EQUIVALENTE / Equivalent

Iskra: 16900254 | 16900879 | 16903087 - **Mahle:** MSX280 | MSX689

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IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE

STARTER DRIVE / IMPULSOR DE PARTIDA

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APLICAÇÃO / Application / Aplicación

Agrale: 7.5t 4.3 1996... | 7000DX 4.3, Motor MWM410 1996...2005 | 7000TDX 4.3, Motor MWM410T 1997...2005 | 8500TDX 4.3, Motor MWM410T 1997... - **BKS:** Motores Motor, JHC DD99-D; 23HP 1958...1960 | Motores Motor, JHC DU132-D; 40HP 1958...1960 | Motores Motor, JHC30HP 1958...1960 - **Case:** 20E 6, Motor Cummins 6BT590 1996... - **Ford:** (A, AS, BR) 4.3, Motor MWM410T 1996... | (AM, AS, BR) 6.5, Motor MWM610 1996... | (AM, AS, BR) 6.5, Motor MWM610NA 1996... - **Man:** 10145 LXX 4.6, Motor D0824LFL02 2001...2002 | 10150FFL 6.9, Motor D0826GF01 1987...1992 | 10150FFL 6.9, Motor D0826GF03 1992...1993 | 10150FOC 4.6, Motor D0824LFL001 1995...1996 | 10150FOCL 6.9, Motor D0826OH02 1988...1992 | 10150HOCL 6.9, Motor D0826OH02 1988...1992 | 10153FFL 4.6, Motor D0824LFL01 1993...1995 | 10153LLALL 4.6, Motor D0824LFL01 1995... | 10153LLALL 4.6, Motor D0824LFL05 1995...1996 | 10163FFL 4.6, Motor D0824LFL02 1994...1995 | 10163LLALL 4.6, Motor D0824LFL02 1995... | 10163LLALL 4.6, Motor D0824LFL06 1995...1997 | 10163LLALL 4.6, Motor D0824LFL09 1997... | 10163LLALL 4.6, Motor D0824LFL09 1999...2001 | 10220FOC 6.9, Motor D0826LFL03 1995...1998 | 10220FOC 6.9, Motor D0826LFL10 1998...1999 | 10220FOCL 6.9, Motor D0826LFL03 1995...1998 | 10220FOCL 6.9, Motor D0826LFL03 1998... | 10223FFL 6.9, Motor D0826LFL06 1994...1995 | 10223LLALL 6.9, Motor D0826LFL06 1995...1996 | 10224FFL 6.9, Motor D0826LFL03 1994...1995 | 10224LLALL 6.9, Motor D0826LFL03 1995... | 11150HOCL 6.9, Motor D0826OH02 1992...1993 | 11190HOCL 6.9, Motor D0826LOH06 1993...1996 | 11190HOCL 6.9, Motor D0826OH02 1992...1993 | 11220HOCL 6.9, Motor D0826LOH15 1995... | 11220HOCL 6.9, Motor D0826LOH15 1995...2000 | 11220HOCL 6.9, Motor D0826LOH19 1998...2001 | 11222 6.9, Motor D0826LOH15 1996... | 11222 6.9, Motor D0826LOH15 1996...1998 | 11222 6.9, Motor D0826LOH15 1996...2001 | 11222223 6.9, Motor D0826LOH15 1996... | 11223 6.9, Motor D0826LOH15 1998...2001 | 11230HOCL 6.9, Motor D0826LOH03 1993...1996 | 12152FFL 4.6, Motor D0824LFL01 1994...1996 | 12152FFL 6.9, Motor D0826F01 1988...1992 | 12152FFL 6.9, Motor D0826F02 1992...1994 | 12162F 4.6, Motor D0824LFL02 1995...1996 | 12162FL 4.6, Motor D0824LFL02 1995...1996 | 12163L 4.6, Motor D0824LFL06 1995...1997 | 12163L 4.6, Motor D0824LFL09 1997... | 12163L 4.6, Motor D0824LFL09 1999...2001 | 12163LL 4.6, Motor D0824LFL06 1996...1997 | 12163LL 4.6, Motor D0824LFL09 1997... | 12163LL 4.6, Motor D0824LFL09 1999...2001 | 12192F 6.9, Motor D0826LFL01 1990...1992 | 12192F 6.9, Motor D0826LFL05 1992...1994 | 12192F 6.9, Motor D0826LFL07 1994...1996 | 12192FA 6.9, Motor D0826LFL07 1994...1996 | 12192FFL 6.9, Motor D0826LFL01 1990...1992 | 12192FFL 6.9, Motor D0826LFL05 1992...1994 | 12192FFL 6.9, Motor D0826LFL07 1994...1996 | 12192FL 6.9, Motor D0826LFL01 1990...1992 | 12192FL 6.9, Motor D0826LFL05 1992...1994 | 12192FL 6.9, Motor D0826LFL07 1994...1996 | 12222F 6.9, Motor D0826LFL11 1994...1996 | 12222FA 6.9, Motor D0826LFL11 1994...1996 | 12222FFAFL 6.9, Motor D0826LFL11 1994...1996 | 12222FL 6.9, Motor D0826LFL11 1994...1996 | 12224LLL 6.9, Motor D0826LFL03 1995...1997 | 12224LLL 6.9, Motor D0826LFL10 1997... | 12224M 6.9, Motor D0826LFL18 1999...2001 | 12224ML 6.9, Motor D0826LFL18 1999...2001 | 12224MML 6.9, Motor D0826LFL18 1997... | 12232F 6.9, Motor D0826LFL02 1988...1992 | 12232F 6.9, Motor D0826LFL06 1992...1994 | 12232F 6.9, Motor D0826LFL08 1994...1996 | 12232FA 6.9, Motor D0826LFL02 1990...1992 | 12232FA 6.9, Motor D0826LFL06 1992...1994 | 12232FA 6.9, Motor D0826LFL08 1994...1996 | 12232FFAFL 6.9, Motor D0826LFL02 1988...1992 | 12232FFAFL 6.9, Motor D0826LFL06 1992...1994 | 12232FFAFL 6.9, Motor D0826LFL08 1994...1996 | 12232FL 6.9, Motor D0826LFL02 1988...1992 | 12232FL 6.9, Motor D0826LFL06 1992...1994 | 12232FL 6.9, Motor D0826LFL08 1994...1996 | 12255MC 6.9, Motor D0836LFL05 2001 | 12255MLS 6.9, Motor D0836LFL05 2001... | 12262F 6.9, Motor D0826LFL13 1995...1996 | 12262FFL 6.9, Motor D0826LFL13 1995...1996 | 12262FL 6.9, Motor D0826LFL13 1995...1996 | 12264MML 6.9, Motor D0826LFL17 1999...2001 | 12264MML 6.9, Motor D0826LFL17 1997... | 12272F 6.9, Motor D0826LFL04 1992...1996 | 12272FA 6.9, Motor D0826LFL04 1993...1995 | 12272FFL 6.9, Motor D0826LFL04 1992...1996 | 12272FL 6.9, Motor D0826LFL04 1992...1996 | 12284MC 6.9, Motor D0836LFL01 1998...2001 | 12284MLCMLS 6.9, Motor D0836LFL01 1999...2001 | 12285MC 6.9, Motor D0836LFL03 2001 | 13220HOCL 6.9, Motor D0826LOH 1995...1998 | 13220HOCL 6.9, Motor D0826LOH15 1998... | 13220HOCL 6.9, Motor D0826LOH15 1998...2001 | 13230HOCL 6.9, Motor D0826LOH 1995... | 14152FFL 4.6, Motor D0824LFL01 1994...1996 | 14152FFL 6.9, Motor D0826F01 1988...1991 | 14152FFL 6.9, Motor D0826F02 1991...1994 | 14162FFL 4.6, Motor D0824LFL02 1995...1996 | 14163L 4.6, Motor D0824LFL09 1999...2001 | 14163LL 4.6, Motor D0824LFL09 1999...2001 | 14163LLL 4.6, Motor D0824LFL06 1995...1997 | 14163LLL 4.6, Motor D0824LFL09 1997... | 14192FFL 6.9, Motor D0826LFL01 1990...1992 | 14192FFL 6.9, Motor D0826LFL05 1992...1994 | 14192FFL 6.9, Motor D0826LFL07 1994...1996 | 14220HOCLNL 6.9, Motor D0826LOH19 1998... | 14222F 6.9, Motor D0826LFL11 1994...1996 | 14222FFL 6.9, Motor D0826LFL11 1994...1996 | 14222FL 6.9, Motor D0826LFL11 1994...1996 | 14224LL 6.9, Motor D0826LFL18 1999...2001 | 14224LLALL 6.9, Motor D0826LFL03 1995...1997 | 14224LLALL 6.9, Motor D0826LFL10 1997... | 14224MMAML 6.9, Motor D0826LFL15 1995...1997 | 14224MMAML 6.9, Motor D0826LFL18 1997... | 14232F 6.9, Motor D0826LFL02 1988...1992 | 14232F 6.9, Motor D0826LFL06 1992...1994 | 14232F 6.9, Motor D0826LFL08 1994...1996 | 14232FFL 6.9, Motor D0826LFL02 1988...1992 | 14232FFL 6.9, Motor D0826LFL06 1992...1994 | 14232FFL 6.9, Motor D0826LFL08 1994...1996 | 14232FFL 6.9, Motor D0826LFL217Silent 1990...1995 | 14232FL 6.9, Motor D0826LFL02 1988...1992 | 14232FL 6.9, Motor D0826LFL06 1992...1994 | 14232FL 6.9, Motor D0826LFL08 1994...1996 | 14262FFL 6.9, Motor D0826LFL13 1995...1996 | 14264 MMAML 6.9, Motor D0826LFL17 1999...2001 | 14264LLALL 6.9, Motor D0826LFL09 1995... | 14264MMAML 6.9, Motor D0826LFL17 1995... | 14272F 6.9, Motor D0826LFL04 1992...1996 | 14272FFL 6.9, Motor D0826LFL04 1992...1996 | 14284LAFF 6.9, Motor D0836LFL01 1998...2001 | 14284LACLAK 6.9, Motor D0836LFL01 1998...2001 | 14284LCLRC 6.9, Motor D0836LFL01 1998...2001 | 14284KLKRK 6.9, Motor D0836LFL01 1998...2001 | 14284LLC 6.9, Motor D0836LFL01 1999...2001 | 14284LLC 6.9, Motor D0836LFL01 1998...2001 | 14284MAK 6.9, Motor D0836LFL01 1998...2001 | 14284MALF 6.9, Motor D0836LFL01 1998...2001 | 14284MCMCMLLC 6.9, Motor D0836LFL01 1998...2001 | 14284MLS 6.9, Motor D0836LFL01 1999...2001 | 15163LLL 4.6, Motor D0824LFL06 1995...1997 | 15163LLL 4.6, Motor D0824LFL09 1997... | 15163LLL 4.6, Motor D0824LFL09 1999...2001 | 152 4.6, Motor D0824LOH01 1991...1996 | 152 6.9, Motor D0826LOH02 1990...1993 | 152 6.9, Motor D0826OH02 1990...1993 | 152 MIDI 6.9, Motor D0826LOH01 1992...1995 | 152 MIDI 6.9, Motor D0826OH02 1987...1994 | 15224LLL 6.9, Motor D0826LFL03 1995...1997 | 15224LLL 6.9, Motor D0826LFL10 1997... | 15264LLL 6.9, Motor D0826LFL09 1995... | 15284LC 6.9, Motor D0836LFL01 1998...2001 | 15284LKL 6.9, Motor D0836LFL01 1998...2001 | 15284LLC 6.9, Motor D0836LFL01 1999...2001 | 17192F 6.9, Motor D0826LFL01 1990...1991 | 17192F 6.9, Motor D0826LFL01 1990...1992 | 17192F 6.9, Motor D0826LFL05 1992...1994 | 17192F 6.9, Motor D0826LFL05 1992...1995 | 17192F 6.9, Motor D0826LFL07 1994...1996 | 17192FA 6.9, Motor D0826LFL01 1990...1992 | 17192FA 6.9, Motor D0826LFL05 1992...1994 | 17192FA 6.9, Motor D0826LFL07 1994...1996 | 17192FL 6.9, Motor D0826LFL01 1990...1995 | 17192FL 6.9, Motor D0826LFL01, D0826LFL05 1990...1995 | 17192FL 6.9, Motor D0826LFL05 1992...1995 | 17192GM2 6.9, Motor D0826LFL01 1991...1992 | 17192GM2 6.9, Motor D0826LFL05 1992...1994 | 17222FA 6.9, Motor D0826LFL11 1994...1996 | 17232F 6.9, Motor D0826LFL 1990...1994 | 17232F 6.9, Motor D0826LFL02 1988...1991 | 17232F 6.9, Motor D0826LFL02 1988...1991 | 17232FA 6.9, Motor D0826LFL 1990...1995 | 17232FA 6.9, Motor D0826LFL02 1989...1995 | 17232FA 6.9, Motor D0826LFL02, D0826LFL06 1989...1995 | 17232FA 6.9, Motor D0826LFL06 1992...1995 | 17232FA 6.9, Motor D0826LFL08 1994...1996 | 17232FL 6.9, Motor D0826LFL 1990...1995 | 17232FL 6.9, Motor D0826LFL02 1988...1995 | 17232FL 6.9, Motor D0826LFL02, D0826LFL06 1988...1995 | 17232FL 6.9, Motor D0826LFL06 1992...1995 | 17232GM2 6.9, Motor D0826LFL02 1991...1992 | 17232GM2 6.9, Motor D0826LFL06 1992...1994 | 17272FLS 6.9, Motor D0826LFL04 1992...1995 | 18192F 6.9, Motor D0826LFL01, D0826LFL05 1990...1994 | 18192F 6.9, Motor D0826LFL07 1994...1996 | 18192FFL 6.9, Motor D0826LFL01 1990...1994 | 18192FFL 6.9, Motor D0826LFL05 1992...1994 | 18192FFL 6.9, Motor D0826LFL07 1994...1996 - **McCormick:** D322 Motor, DD-99; 22HP 1965 | D326 Motor, DD-111; 26HP 1965 | D430 Framall Motor, DD-132; 30HP 1956...1963 | D432 Motor, DD-132; 32HP 1959...1965 | D436 Motor, DD-148; 36HP 1959...1963 | D439 Motor, DD-148; 39HP 1959...1963 | D8-61 Motor, JHC DU-111D; 34HP 1959...1963 | DED Farmall Motor, DD-99; 20HP 1953...1955 - **Puma:** 7900 (AM, AS, BR) 4.3, Motor MWM410 1996... | 7900T (AM, AS, BR) 4.3, Motor MWM410T 1997... - **Star Truck:** 12155 4.6, Motor D0824LFL09 1998...1999 | 12157 4.6, Motor D0824LFL09 1998...1999 | 8125 4.6, Motor D0824LFL10 1998...1999 - **Volkswagen:** 12140T (AM, AS, BR) 4.3, Motor MWM4.10T 1997... | 12150BT (AS, BR, D, DOM) 6.1, Motor MWM610 1996... | 12170BT (AM, AS, BR) 5.8, Motor Cummins 6BTAA 1997... | 14150 (AS, BR, D, DOM) 6.5, Motor MWM6.10 1991... | 14170BT (AS, BR, D, DOM) 5.8, Motor Cummins 6BTAA 1997... | 14200 Turbo Charger (AS, BR, D) 6.5, Motor MWM6.10 1991... | 7100 (AM, AS, BR) 4, Motor MWM4.10T 1994... | 8140 Turbo Charger (AM, AX, BR) 4.3, Motor MWM4.10T 1994...

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STARTER DRIVE / IMPULSOR DE PARTIDA

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MOTOR

Iskra: IS0537 | IS0729 | IS0783 | AZJ3160 | AZJ3281 | AZJ3282 | AZJ3387 | AZJ3486 | 11130537 | 11130783 | 11130784 | 11131143 | 11132501 - **Lester:** 30115 - **Mahle:** MS310 | MS311 | MS321 | MS812

EQUIVALENTE / Equivalent

Cargo: 234270 - **Iskra:** 16903392 - **Mahle:** MSX329

2029**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

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APLICAÇÃO / Application / Aplicación

Komatsu: Pala Gommata | WA90-3 - **Yanmar:** 4TNE102 3.0, 12V | 4TNE106 3.0, 12V

MOTOR

Hitachi: S13160 | S14102

EQUIVALENTE / Equivalent

Cargo: 333974 - **Hitachi:** 213045009

2038**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

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APLICAÇÃO / Application / Aplicación

Ahlmann: Pá carregadeira AX100 2.4 | Pá carregadeira AX1000 2.4 | Pá carregadeira AX70 2.4 | Pá carregadeira AX700 2.4 | Pá carregadeira AX850 2.4 - **Dynapac:** Rolo compactador CA134D 3.0 | Rolo compactador CA134PP 3.0 - **John Deere:** Motores 4024 2.4, 4 cil | Pá carregadeira 244J 2004 | Pá carregadeira 304J 3.1 2004 | Pá carregadeira 313 2.4 2007 | Pá carregadeira 315 2.4 2007 | Pá carregadeira 317 2.4 2004 | Pá carregadeira 320 2.4 2004 | Pá carregadeira 325 3.0 2000...2004 | Pá carregadeira 328 3.0 2005 | Pá carregadeira 332 3.0 2005 | Pá carregadeira 4120 2.4 2004 | Pá carregadeira 4320 2.4 2004 | Pá carregadeira 4520 2.4 2004 | Pá carregadeira 4720 2.4 2004 | Pá carregadeira 5065M 3.0 2008 | Pá carregadeira 5075M 3.0 2008 | Pá carregadeira CT315 2.4 | Pá carregadeira CT322 2.4 | Pá carregadeira CT332 3.1 | Trator Farm 5325N - **Mecalac:** Pá carregadeira AX1000 2.4 2010 | Pá carregadeira AX700 2.4 2010 | Pá carregadeira AX850 2.4 2010

MOTOR

Iskra: IS1154 | IS1252 | AZE6505 | AZE6510 | AZE6524 | AZE6544 | AZE6551 | 11131402 | 11131556 | 11131750 | 11131861 - **John Deere:** RE422402 | RE508922 | RE522402 | RE525885 | RE531243 | RE540303 | RE540304 | RE540305 | SE501844 - **Lester:** 18954 - **Mahle:** MS221 | MS428

EQUIVALENTE / Equivalent

Iskra: 16911688 - **Mahle:** MSX570

2049**IMPULSOR DE PARTIDA DO MOTOR DE ARRANQUE**

STARTER DRIVE / IMPULSOR DE PARTIDA

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APLICAÇÃO / Application / Aplicación

Agrale: Máquinas Agrícolas

MOTOR

Iskra: IS1363 | AZE2193 | 11131517 - **Mahle:** MS133

EQUIVALENTE / Equivalent

Iskra: 16907632 - **Mahle:** MSX880

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PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Fiat Allis: 673 MWM Diesel | 805C MWM - **Lancia:** Beta Z50 | Esadelta B | Esagamma | Esatu - **Mercedes Benz:** OM321 | OM324 | OM326 - **Volvo:** DR860 | DR860T | LM1240 | LM840 | S950 | SM868 | T800 | T814 | VHK116 | VHK118 | VHK310

MOTOR

Bosch: 0001400152 | 0001401007 | 0001401025 | 0001401041 | 0001401049 | 0001401050 | 0001401051 | 0001401052 | 0001401061 | 0001401066 | 0001401074 | 0001402008 | 0001402050 | 0001402054 | 0001402055 | 0001402058 | 0001402059 | 0001402060 | 0001402061 | 0001402071 | 0001402075 | 0001402080 | 0001402081 | 0001402083 | 0001501001 | 0001501038 | 9967600004 - **Efel:** 22202 - **Fiat:** 587624 | 4127580 | 8961386 | 8962232 - **Iskra:** 10130121 | 10130123 | 11130005 | 11130009 | 11130104 | 11130115 | 11130148 - **Magneti Marelli:** 63211627 | 63211665 | 63211669 | 63213127 | 63213812 | 63214349 | 63214371 | 63216225 | 63216325

EQUIVALENTE / Equivalent

Bosch: 2006380010 | 2006380410 | 2006380414 | 2006380418 | 2006381410 - **Fiat:** 8122125 | 9004794 | 9923779 - **Iskra:** 18100098 - **Italacciai:** SP201 - **Lester:** 16369 | 17108 | 18039 - **Lucas Indiel:** 223104 - **WAI:** 5491207

0036

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Alfa Romeo: 400 | 450 - **Caterpillar:** Motoniveladora 12E ...01/1973 - **Fiat:** Caminhão FNM D9500 - **KHD:** D8005 | M90D7FL | M90D7L - **Lancia:** Esadelta | Esaro 3RO | Esatu - **Scania:** DS11 R82A marítimo com turbo compressor Holset 4 LE | Motor D11 marítimo ED 1966 | Motor D11 R81 marítimo ED 1966...1970 | Motor DS11 R82A | Ônibus B115 ... 04/1975 | Ônibus BR110 ... 04/1975 | Ônibus BR115S ... 04/1975

MOTOR

Bosch: 0001401002 | 0001401044 | 0001401045 | 0001401046 | 0001402002 | 0001402051 | 0001402052 | 0001402053 | 0001402057 | 0001501003 | 0001501020 | 0001501032 | 9000085004 | 9967600005 - **Femsa:** MTH241 | MTH242 | MTH244 - **Iskra:** 11130158

EQUIVALENTE / Equivalent

Bosch: 2006380558 | 2006381558 - **Femsa:** 3550 - **Fiat:** 9008738 - **Iskra:** 18100021 - **Italacciai:** SP205 - **Lucas Indiel:** 223105 - **Volkswagen:** 2431807 - **WAI:** 5491200

0078

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Fiat: 180 | 210 - **Massey Ferguson:** 44 | 55 | 55C | 600 | 66 | 66C | 700C | 77C | C44 | D66

MOTOR

Bosch: 0001410026 | 0001410027 | 0001410035 | 0001410047 | 0001410094 | 0001415007 | 0001416004

EQUIVALENTE / Equivalent

Bosch: 2006382154 | 2006383154 - **WAI:** 5491202

0087

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

ABG: Jumbo 140 - **Aifo:** M32S | M42S | M52S - **Asia Motors:** PR425 - **Case:** Pá Carregadeira com motor Scania | Trator 2470 | Trator 4490 | Trator W36 - **Daf:** 95310 | 95330 | 95350 | 95360 | 95380 | 95400 | 95430 - **Falr:** M1620H - **Fiat:** 13.304F | 159 | 190 F20-190 (Unic V 85 S) | 190PAC20 | 260 | 260 (Unic V 85 S) | 26304DFS | 30.304DFS | Caminhão 130NC | Caminhão 150NC | Caminhão 190 | NC20-170 | NR | NT20 - **Fiat Allis:** Trator de Esteiras AD14 com motor Scania
Fiat Iveco: 130.20 | 150.20 | 159.20 | 170.20 | 190.20 - **Ford:** Caminhão Cargo 1317 | Caminhão Cargo 1320 | Caminhão Cargo 1517 | Caminhão Cargo 1520 | Caminhão Cargo 1617 | Caminhão Cargo 1620 | Caminhão Cargo 2220 | Caminhão Cargo 2420 | Caminhão Cargo 2817 | Caminhão Cargo 3020 | Caminhão Cargo 3220 - **KHD:** DL1300 | F6L413 | F8L413 | L | M150E10 | M150L10 | M170D | M200L | M232D | R | S | SH | TL | TR - **Massey Ferguson:** Trator MF4780 (SSB-DN11) | Trator MF4780 com motor Scania DN11 - **Mercedes Benz:** Caminhão MB856 | Caminhão MB858 | Caminhão MB866 | Caminhão MB868 - **Pegaso:** 1228T | 1231 | 1236 | 1331 | 1431 | 2331 | 2431K | 3560 | 5023 | 5024 | 5036 | 6038 | 6420 | 6424 - **Scania:** Caminhão 140 | Caminhão 140 Super | Caminhão 141 Super | Caminhão 145 | Caminhão BR145 | Caminhão CR145L | Caminhão CR145T | Caminhão CR145X | Caminhão DSI14 | Caminhão L101 | Caminhão L142 | Caminhão LK140 | Caminhão LK141 | Caminhão LK142 | Caminhão LKS140 | Caminhão LKS141 | Caminhão LKS142 | Caminhão R142 | Caminhão R142-410 | Caminhão T142 | Caminhão T142-410 | Chassi p/ ônibus K112, S112 | Ônibus BR115 05/1975... | Ônibus BR115S 05/1975... | Ônibus BR116 05/1975... | Ônibus BR116S 05/1975... - **Valmet:** 110KVA | 115KVA | 125KVA | 150KVA (V1308) - **Volvo:** Caminhão 59 | Caminhão B10M | Caminhão B58 | Caminhão F10 | Caminhão F88 | Caminhão FB88 | Caminhão G88.T | Caminhão N | Caminhão N10 | Caminhão N12 | Caminhão NB88TS | Caminhão NL10210 | Caminhão NL10340 | Caminhão NL12400 | Caminhão R | Caminhão T | Chassi p/ ônibus B10M | Chassi p/ ônibus B58E

0087

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

MOTOR

Bosch: 0000084013 | 0001410019 | 0001410032 | 0001410034 | 0001410037 | 0001410044 | 0001410046 | 0001410050 | 0001410062 | 0001410063 | 0001410069 | 0001410074 | 0001410077 | 0001410087 | 0001410098 | 0001410102 | 0001410106 | 0001410111 | 0001410115 | 0001411005 | 0001411010 | 0001411012 | 0001411013 | 0001411015 | 0001411016 | 0001411036 | 0001413018 | 0001414008 | 0001414019 | 0001415008 | 0001415009 | 0001415011 | 0001415013 | 0001415017 | 0001416003 | 0001416005 | 0001416006 | 0001416007 | 0001416008 | 0001416009 | 0001416011 | 0001416012 | 0001416030 | 0001416031 | 0001416032 | 0001416033 | 0001416034 | 0001416035 | 0001416036 | 0001416039 | 0001416048 | 0001416049 | 0001416050 | 0001416053 | 0001416058 | 0001416062 | 0001416067 | 0001416068 | 0001416069 | 0001416070 | 0001416071 | 0001416075 | 0001416076 | 0001417002 | 0001417016 | 0001417022 | 0001417023 | 0001417024 | 0001417033 | 0001417035 | 0001417042 | 0001417043 | 0001417044 | 0001417045 | 0001417047 | 0001417048 | 0001417054 | 0001417055 | 0001417056 | 0001417060 | 0001417066 | 0001417068 | 0001417071 | 0001417072 | 0001418010 | 9000084010 | 9000084011 | 9000084012 | 9000084013 | 9000084014 | 9000084017 | 9000084018 | 9000084019 | 9000084021 - **Fiat:** 61227993 - **Italacciai:** 1410032 - **Pegaso:** 6100S

EQUIVALENTE / Equivalent

Bosch: 2006382018 | 2006382019 | 2006382152 | 2006382156 | 2006382172 - **Cargo:** 130418 - **Efel:** 10779 - **Fiat:** 8122126 | 9004229 | 9984246 - **Iskra:** 15100152
Italacciai: SP208 - **Lester:** 17094 | 18117 | 18220 | 18222 | 18253 - **Lucas:** TMB156 - **Lucas Indiel:** 222421 | 223204 - **WAI:** 5491203

0088

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Asia Motors: Compressor AX430 - **Case:** Pá Carregadeira W36 com motor Cummins - **Caterpillar:** Cat D300 | Moto Scraper 631E | Trator de Esteiras D8L e 631E
Cummins: Motor 250 Super | Motor N | Motor N855 | Motor NT | Motor NTA | Motor NTA855 - **Komatsu:** Trator de Esteiras D60A com motor Cummins N855 | Trator de Esteiras D60E com motor Cummins N855 | Trator de Esteiras D60F com motor Cummins N855 | Trator de Esteiras D65 com motor Cummins N855 | Trator de Esteiras D65A com motor Cummins N855 - **Mafersa:** Trator M série M 240 Cummins 6CTA 8.3 09/1991...

MOTOR

Bosch: 0001411007 | 9000084008 | 9000084020 | 9000084022 | 9000084023

EQUIVALENTE / Equivalent

Bosch: 2006382168 - **Lucas Indiel:** 223181 - **WAI:** 5491192

0089

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Case: Pá Carregadeira W36B turbo - **Caterpillar:** Motoniveladora 120B | Motoniveladora 140B (3306) | Motores geradores 3304T | Motores geradores 3306T | Pá Carregadeira 930 | Pá Carregadeira 966 | Trator de Esteiras D4E | Trator de Esteiras D6D - **Cummins:** Chassi p/ ônibus RC210 | Chassi p/ ônibus UC210 | Motor 6C 8.3 Its | Motor 6CT 8.3 Its | Motor 6CTA 8.3 Its - **Komatsu:** Esteira D60F com motor Cummins N855C 1993... | Esteira D65E com motor Cummins N855C 1993... | Esteira D73E com motor Cummins N855C 1993... | Esteiras D60E com motor Cummins N855C 1993... | Trator WA 180 Cummins 6BT 5.9 02/1997... - **Mafersa:** Trator M série M 210 Cummins 6CTA 8.3 09/1991... - **Volkswagen:** Caminhão VW14.170 | Caminhão VW14.210 | Caminhão VW16.170 | Caminhão VW16.210 - **Volvo:** FH12 1993 | FH12 1995 | FL7 1991 | FM12 1998 | FS7 1994...1996

MOTOR

Bosch: 0001416061 | 0001417065 | 0001417075 | 9000084007 | 9000084009 | 9000084024 | 9000084026

EQUIVALENTE / Equivalent

Bosch: 2006382190 | 9001084064 - **Lucas Indiel:** 222422 - **WAI:** 5491211

9028

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Caterpillar: Máquinas com motor D330C | Máquinas com motor D333C | Máquinas com motor D334C | Máquinas com motor D336C | Máquinas com motor D344C - **ZEN:** Utilizado no Impulsor ZEN 0097

MOTOR

Ford: C8ZF11000C | D3OZ11002A | D4TZ11002E | D3TF11000CA | D3TF11001CA - **Remy:** 1109624 | 1109628 | 1109637 | 1109638 | 1109998 | 1113353 | 1113366 | 1113371 | 1113378 | 1113386 | 1113393 | 1113407 | 1113472 | 1113477 | 1113628 | 1113631 | 1113670 | 1113827 | 1113848 | 1113853 | 1113891 | 1113904 | 1113928 | 1113934 | 1113943

EQUIVALENTE / Equivalent

WAI: 541204

9074

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 140

APLICAÇÃO / Application / Aplicación

Caterpillar: Máquinas equipadas com motor D311 | Máquinas equipadas com motor D320 | Máquinas equipadas com motor D330 | Máquinas equipadas com motor D333 | Máquinas equipadas com motor D342 | Máquinas equipadas com motor D343 - **Cummins:** Motor Cummins 42 MT 12/14V - **John Deere:** John Deere 42 MT

Massey Ferguson: Massey Ferguson - **ZEN:** Utilizado no Impulsor ZEN 0110

9074	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
MOTOR		
Caterpillar: 7M8651 - Chrysler: 15056 15113 - Ford: C3TF11000A C3TZ11001A C4TF11000A C4TZ11002A C5TZ11002C C6TF11001A C9HZ11000C D3TF11000A - Leece Neville: CATF11000A CATZ11002A - Remy: 1109625 1109627 1109631 1109636 1109642 1109643 1109649 1109755 1109759 1113475 1113519 1113643 1113645 1113832 1113884 1113952 1113955 1113956 1113957 1113958 1113965 1113966 1113968 1113970 1113971 1113972 1113973 1113974 1113975 1113977 1113978 1113979 1113981 1113983 1113986 1113994 1113995 1113997 1114066 1114092 1114140 1114143 1114145 1114148 1114150 1114197 10478802 10478813 10478824 10478829 10478894 10478911 10478986 10478998		
EQUIVALENTE / Equivalent		
WAI: 541202		

9186	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
Honda: Civic 1.3 - 1.4 - 1.5 - 1.6 Concerto 1.3 - 1.4 - 1.5 (16v) Shuttle 1.5 - 1.6 - Kubota: Tratores - Toyota: 2S - 2Y - 3Y - 4Y Camry 1.8 - 2.0 Carina II 1.8 - 2.0 Corolla 1.8 - 2.0 MR2 - ZEN: Utilizado no Impulsor ZEN 0947 e ZEN 0818		
MOTOR		
Honda: DRK1E 31200657671 31200675671 31200689661 31200689662 31200PA0671 31200PB2016 31200PC2004 31200PC2661 31200PC2662 31200PC2671 31200PC2672 31200PC6661 31200PD2661 31200PE0661 31200PE1671 31200PG6911 31200PM3003 31200PV2662 31200PV2671 Nippondenso: 128000721 1280005080 128007210 280001661 280002911 280004020 280004021 280004044 280004240 280004241 280004242 280004243 280004250 280004251 280004252 280004253 280004320 280004321 280004322 280004323 280004340 280004341 280004342 280004343 280004450 280004510 280004512 280004540 280004550 280004900 280004940 280004951 280005100 280005820 280005821 280005822 280005900 280005910 280005912 280006000 280006001 280006030 280006040 280006140 280006360 280006361 280006362 280006620 280006701 280006710 280006711 280007190 280007191 280007320 280007321 280007380 280007390 280007391 280007392 280007550 280007560 280007620 280007700 280007990 280008000 280008050 280008060 280008080 280008180 280008220 280008380 280008620 280008670 280009070 280009120 280009121 280009260 280009270 280009320 280009321 280009340 280009380 280009720 280009730 280009860 1280000120 1280000130 1280000280 1280000300 1280000400 1280000590 1280000620 1280000622 1280001240 1280001250 1280001350 1280001370 1280001440 1280001900 1280002040 1280002060 1280002180 1280002190 1280002590 1280003350 1280004420 1280005080 1280005340 1280005561 1280005571 1280005580 1280005581 1280005630 1280005691 1280005700 1280005780 1280007210 1280008200 1280008210 1280008500 1280009950 - Toyota: 2810010040 2810013010 2810015020 2810015040 2810015070 2810015130 2810015180 2810016020 2810016080 2810020550 2810020551 2810020552 2810026043 2810026053 2810026061 2810026063 2810026070 2810026100 2810026110 2810026120 2810027050 2810034044 2810034052 2810034060 2810034080 2810041060 2810045030 2810045031 2810045032 2810060070 2810063020 2810063050 2810072010 2810072020 2810072090		
EQUIVALENTE / Equivalent		
Honda: 31213671671 31221657004 - Lester: 16248 16586 16600 16760 16761 16905 16906 17027 17028 17101 17118 17254 17345 17365 17374 17378 17606 - Nippondenso: 0280993088 0280993090 0283001603 - Toyota: 2801126041 2801126042 - Unipoint: SD5201 - WAI: 5482201		

9260	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
John Deere: John Deere Excavator - Massey Ferguson: MF-1205 1993...1996 MF-1220 Isekinouki 3-69 Diesel 1993...1999 MF-1230 1993...2000 MF-1235 1997...2000		
MOTOR		
Isuzu: 5811000860 5811001550 5811001660 5811001661 5811001830 8941233870 8941337583 8941492490 8941702050 8944127301 - Nippondenso: 128000830 280005060 280006440 280007000 280007790 280007791 1280000020 1280000830 1280000831 1280000960 1280001100 1280002881 1280004390		
EQUIVALENTE / Equivalent		
Isuzu: 5811240030 5811240060 - Lester: 16739 17303 17381 - Nippondenso: 0280993400 0283001841 - WAI: 5482204		

9302	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
Case: Tratores - Cummins: Especial/Special - Dodge: Especial/Special - ZEN: Utilizado no Impulsor ZEN 1829		
MOTOR		
Nippondenso: 280005880 1280000210 1280000540 1280002270 1280002480 1280003120 1280004220 1280004910 1280009500 2280000620		
EQUIVALENTE / Equivalent		
Lester: 16658 16990 17215 17390 17394 17548 17600 - Nippondenso: 0280993230 - WAI: 5482202		

9403	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
Kubota: Tratores		

9403	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
MOTOR		
Nippondenso: 280005000 280007730		
EQUIVALENTE / Equivalent		
Lester: 16651 17359 - Nippondenso: 0280993210 - WAI: 5482211		

9426	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
Caterpillar: Máquinas - Clark: Empilhadeiras - Ford: Tratores - Ishikawajima: Especial/Special - Nissan: Forklift		
MOTOR		
Mitsubishi: M2T52881 MM115518		
EQUIVALENTE / Equivalent		
Lester: 17110 17244 - Mitsubishi: MM502529 M605X23471 M605X25771 M605X32471 - Nissan: 23357W1011 - WAI: 5483211		

9459	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
Bobcat: 1075 John Deere 4-276 Dsl 1975...1981 1080 John Deere 4-276 Dsl 1979...1982 1080B John Deere 4-276 Dsl 1983...1985 975 J. Deere 4-276 Dsl 1974...1990 Clark: 1075 John Deere 4276 1975...1981 1080 J. Deere 4276 1982...1985 975 J. Deere 4276 1974...1990 - John Deere: 4039DFM 4cil, 239ci, 3.9L 4045DFM50 4cil, 276ci, 4.5L 4045DFM70 4 cil, 276ci, 4.5L 2004...2007 4045TFM 4cil, 276ci, 4.5L 4045TFM50 4cil, 276ci, 4.5L 4045TFM75 4cil, 276ci, 4.5L 2004...2007 503 4239 John Deere 9930 359 Diesel 1987...1993 White Wing 4276 John Deere Diesel		
EQUIVALENTE / Equivalent		
Lester: 17362 - Nippondenso: 0280996200 - WAI: 5482210		

9495	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
APLICAÇÃO / Application / Aplicación		
Nissan: Lift Trucks AH A15 Engine Lift Trucks APH A15 Engine Lift Trucks APH H20 Engine Lift Trucks Ash A15 Engine Lifts Trucks Ash H20 Engine Lifts Trucks Cef H20 Engine Nissan 23300-20H00, 23300-20H12 Nissan 23300-20H00, 23300-20H12 Nissan Ag Nissan Lift Truck - TCM Equipment Ag: Lifts Trucks Fhg 20N Z24 Engine		
MOTOR		
Lester: 16947 - Mitsubishi: M2T58081 M2T58381 M2T58481		
EQUIVALENTE / Equivalent		
Mitsubishi: M605X34971 - Nissan: 2335720H12 - WAI: 5483212		

9791	PINHÃO PINION / PIÑON	FOTO / Photo pg. 140
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		

10048	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
APLICAÇÃO / Application / Aplicación		
Caterpillar: V60E Perkins 4-236 1985...1991 V80E Perkins 4-236 1985...1991 - ZEN: Utilizado no Impulsor 1846		
EQUIVALENTE / Equivalent		
Lester: 17622 - WAI: 5482223		

12812	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
APLICAÇÃO / Application / Aplicación		
Mitsubishi: E2500 Diesel XA E3000 Fuso Canter 20 Fuso Canter 30 Fuso Canter 31 Fuso Canter 32 1988 Fuso Canter 33 Fuso Canter 35 Fuso Canter 3600 Fuso Canter 4D30 Fuso Canter 4D31T 1987 Fuso Canter 4DRS 1984...1988 L200 Light Bus HA Wheel Loader S4E - Nissan: Fork Lifts - ZEN: ZEN 1046 e 1047		

12812	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
MOTOR		
Mitsubishi: 232415 M2T55271 M2T56181 M2T56182 M2T56185 M2T56271 M2T56471 M2T57771 M2T62971 M2T65271 M2T74171 MD069166 MD070934 MD084414 MD164975 MD164976		
EQUIVALENTE / Equivalent		
Mitsubishi: MD607789 M605X65171		

13117	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
APLICAÇÃO / Application / Aplicación		
Case: Colheitadeira de Cana A7000 e A7700 - com motor Cummins - Cummins: Geradores Cummins C350 D6, C400 D6 com motor Cummins NTA855 - Freightliner: Cascadia com motor Cummins ISX Cascadia com motor Detroit S60 Century com motor CAT C15, Detroit S60 Coronado com motor Cummins ISX Severe Duty com motor Cummins ISX - International: Caminhões Paystar com motor Cummins Caminhões Prostar com motor Cummins Caminhões Transtar com motor Cummins - Mack: Caminhões Granite com motor Mack E7 Caminhões Mack com motor E-7 Caminhões Pinnacle com motor Mack E7 Caminhões TerraPro com motor Mack E7 - Remy: 39MT		
MOTOR		
Remy: 8200050 8200090 8200201 8200288 8200289 8200290 8200308 8200330 8200431 8200605 8200699 8200719 19011518 19011519 19011521 19011522 19011523 19011527 19011529		
EQUIVALENTE / Equivalent		
Remy: 10526458 - WAI: 791172		

13118	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
APLICAÇÃO / Application / Aplicación		
Case: Motoniveladora 865, 865.2, 885 e 885.2 - Fiat Allis: Motoniveladora - FG 170, FG 170.2, FG 200 e FG 200.2 Trator de Esteira FD170 - Freightliner: M2 106 com motor Cummins ISC - Mack: Caminhões Granite com motor Mack MP8 Caminhões Mack com motor Mack MP8 Caminhões Pinnacle com motor Mack MP8 Caminhões TerraPro com motor Mack MP8 - Navistar: Caminhões Durastar com motor MaxxForce Caminhões Paystar com motor MaxxForce Caminhões Prostar com motor MaxxForce Caminhões Transtar com motor MaxxForce - New Holland: Motoniveladora 170 e 200 - Remy: 39MT - Volvo: Caminhões VHD com motor 13L Caminhões VHD com motor D12 Caminhões VN com motor 13L Caminhões VN com motor D12		
MOTOR		
Remy: 8200081 8200085 8200087 8200101 8200291 8200417 8200433 8200435 8200446 8200469 8200572 8200606 19011524		
EQUIVALENTE / Equivalent		
Remy: 10526464 - WAI: 7911130		

13130	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
APLICAÇÃO / Application / Aplicación		
Case: Tratores Magnum MX220, MX240 e MX270 com motor Cummins 8,3L - Cummins: Motores C e ISC de 8,3 litros - Ford: Cargo 1622 1630, 2422, 2425, 2622, 2626, 2630, 2631, 3222, 4030 com motor Cummins 6CTAA 8,3 litros Cargo Eletrônico 2632, 2932, 4532 e 5032 - Remy: 38 MT Geração II - Volkswagen: Caminhões 17220, 17310, 23210, 23220, 23310, 24220, 26220, 26260, 26310 com motor Cummins 6CTAA 8,3 litros Caminhões 31370, 25370, 19370 com motor 9,3 litros internacional e 18310, 19320, 31320 Constellation com motor Cummins ISC 8,3 litros Ônibus 19320EOT - Quéops evolution com motor Cummins ISC 8,3 litros Titan Tractor com motor Cummins ISC 8,3 litros - Volvo: FH e NH 12 - ZEN: Utilizado no Impulsor ZEN 1809 Utilizado no Impulsor ZEN 1811		
MOTOR		
Remy: 8200005 8200025 8200053 8200072 8200081 8200085 8200087 8200101 8200182 8200291 8200356 8200417 8200469 8200486 8200572 19011511 19011512 19011513 19011524		
EQUIVALENTE / Equivalent		
Remy: 10512090 - WAI: 791170		

13131	PINHÃO PINION / PIÑON	FOTO / Photo pg. 141
APLICAÇÃO / Application / Aplicación		
Case: Colheitadeira de Cana A7000 e A7700 com motor Cummins - Remy: 39 MT Geração II - Terex: Empilhadeira GEP 23 - ZEN: Utilizado no Impulsor ZEN 1811		
MOTOR		
Remy: 8200032 8200034 8200039 8200040 8200041 8200050 8200090 8200201 8200288 8200289 8200290 19011507 19011509 19011518 19011519 19011521 19011522 19011523 19011527 19011529		
EQUIVALENTE / Equivalent		
Remy: 10511405 10511405M - WAI: 791177		

13138

PINHÃO
PINION / PIÑON

FOTO / Photo pg. 141

APLICAÇÃO / Application / Aplicación

Case IH: C9 8200242 38MT - 24V | Colheitadeira de cana A8000 e A8800 com Motor Case IH C9 - **ZEN:** Utilizado no Impulsor ZEN 1809

MOTOR

Remy: 8200077 | 8200078 | 8200242 | 19026027

EQUIVALENTE / Equivalent

Remy: 10512091

0121

EMBREAGEM DE FRICÇÃO

CLUTCH / EMBRAGUES DE FRICCION

FOTO / Photo pg. 142

APLICAÇÃO / Application / Aplicación

Caterpillar: Motoniveladora 12E ...01/1973 - **Fiat:** Caminhão FNM D11000 | Caminhão FNM D9500 - **General Motors/Chevrolet:** Caminhão com motor Perkins
Massey Ferguson: Trator MF3366 - **Perkins:** Estacionários | Industriais | Tratores - **Scania:** Ônibus B115 ...04/1975 | Ônibus BR110 ...04/1975 | Ônibus BR115S ...04/1975

EQUIVALENTE / Equivalent

Bosch: 9001085105 - **Cav29 Onan:** 5586123C

0122

EMBREAGEM DE FRICÇÃO

CLUTCH / EMBRAGUES DE FRICCION

FOTO / Photo pg. 142

APLICAÇÃO / Application / Aplicación

Asia Motors: Compressor AX430 - **Case:** Pá Carregadeira W36, W36B turbo com motor Cummins e Scania | Trator Agrícola 2470 e 4490 - **Caterpillar:** Grupo Gerador 3304T | Grupo Gerador 3306T | Moto Scraper 631E | Motoniveladora 120B | Motoniveladora 140B 3306 | Pá Carregadeira 960 | Pá Carregadeira 966 | Trator de Esteiras 631E | Trator de Esteiras D4D | Trator de Esteiras D4E | Trator de Esteiras D5B | Trator de Esteiras D6C | Trator de Esteiras D6D | Trator de Esteiras D6E | Trator de Esteiras D8L - **Cummins:** Chassi p/ ônibus RC210 | Chassi p/ ônibus UC210 | Motor 6C | Motor 250 Super | Motor 6CT | Motor 6CTA | Motor N855 | Motores N | Motores NT | Motores NTA | Motores NTA855 - **Fiat:** Caminhão 180 | Caminhão 190 | Caminhão 190T | Caminhão 210 - **Fiat Allis:** Trator de Esteiras AD14 com motor Scania - **Fiat Iveco:** Caminhão - **Komatsu:** Trator de Esteiras D60A com motor Cummins N855 | Trator de Esteiras D60E com motor Cummins N855 | Trator de Esteiras D60F com motor Cummins N855 | Trator de Esteiras D65A com motor Cummins N855 | Trator de Esteiras D65E com motor Cummins N855 - **Mafersa:** Trator M série M 210 com motor Cummins 6CTA 8.3 09/1991... | Trator M série M 240 com motor Cummins 6CTA 8.3 09/1991... - **Massey Ferguson:** Trator MF4780 com motor Scania DN11 - **Mercedes Benz:** Caminhão 1519 | Caminhão 1520 | Caminhão 1524 | Caminhão 1525 OM355-5A | Caminhão 1924 OM355-6 | Caminhão 1924A OM355-6A | Caminhão 1929 OM355-6A | Caminhão 1932 OM355-6LA | Caminhão 1933 | Caminhão 1934 OM355-6LA | Caminhão 2019 | Caminhão 2020 OM355-5 | Caminhão 2219 | Caminhão 2220 OM355-5 | Caminhão 2624 | Caminhão/Ônibus 1419 | Caminhão/Ônibus 1420 | Caminhão/Ônibus 1517 | Caminhão/Ônibus 1518 | Caminhão/Ônibus 1519 | Caminhão/Ônibus 1524 | Caminhão/Ônibus 1525 | Caminhão/Ônibus 1924 | Caminhão/Ônibus 1924A | Caminhão/Ônibus 1929 | Caminhão/Ônibus 1932 | Caminhão/Ônibus 1933 | Caminhão/Ônibus 1934 | Caminhão/Ônibus 2019 | Caminhão/Ônibus 2219 | Caminhão/Ônibus 2220 | Caminhão/Ônibus 2624A | Chassi p/ Ônibus 1420 | Chassi p/ Ônibus 1517 | Chassi p/ Ônibus 1518 | Chassi p/ Ônibus 0364 | Chassi p/ Ônibus 0370 | Chassi p/ Ônibus 0371 | Chassi p/ Ônibus 0371UP | Chassi p/ Ônibus OH1419 | Motor Estacionário, gerador, industrial e marítimo 0370 OM355-5, 6, 6A, 6LA | Motor Estacionário, gerador, industrial e marítimo 0371 OM355-5A, 6A, 6LA | Motor Estacionário, gerador, industrial e marítimo 0371UP OM355-5 | Motor Estacionário, gerador, industrial e marítimo OM314 | Motor Estacionário, gerador, industrial e marítimo OM352 | Motor Estacionário, gerador, industrial e marítimo OM352A | Ônibus 0355 | Ônibus 0364 | Ônibus 0365 | Ônibus 0370 | Ônibus 0371 | Ônibus 0371UP - **MWM:** Motores D e TD 232 6V, 8V, 12V - **Scania:** Caminhão 145 | Caminhão BR145 | Caminhão CR145L | Caminhão CR145T | Caminhão CR145X | Caminhão DS114 | Caminhão L D11 | Caminhão L DS11 | Caminhão LK 140 DS14 | Caminhão LK 141 DS14 | Caminhão LK 142 DS14 | Caminhão LKS 140 DS14 | Caminhão LKS 141 DS14 | Caminhão LKS 142 DS14 | Caminhão LS D11 | Caminhão LS DS11 | Caminhão LT 110 D11 | Caminhão LT 110S DS11 | Caminhão R 112-310 HW, EW DS11 | Caminhão R 112 DN11, DS11, DSC11 | Caminhão R 112-360 HW, EW DSC11 | Caminhão R 142 DS14, DSC14 | Caminhão R 142-210 HW, EW DSC14 | Caminhão T 112-310 HW, EW DS11 | Caminhão T 112 DN11, DS11, DSC11 | Caminhão T 112-360 HW, EW DSC11 | Caminhão T 142 DS14, DSC14 | Caminhão T 142-210 HW, EW DSC14 | Chassi p/ ônibus K112 | Chassi p/ ônibus S112 | Motor DN11 industrial, gerador e marítimo | Motor DS11 industrial, gerador e marítimo | Motor DS14 industrial, gerador e marítimo | Motor p/ gerador e industrial DN11 | Ônibus BR115 05/1975... | Ônibus BR115S 05/1975... | Ônibus BR116 05/1975... | Ônibus BR116S 05/1975... | Plataforma p/ ônibus S112 DN11, DS11 - **Volkswagen:** Caminhão VW14.170 | Caminhão VW14.210 | Caminhão VW16.170 | Caminhão VW16.210 - **Volvo:** Caminhão N10 | Caminhão N12 | Caminhão NL10 210 | Caminhão NL10 340 | Caminhão NL12 400 | Chassi p/ ônibus B10M | Chassi p/ ônibus B58E

MOTOR

Bosch: 0001410021 | 0001410041 | 0001410063 | 0001410089 | 9000084007 | 9000084008 | 9000084009 | 9000084010 | 9000084011 | 9000084012 | 9000084013 | 9000084014 | 9000084015 | 9000084017 | 9000084018 | 9000084019 | 9000084020 | 9000084021

EQUIVALENTE / Equivalent

Bosch: 2007010037

0201

EMBREAGEM DE FRICÇÃO

CLUTCH / EMBRAGUES DE FRICCION

FOTO / Photo pg. 142

APLICAÇÃO / Application / Aplicación

Caterpillar: Motoniveladora 12E ...01/1973 - **Fiat:** Caminhão FNM D11000 | Caminhão FNM D9500 - **General Motors/Chevrolet:** Caminhão com motor Perkins

EQUIVALENTE / Equivalent

Bosch: 2006401900 | 2009999036 | 9001085105

12675

PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 143

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

12682

PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 143

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

13544

PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 143

APLICAÇÃO / Application / Aplicación

Agrale: Caminhão 13000 Com Motor MWM 6.10 TCA | Caminhões 10.000, 14.000 e 14.000 6X2 Com Motor MWM MaxxForce 4.8H. EURO V 01/2012... | Caminhões 6000, 8500 e 9200 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Chassis MA 7.9, MA8.5, MA9.2, MA10.0, MA12.0, MA15.0 e MT12.0 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Furgovan 8000 Com Motor MWM 4.10 TCA | Ônibus MA12.0, MA15.0, MT15.0 LE, MA10.0 e MA9.2 Com Motor MWM MaxxForce 4.8HEURO V 01/2012... | Ônibus Volare W8, W9 e V8 Com Motores MWM 4.10 TCA ...2008 | Ônibus W8, W9 e V8 Com Motores MWM 4.12 TCE 2008... - **BMW:** Motor MWM 4.10TCA Agrale Caminhão 8500D | Motor MWM 4.12TCE Agrale MA 12 185CV | Motor MWM 4.12TCE ITEC MIDI BUS (América Latina) | Pulverizadora Montana Parruda 2627M e 2627H Com Motor MWM 4.10L TCA 07/2012... - **Case:** Motoniveladora 845, 845.2, FG 140.2 | Motoniveladora RG140B e 845 com transmissão ZF | Pá Carregadeira W20, 521D, 621D, W130
Fiat Allis: Pá Carregadeira FR128 - Substitui 10479654 | Trator de Esteira 7D - Substitui 10479654 - **Ford:** Caminhões C1722e (4x2), C2422e(6x2), C2622e (6x4), C2428e (6x2), C2628e (6x4) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 | Caminhões C815e (4x2), C1317e (4x2), C1517e (4x2), C1717e (4x2) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 - **Freightliner:** Caminhões M2 Com Motor MB906/904 - **Mercedes Benz:** Axor 1419, 1719, 1726, 1726 4x4, 1729S, 2426 6x2 e 2429 6x2 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA - Euro V 01/2012... | Axor 1933, 2533, 2826, 2828, 2831 Com Motores eletrônicos OM906 e OM 926 | Caminhões 710, 712E, 1418R, 1720, 1720K, L1620 - Chassi de Ônibus LO 712, LO 812 Com Motores mecânicos 12V OM 364 e OM 366) - 29MT | Caminhões 712C, 715, 714C, 915C, 1215, 1218EL, 1218L, 1418 EL, 1418L, 1718, 1725 | Caminhões Família Accelo: 815 e 1016 Com Motor eletrônico 24V OM 924 LA - Euro V 01/2012... | Caminhões Família Atron: 1319, 2324, 2729K (Basculante), 2729B (Betoneira) e 2729 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA -Euro V 01/2012... | Chassi de ônibus LO 914, 0500M, 0500U, 0500R, OF 1417, OF1418, OF 1518, OF 1721, Com Motores eletrônicos 24V OM 904, OM 906, OM 924 eOM 926 | Família Atego (1315, 1418, 1518, 1718, 1725, 2425), L1318, 2423B, 2423K, L1620 | Fora de Estrada Família Axor: 2831K (Basculante), 2831B (Betoneira) e 2831P Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... | Ônibus Boxer e Torino Com Motor OM904/906 12V | Ônibus Rodoviário O500M 1826 BUGGY e O500R 1830 Com Motor eletrônico OM926 LA - Euro V 01/2012... | Ônibus Urbano OF1519, OF1721, OF1724, O500M 1826, O500U 1826 Com Motores eletrônicos 24V OM 924 LA eOM 926 LA - Euro V 01/2012... | Rodoviário Família Axor 1933 e 2533 Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... - **Navistar:** Ônibus 4700 Com Motor MWM 4.8L euro II y III - **New Holland:** Motoniveladora 140 | Pá Carregadeira 12C | Trator de Esteira 7D - **Remy:** Série 29 MT Geração III - **Volkswagen:** Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil ...09/2009 | Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil 10/2009... | Caminhões 8-150 Eletr Delivery Puls, 9-150E, 10-150E, 13-180E, 15-190E 06/2009... | Caminhões 9-150 Eletr Delivery Com Motor Cummins 01/2010... | Caminhões constellation 13-180, 15-180, 17-260, 26-260E, 31-260E Motor MWM Eletrônico 4 e 6 Cilindros | Caminhões Worker 8-120 EuroII e III. 13-180 Euro II e III, 15-180 Euro III.17-18 Motor MWM 4 e 6 cilindros | Delivery 5.150, 8.160 e 9.160 3.8L Com Motor Cummins ISF (Euro V) 01/2012... | Ônibus 17-230EOD/V-tronic e 17-260EOD/ V-tronic Motor MWM Eletrônico 4 e 6 Cilindros com Transmissão ZF | Ônibus 8-150 ODC / FEB, 9-150 ODC Com Motor Cummins ISB 4 e 6 cil | Ônibus 8.120 OD Euro II e III Motor MWM 4 cilindros - **Volvo:** VM 210, 260, 310 Com Motores MWM 4.12TCE e 6.12TCE ...12/2011 - **ZEN:** Utilizado no Impulsor 1679

MOTOR

Remy: 8200003 | 8200004 | 8200014 | 8200054 | 8200064 | 8200065 | 8200103 | 8200138 | 8200196 | 8200231 | 8200292 | 8200295 | 8200296 | 8200297 | 8200326 | 8200331 | 8200357 | 8200386 | 8200387 | 8200400 | 8200474 | 8200478 | 8200495 | 8200511 | 8200512 | 8200564 | 8200816 | 8200826 | 8200848 | 8200853 | 8200854 | 8200875 | 8200882 | 8200884 | 8200885 | 8200886 | 8200887 | 8200889 | 8200890 | 19011400 | 19011402 | 19011403 | 19011407

EQUIVALENTE / Equivalent

Remy: 10515810 | 10515811 - **Unifap:** UF14812

13545

PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 143

APLICAÇÃO / Application / Aplicación

Agrale: Caminhão 13000 Com Motor MWM 6.10 TCA | Caminhões 10.000, 14.000 e 14.000 6X2 Com Motor MWM MaxxForce 4.8H. EURO V 01/2012... | Caminhões 6000, 8500 e 9200 Com Motores MWM 4.10 TCA e MWM 4.12 TCE | Chassis MA 7.9, MA8.5, MA9.2, MA10.0, MA12.0, MA15.0 e MT12.0 Com Motores MWM4.10 TCA e MWM 4.12 TCE | Furgovan 8000 Com Motor MWM 4.10 TCA | Ônibus MA12.0, MA15.0, MT15.0 LE, MA10.0 e MA9.2 Com Motor MWM MaxxForce 4.8HEURO V 01/2012... | Ônibus Volare W8, W9 e V8 Com Motores MWM 4.10 TCA ...2008 | Ônibus W8, W9 e V8 Com Motores MWM 4.12 TCE 2008... - **BMW:** Motor MWM 4.10TCA Agrale Caminhão 8500D | Motor MWM 4.12TCE Agrale MA 12 185CV | Motor MWM 4.12TCE ITEC MIDI BUS (América Latina) | Pulverizadora Montana Parruda 2627M e 2627H Com Motor MWM 4.10L TCA 07/2012... - **Case:** Motoniveladora 845, 845.2, FG 140.2 | Motoniveladora RG140B e 845 com transmissão ZF | Pá Carregadeira W20, 521D, 621D, W130

Fiat Allis: Pá Carregadeira FR128 - Substitui 10479654 | Trator de Esteira 7D - Substitui 10479654 - **Ford:** Caminhões C1722e (4x2), C2422e(6x2), C2622e (6x4), C2428e (6x2), C2628e (6x4) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 | Caminhões C815e (4x2), C1317e (4x2), C1517e (4x2), C1717e (4x2) Com Motor Cummins Eletrônico ISB (4 e 6 Cilindros) ...03/2011 - **Freightliner:** Caminhões M2 Com Motor MB906/904 - **Mercedes Benz:** Axor 1419, 1719, 1726, 1726 4x4, 1729S, 2426 6x2 e 2429 6x2 Com Motores eletrônicos24V OM 924 LA e OM 926 LA - Euro V 01/2012... | Axor 1933, 2533, 2826, 2828, 2831 Com Motores eletrônicos OM906 e OM 926 | Caminhões 710, 712E, 1418R, 1720, 1720K, L1620 - Chassi de Ônibus LO 712, LO 812 Com Motores mecânicos 12V OM 364 e OM 366) - 29MT | Caminhões 712C, 715, 714C, 915C, 1215, 1218EL, 1218L, 1418 EL, 1418L, 1718, 1725 | Caminhões Família Accelo: 815 e 1016 Com Motor eletrônico 24V OM 924 LA - Euro V 01/2012... | Caminhões Família Atron: 1319, 2324, 2729K (Basculante), 2729B (Betoneira) e2729 Com Motores eletrônicos 24V OM 924 LA e OM 926 LA -Euro V 01/2012... | Chassi de ônibus LO 914, 0500M, 0500U, 0500R, OF 1417, OF1418, OF 1518, OF 1721, Com Motores eletrônicos 24V OM 904, OM 906, OM 924 eOM 926 | Família Atego (1315, 1418, 1518, 1718, 1725, 2425), L1318, 2423B,2423K, L1620 | Fora de Estrada Família Axor: 2831K (Basculante), 2831B (Betoneira) e 2831P Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... | Ônibus Boxer e Torino Com Motor OM904/906 12V | Ônibus Rodoviário O500M 1826 BUGGY e O500R 1830 Com Motor eletrônico OM926 LA - Euro V 01/2012... | Ônibus Urbano OF1519,OF1721, OF1724, O500M 1826, O500U 1826 Com Motores eletrônicos 24V OM 924 LA eOM 926 LA - Euro V 01/2012... | Rodoviário Família Axor 1933 e 2533 Com Motor eletrônico 24V OM 926 LA - Euro V 01/2012... - **Navistar:** Ônibus 4700 Com Motor MWM 4.8L euro II y III - **New Holland:** Motoniveladora 140 | Pá Carregadeira 12C | Trator de Esteira 7D - **Remy:** Série 29 MT Geração II - **Volkswagen:** Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil ...09/2009 | Caminhões 17-250E, 24-250E Com Motor Cummins ISB 4 e 6 cil 10/2009... | Caminhões 8-150 Eletr Delivery Puls, 9-150E, 10-150E, 13-180E, 15-190E 06/2009... | Caminhões 9-150 Eletr Delivery Com Motor Cummins 01/2010... | Caminhões constellation 13-180, 15-180, 17-260, 26-260E, 31-260E Motor MWM Eletrônico 4 e 6 Cilindros | Caminhões Worker 8-120 EuroII e III. 13-180 Euro II e III, 15-180 Euro III.17-18 Motor MWM 4 e 6 cilindros | Delivery 5.150, 8.160 e 9.160 3.8L Com Motor Cummins ISF (Euro V) 01/2012... | Ônibus 17-230EOD/V-tronic e 17-260EOD/V-tronic Motor MWM Eletrônico 4 e 6 Cilindros com Transmissão ZF | Ônibus 8-150 ODC / FEB, 9-150 ODC Com Motor Cummins ISB 4 e 6 cil | Ônibus 8.120 OD Euro II e III Motor MWM 4 cilindros - **Volvo:** VM 210, 260, 310 Com Motores MWM 4.12TCE e 6.12TCE ...12/2011 - **ZEN:** Utiliza Pinhão ZEN 12954 | Utiliza Pinhão ZEN 12955 | Utiliza Pinhão ZEN 12956 | Utiliza Pinhão ZEN 12957 | Utiliza Pinhão ZEN 12961

MOTOR

Remy: 8200003 | 8200004 | 8200014 | 8200054 | 8200064 | 8200065 | 8200103 | 8200138 | 8200196 | 8200231 | 8200292 | 8200295 | 8200296 | 8200297 | 8200326 | 8200331 | 8200357 | 8200386 | 8200387 | 8200400 | 8200474 | 8200478 | 8200495 | 8200511 | 8200512 | 8200564 | 8200816 | 8200826 | 8200848 | 8200853 | 8200854 | 8200875 | 8200882 | 8200884 | 8200885 | 8200886 | 8200887 | 8200889 | 8200890 | 19011400 | 19011402 | 19011403 | 19011407

EQUIVALENTE / Equivalent

Remy: 10515810 | 10515811 - **Unifap:** UF14811

13584

PLANETÁRIA

PLANETARY GEAR / ENGRANAJE PLANETARIO (REDUCTORES)

FOTO / Photo pg. 143

APLICAÇÃO / Application / Aplicación

Agrale: Caminhão 7500 Motor MWM | Caminhão 8000 Motor MWM | Caminhão 8500 Motor MWM | Caminhão 9200 Motor MWM | Trator 5075 Motor MWM | Trator 50754 Motor MWM | Trator 5077 Motor MWM | Trator 5085 Motor MWM | Trator 50854 Motor MWM - **Cummins:** Motores - **Deutz Agco:** Trator - **Dodge:** D1000 - **Ford:** B7000 C/ Motores Cummins 4bt. | Cargo 1416 C/ Motores Cummins 4bt. | Cargo 1716 C/ Motores Cummins 4bt. | F100 | F1000 C/ Motores Cummins 4bt. | F12000 C/ Motores Cummins 4bt. | F14000 C/ Motores Cummins 4bt. | F150 C/ Motores Cummins 4bt. | F16000 C/ Motores Cummins 4bt. | F250 C/ Motores Cummins 4bt. | F350 C/ Motores Cummins 4bt. | F7000 C/ Motores Cummins 4bt. - **General Motors/Chevrolet:** Blazer Motor Cummins 59 - **John Deere:** Colheitadeira 1165 | Colheitadeira 1175 | Colheitadeira 1450 | Trator 7500 - **Massey Ferguson:** Trator Motor Perkins | Trator MF250X - **Maxion:** Motor S4 - **MWM:** 4 e 6 Cilindros - **New Holland:** Trator TL65E | Trator TL75E | Trator TL85E | Trator TL95E - **Perkins:** D-28MT - **Volkswagen:** B16210 | B17210 OD | B17240 OT | B8150 OD | B9150 - **ZEN:** Kit Reparo 13585

MOTOR

Ford: 2C3511001BA | 2C4511001BA | 4C4511001BA | F7HT11001AC | XC3U11000CA - **John Deere:** AJ60123 | RE509658 - **MWM:** 905720100093 - **Prestolite:** 35258620 | 35259300 | 35259330 | 35259390 | 35259430 | 35259580 | 35259590 | 35259600 | 35259620 | 35259630 | 35259650 | 35259660 | 35259670 | 35259690 | 35259750 | 35259760 | 35259880 | 35259900 | 35260940 | 35260950 | 35261070 | 35261120 | 35261155 | 35261190 | 35261355 | 35261360 | 35261420 | 35261425 | 35261760 | 35262580 - **Volkswagen:** 2R0911023A | TJG911023B

EQUIVALENTE / Equivalent

Prestolite: KJD20 | KJD21 | K01222 | K01261 | K01349 | K01469 | K21148 | 35259465 - **Unifap:** 12422

13585

REPARO PLANETÁRIA

PLANETARY GEAR REPAIR / ENGRANAJE PARA REPARACION REDUCTORES

FOTO / Photo pg. 143

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

13585**REPARO PLANETÁRIA**

PLANETARY GEAR REPAIR / ENGRANAJE PARA REPARACION REDUCTORES

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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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STARTER DRIVES | CLUTCH PULLEYS (OAP) | DECOUPLER PULLEYS Z-VIB | RIGID PULLEYS | TENSIONERS | DISTRIBUTION KITS | ALTERNATORS | STARTER MOTORS | BEARINGS | HOUSINGS | PLANETARY GEARS

IMPULSORES DE ARRANQUE | POLEAS RUEDA-LIBRE | POLEAS RUEDA-LIBRE CON AMORTIGUAMIENTO Z-VIB | POLEAS FIJAS DEL ALTERNADOR | TENSORES | KITS DE DISTRIBUCIÓN | ALTERNADORES | MOTORES DE ARRANQUE | RODAMIENTOS | TAPAS | PLANETÁRIOS

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