

CATÁLOGO - MAIO/2014
CATALOG - MAY/2014



MOTORES DE PARTIDA, ALTERNADORES E COMPONENTES

*STARTER MOTORS, ALTERNATORS AND
SPARE PARTS*





Em complemento à linha elétrica automotiva, a ZM oferece uma linha de Motores de Partida e Alternadores completos.

Com o real crescimento das vendas e uma projeção bastante promissora, o mix de produtos vem aumentando continuamente. Os Motores de Partida e Alternadores ZM advêm de um processo de produção moderno e otimizado, que lhes confere, por um lado, o aval de uma marca consagrada no mercado e, por outro, a capacidade de entrar no cenário comercial com preços competitivos e com garantia de qualidade absoluta.

Com uma unidade produtiva de 3.300m² exclusiva a esta linha, a ZM atende ao mercado original e de reposição com os mais rígidos padrões de qualidade e tecnologia.

In addition to the automotive electrical line, ZM offers a complete line of Starter Motors and Alternators.

With the real growth in sales and a promising projection, the product mix has been increasing steadily. The ZM Starter Motors and Alternators comes from a process of modern and optimized production process, which gives them, on one hand, the endorsement of a consecrate brand and secondly the ability to introduce in the market with competitive prices and with absolute quality assurance.

With a production unit of over 3,300 square meters exclusive to the line, ZM serves the OEM and aftermarket with the strictest standards of quality and technology.



A completa linha de produtos ZM está disponível em nosso catálogo on-line.

The complete ZM products line is available on the on line catalog.

La línea completa de los productos ZM está disponible en el catálogo on line.

www.zm.com.br



Expedição Shipment Sector

Com um sistema logístico eficaz, o setor de Expedição proporciona total cobertura de atendimento e, com os seus clientes, firma o compromisso de alta confiabilidade nos processos e a rápida entrega dos pedidos.

With an efficient logistics system, the Shipment Sector provides full coverage and, with its clients, firm a committed high reliability processes and speedy delivery.



Qualidade Quality

O sucesso da ZM está ancorado na eficácia dos processos e no comprometimento das diversas áreas. Com a conquista de certificações internacionais de qualidade, como a ISO 9001, apresenta-se como um parceiro comercial estável, altamente confiável e competitivo.

The success of ZM products is anchored in the effectiveness of processes and commitment to divers areas. The achievement of international quality certificates, such as ISO 9001, presents itself as a stable business partner, highly reliable and competitive.

Estoque de Componentes Components Stock

A utilização do método FIFO, do inglês first in first out – primeiro que entra é o primeiro que sai, garante o giro adequados dos produtos em estoque.

Using the FIFO method, first entering is the first out, ensures adequate turnover of products in stock.



Leve a **ZM** para
onde você estiver!

Aplicativo ZM para
dispositivos móveis*



*Disponível na Google Play e Apple Store



MOTORES DE PARTIDA / *STARTER MOTORS*

Referência - BOSCH / <i>BOSCH - Reference</i>	A
Referência - DELCO REMY / <i>DELCO REMY - Reference</i>	B
Referência - MITSUBISHI / <i>ITSUBISHI - Reference</i>	C
Referência - DENSO / <i>DENSO - Reference</i>	D
Referência - PRESTOLITE / <i>PRESTOLITE - Reference</i>	E
Referência - VALEO / <i>VALEO - Reference</i>	F
PEÇAS - ESPECIAIS / <i>SPECIAL - PARTS</i>	G
EQUIVALÊNCIA - MOTOR DE PARTIDA ORIGINAL PARA MOTORES DE PARTIDA ZM / <i>CROSS REFERENCE - OEM STARTER TO ZM STARTER</i>	H
TABELA DE APLICAÇÃO / <i>APPLICATION CHART</i>	I
TABELA DE APLICAÇÃO - COMPONENTES INTERCAMBIÁVEIS / <i>APPLICATION CHART - INTERCHANGEABLE PARTS</i>	J

COMPONENTES - MOTORES DE PARTIDA / *SPARE PARTS- STARTER MOTORS*

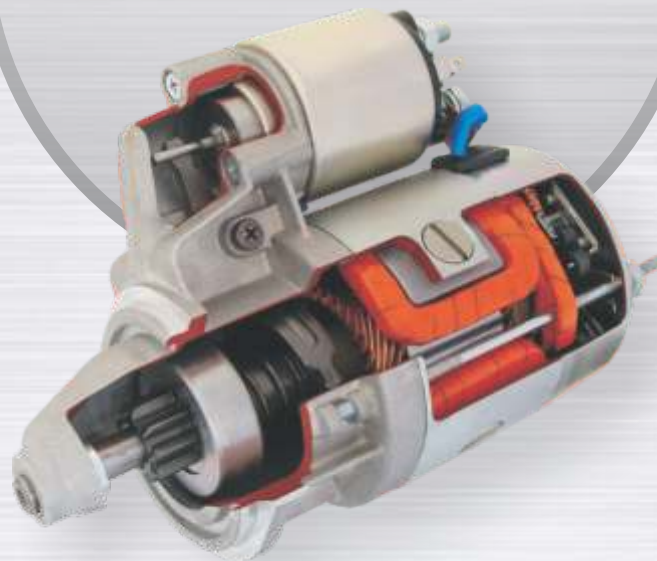
Referência - BOSCH / <i>BOSCH - Reference</i>	K
Referência - DELCO REMY / <i>DELCO REMY - Reference</i>	L
Referência - MITSUBISHI / <i>ITSUBISHI - Reference</i>	M
Referência - DENSO / <i>DENSO - Reference</i>	N
Referência - PRESTOLITE / <i>PRESTOLITE - Reference</i>	O
Referência - VALEO / <i>VALEO - Reference</i>	P
Referência - WAPSA / <i>WAPSA - Reference</i>	Q
EQUIVALÊNCIA - COMPONENTE ORIGINAL PARA COMPONENTE ZM / <i>CROSS REFERENCE - OEM SPARE PARTS TO ZM SPARE PARTS</i>	R
EQUIVALÊNCIA - MOTOR DE PARTIDA ORIGINAL PARA MOTORES DE PARTIDA ZM / <i>CROSS REFERENCE - OEM STARTER TO ZM STARTER</i>	S

ALTERNADORES / *ALTERNATORS*

Referência - BOSCH / <i>BOSCH - Reference</i>	A
Referência - MITSUBISHI / <i>ITSUBISHI - Reference</i>	B
Referência - DENSO / <i>DENSO - Reference</i>	C
Referência - POONGSUNG / <i>POONGSUNG - Reference</i>	D
Referência - VALEO / <i>VALEO - Reference</i>	E
PEÇAS - ESPECIAIS / <i>SPECIAL - PARTS</i>	F
EQUIVALÊNCIA - ALTERNADOR ORIGINAL PARA ALTERNADOR ZM / <i>CROSS REFERENCE - OEM ALTERNATOR TO ZM ALTERNATOR</i>	G
TABELA DE APLICAÇÃO / <i>APPLICATION CHART</i>	H

COMPONENTES - ALTERNADORES / *SPARE PARTS - ALTERNATORS*

Referência - BOSCH / <i>BOSCH - Reference</i>	I
EQUIVALÊNCIA - ALTERNADOR ORIGINAL PARA ALTERNADOR ZM / <i>CROSS REFERENCE - OEM ALTERNATOR TO ZM ALTERNATOR</i>	J
EQUIVALÊNCIA - ALTERNADOR ORIGINAL PARA ALTERNADOR ZM / <i>CROSS REFERENCE - OEM ALTERNATOR TO ZM ALTERNATOR</i>	K



MOTORES DE PARTIDA

STARTER MOTORS



BARRA DE INFORMAÇÃO

INFORMATION BAR / BARRA DE INFORMACIÓN

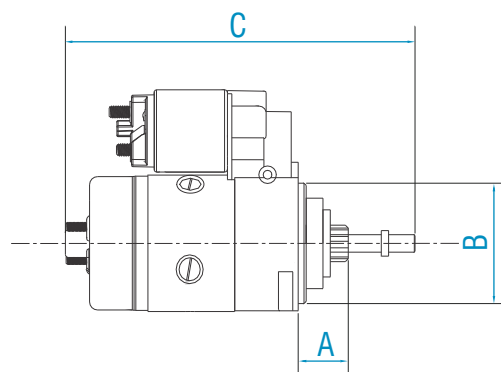
ZM 80.106.01	12V	(L)	0,80kW	EF
ZM 80.106.01	12V	(L)	0,80kW	EF
Código ZM ZM code / Código ZM	Voltagem Voltage / Voltaje	Rotação Rotation / Rotación	Potência Power / Potencia	Modelo Model / Modelo

(L)Esquerda / Left / Izquierda

(R)Direita / Right / Derecha

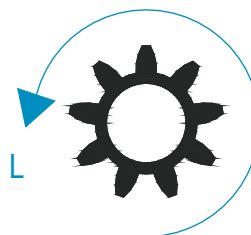
PRINCIPAIS DIMENSÕES DO MOTOR DE PARTIDA

STARTER MAIN DIMENSIONS /
PRINCIPALES DIMENSIONES DEL ARRANQUE



CARACTERÍSTICAS DO IMPULSOR

STARTER DRIVE DATA /
CARACTERÍSTICAS DEL IMPULSOR



ROTAÇÃO: **L** (esquerda) or **R** (direita)

T: Número de Dentes

O.D.: Diâmetro Externo do Pinhão

ROTATION: **L** (left) or **R** (right)

T: Number of Teeth

O.D.: Pinion Outside Diameter

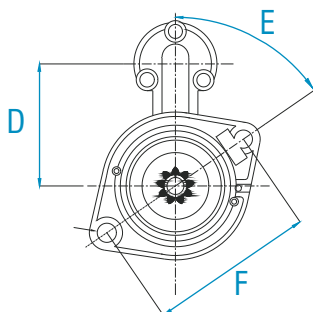
ROTACIÓN: **L** (izquierda) o **R** (derecha)

T: Número de Dientes

O.D.: Diámetro Externo del Piñon

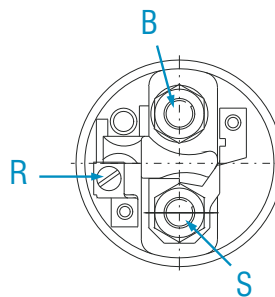
PRINCIPAIS DIMENSÕES DO MANCAL DE ACION.

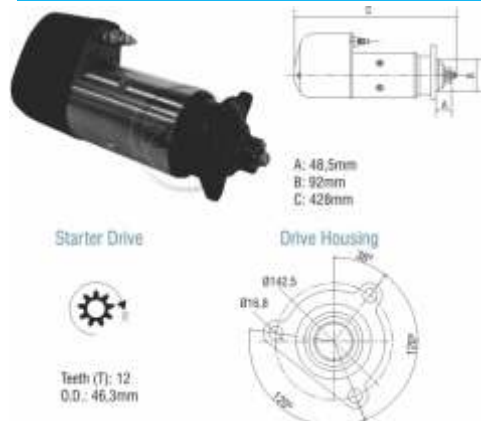
DRIVE HOUSING MAIN DIMENSIONS /
PRINCIPALES DIMENSIONES DEL CUBREIMPULSOR



CARACTERÍSTICAS DA TAMPA DO RELÉ DE PARTIDA

STARTER RELAY CAP DATA /
CARACTERÍSTICAS DE LA TAPA DEL RELÉ DE ARRANQUE





ZM 80.101.01

24v

24V (R) 5,5kW

KB

APLICAÇÃO / USED ON:

CATERPILLAR: 100 Series, 900 Series, D Series.

SUBSTITUI / REPLACE:

BOSCH: 9.000.084.007. CATERPILLAR: 2Y1920.

ZM 901 - Relé de Contato / *Contact Relay*

ZM 902 - Relé de Engrenamento / *Engagement Relay*



ZM 80.101.02

24v

24V (R) 5,5kW

KB

APLICAÇÃO / USED ON:

CASE: W Series. FIATALLIS: AD Series. MASSEY FERGUSON: MF 4000 Series. SCANIA: 112 Series, 113 Series.

SUBSTITUI / REPLACE:

BOSCH: 9.000.084.012. CASE: E067184. PIC: 120-6087D, 902-450. SCANIA: 64254.

ZM 901 - Relé de Contato / *Contact Relay*

ZM 902 - Relé de Engrenamento / *Engagement Relay*



ZM 80.101.03

24v

24V (R) 5,5kW

KB

APLICAÇÃO / USED ON:

VOLVO: B12, N10, N12, NL10, NL12.

SUBSTITUI / REPLACE:

BOSCH: 9.000.084.019. PIC: 902-457. VOLVO: 467919, 6886461.

ZM 901 - Relé de Contato / *Contact Relay*

ZM 902 - Relé de Engrenamento / *Engagement Relay*



ZM 80.101.04

24v

24V (R) 5,5kW

KB

APLICAÇÃO / USED ON:

MERCEDES-BENZ: L 1319, L 1418, L 1519, LK 2219, LS 1929, LS 1932, LS 1933, LS 1934, O 355, O 364, O 365, OH 1419, OH 1517, OH 1520.

SUBSTITUI / REPLACE:

BOSCH: 0.001.410.015, 0.001.410.016, 0.001.410.041, 0.001.417.017, 0.001.417.036, 0.986.011.440. KHD: 0144 44 07 25, 116 2639, 336 0745, D8R 24X6 H7623. KÄSSBOHRER: 7 431 023 000. MERCEDES-BENZ: 0 011 513 901, 0 031 516 601.

ZM 901 - Relé de Contato / *Contact Relay*

ZM 902 - Relé de Engrenamento / *Engagement Relay*



ZM 80.101.05

24v

24V (R) 5,5kW KB

APLICAÇÃO / USED ON:

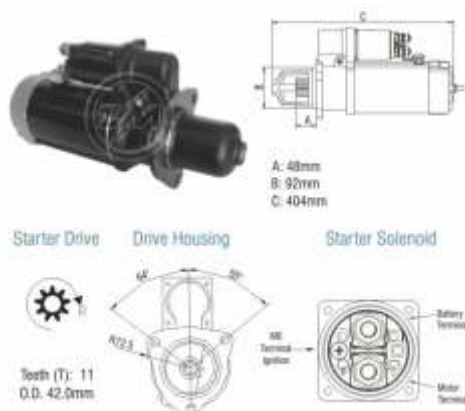
SCANIA: 112 Series, 113 Series, Série DN, Série DS, Série DSC, Série DSI.

SUBSTITUI / REPLACE:

BOSCH: 9.000.084.013. SCANIA: 64513.

ZM 904 - Relé de Contato / *Contact Relay*

ZM 903 - Relé de Engrenamento / *Engagement Relay*



ZM 80.135.01

24v

24V (R) 6,7kW JE

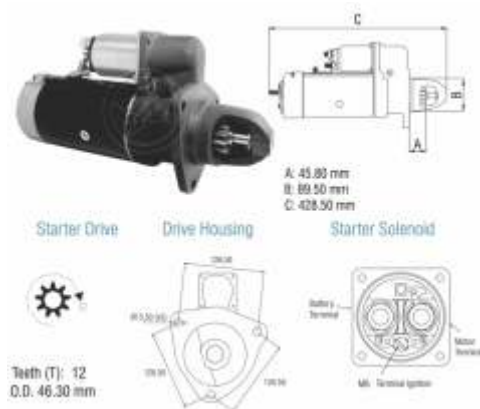
APLICAÇÃO / USED ON:

SCANIA: 124 Serie, 360 Serie, 400 Serie, 420 Serie.

SUBSTITUI / REPLACE:

BOSCH: 0.001.371.006. SCANIA: 1357709.

ZM 833 - Relé de Partida / *Starter Relay*



ZM 80.135.02

24v

24V (R) 6,7kW JE

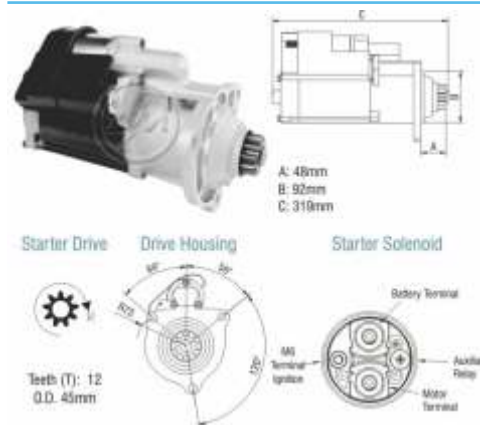
APLICAÇÃO / USED ON:

MERCEDES-BENZ: L 2635, LS 1625, LS 1630, LS 1935, LS 1941, O 400R, O 400RS, O 400RSD, O 400RSL, O 400UP, O 400UPA.

SUBSTITUI / REPLACE:

BOSCH: 9.000.453.068.

ZM 833 - Relé de Partida / *Starter Relay*



ZM 80.137.01

24v

24V (R) 5,5kW HEF

APLICAÇÃO / USED ON:

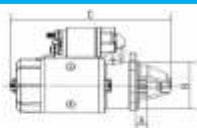
SCANIA: Chassis urbanos Série K, Série P, Série R, Série T.

SUBSTITUI / REPLACE:

BOSCH: 0.001.241.001, 0.001.261.002, 0.986.021.480. SCANIA: 1447911.

ZM 3-639 - Relé de Partida / *Starter Relay*

ZM 291 - Relé Auxiliar / *Auxiliary Relay*



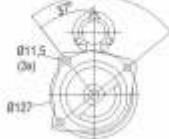
A: 48mm
B: 89mm
C: 337mm

Starter Drive

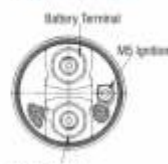


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.102.01

12v

12V (R) 3,0kW JF

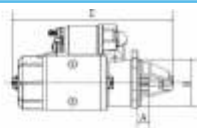
APLICAÇÃO / USED ON:

AGRALE-DEUTZ: BX 4.60, BX 60. CASE: W 18, W 20, W 20B. CBT: 1065, 1105, 2080, 2105, 8060 4x4. MERCEDES-BENZ: L 1013, L 1111, L 1113, L 1313, L 1316, L 2013, L 2016, L 2213, L 2215, L 2216, L 608 D, L 610, O 362. SLC: 6200, 7200, 7700.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.014, 9.000.083.027, 9.000.083.029, 9.000.083.053. MERCEDES-BENZ: 3 431 517 001.

ZM 631 - Relé de Partida / Starter Relay



A: 48mm
B: 89mm
C: 337mm

Starter Drive

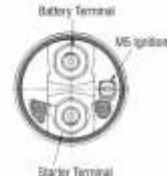


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.102.02

12v

12V (R) 3,0kW JF

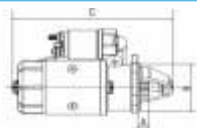
APLICAÇÃO / USED ON:

MERCEDES-BENZ: 709, 710, 712, 914, L 1013, L 1111, L 1113, L 1114, L 1116, L 1117, L 1118, L 608 D, L 708 E, LA 1113, LA 1117, LO 809, LO 814, LPO 1113. NEW HOLLAND: Tractor. TOYOTA: Bandeirante.

SUBSTITUI / REPLACE:

BOSCH: 0.001.358.048, 0.001.359.043, 0.001.359.084, 0.001.362.051, 0.001.367.054, 0.001.367.059, 0.001.367.300, 0.001.367.301, 0.001.367.303, 0.986.011.240, 0.986.013.480, 9.000.083.028, 9.000.083.054, SR923X. CLAAS: 1053560, 6853810. FAUN: 1701054. LESTER: 17106. MERCEDES-BENZ: 0 011 519 401, 0 021 519 401, 0 031 510 501, 0 031 517 301, 0 031 518 701, 0 041 512 201, 3 431 517 101, A 0 011 519 401, A 0 021 519 401, A 0 031 510 501, A 0 031 517 301, A 0 031 518 701, A 0 041 512 201, A 0 041 515 801. PIC: 120-514, 120-518, 120-518B, 120-518C, 120-524, 182-162, 980-006.

ZM 631 - Relé de Partida / Starter Relay



A: 29mm
B: 98mm
C: 337mm

Starter Drive

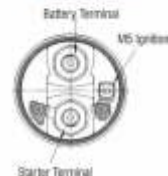


Teeth (T): 10
O.D.: 40mm

Drive Housing



Starter Solenoid



ZM 80.102.03

12v

12V (R) 3,0kW JF

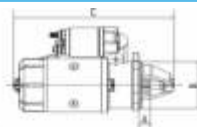
APLICAÇÃO / USED ON:

CBT: 8000 Series. GM-CHEVROLET: D series. MASSEY FERGUSON: MF 1000, MF 3000, MF 5000, MF 6000 Series. MAXION: Ideal 9075, Ideal 9090. MERCEDES-BENZ: 9t Series, OF, OH.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.035, 9.000.083.055. GM: 93209031. MAXION: 2834390M91, 74156.

ZM 631 - Relé de Partida / Starter Relay



A: 26mm
B: 98,5mm
C: 337mm

Starter Drive

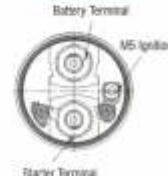


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.102.04

12v

12V (R) 3,0kW JF

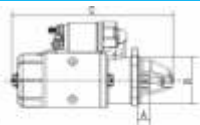
APLICAÇÃO / USED ON:

AGRALE: 5000, 6000, 7000, BX. CASE: 80. CBT: 8000 Series. FIATALLIS: FB Series. MWM: Diesel D, SLC 7000 Series, TD Series. VALMET: 110 ID, 118, 128, 138, 148, 62 ID, 65 ID, 78, 88, 880, 980.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.036, 9.000.083.056, 9.000.083.082. MWM: 9 0572 01 0 074. PIC: 120-6249. VALMET: 221 561. VOLKSWAGEN: 004053778.

ZM 631 - Relé de Partida / Starter Relay



A: 48mm
B: 89mm
C: 337mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 32mm



ZM 80.102.05

12v

12V (R) 3,0kW JF

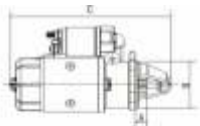
APLICAÇÃO / USED ON:

MERCEDES-BENZ: L 1116, L 1117, L 1317, L 1319, L 1516, LA 1113, LA 1117.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.071. MERCEDES-BENZ: 3 441 510 501.

ZM 631 - Relé de Partida / Starter Relay



A: 48mm
B: 89mm
C: 337mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 34,8mm



ZM 80.102.06

12v

12V (R) 3,0kW JF

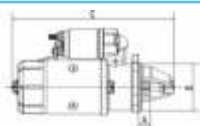
APLICAÇÃO / USED ON:

FORD: Cargo 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, F 4000. VOLKSWAGEN: 12-170 BT, 13-170, 13-190, 14-170 BT, 15-170, 16-170, 16-200, 17-210.

SUBSTITUI / REPLACE:

BOSCH: 9.000.453.074. FORD: TJG-911023D, XC45-11001-CA. PIC: 182-387. VOLKSWAGEN: TJG-911023D.

ZM 537 - Relé de Partida / Starter Relay



A: 26mm
B: 98,5mm
C: 337mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 37,6mm



ZM 80.102.07

12v

12V (R) 3,0kW JF

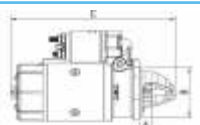
APLICAÇÃO / USED ON:

AGRALE: 7000 DX, 7000 TDX, 8500 TDX. AGRAL-DEUTZ: MA 7.5 T. CASE: W 20E. FORD: F 12000, F 14000, F 4000. PUMA: 7900, 7900 T. VOLKSWAGEN: 12-140 T, 12-180, 13-150, 13-180, 14-150, 14-180, 14-200, 7-100, 7-120, 8-100, 8-120, 8-140, 8-150, 9-150.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.077. FORD: TJB-911023B. MWM: 905720100079. PIC: 182-242. VOLKSWAGEN: TJB-911023B.

ZM 631 - Relé de Partida / Starter Relay



A: 26 mm
B: 98,3 mm
C: 325 mm

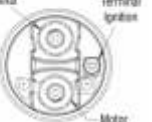
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 34,8 mm



ZM 80.102.17

12v

12V (R) 2,0kW JF

APLICAÇÃO / USED ON:

AGRALE: 1800 D, TX1600. MWM: SLC 7000 Series. MÜLLER: VIBRO RT 62, VIBRO RT 82. VALMET: 110 ID, 62 ID, 65 ID, 685, 85 ID.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.069. MWM: 9 0592 01 0 0077. VALMET: 803113.

ZM 631 - Relé de Partida / Starter Relay



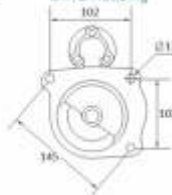
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 40mm



ZM 80.102.18

12v

12V (R) 2,0kW JF

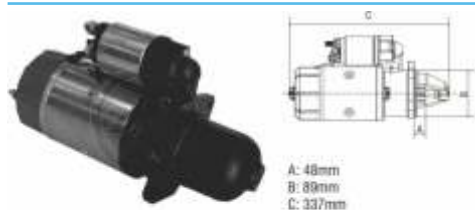
APLICAÇÃO / USED ON:

MASSEY FERGUSON: MF 235, MF 265, MF 265/4.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.072. MAXION: 191068M94.

ZM 631 - Relé de Partida / Starter Relay



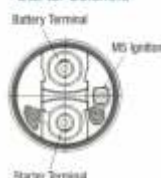
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 34,8mm



ZM 80.103.01

24v

24V (R) 4,0kW JF

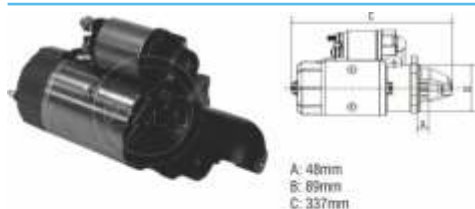
APLICAÇÃO / USED ON:

CASE: W 18D, W 18E, W 20E. EL DETALLE: OA 101. MERCEDES-BENZ: L 1214, L 1217, L 1218, L 1418.

SUBSTITUI / REPLACE:

BOSCH: 0.986.012.940, 9.000.083.064, 9.009.083.064. CASE: E155737. FIAT: 75207601. KÄSSBOHRER: 7 431 027 000. MERCEDES-BENZ: 0 031 511 301, 3 431 517 201, A 3 431 517 201. VOLVO: 12709015.

ZM 636 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 34,8mm



ZM 80.103.02

24v

24V (R) 4,0kW JF

APLICAÇÃO / USED ON:

MERCEDES-BENZ: L 1317, L 1517, O 371 U, O 371 UL, OF 1115, OF 1315, OF 1721, OH 1315, OH 1318, OH 1621 LG, OH 1623 LG.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.065. MERCEDES-BENZ: 3 441 517 401.

ZM 637 - Relé de Partida / Starter Relay



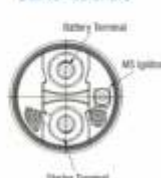
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 37,8mm



ZM 80.103.03

24v

24V (R) 4,0kW JF

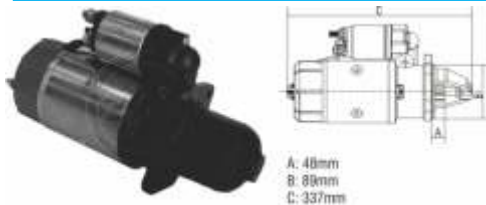
APLICAÇÃO / USED ON:

FORD: B 1618, B 1621, Cargo 1618. VOLKSWAGEN: 16-180, 16-210, 17-210, 17-240 OT, B 16-180, L 80.

SUBSTITUI / REPLACE:

BOSCH: 9.000.453.079. FORD: TAR-911023. MWM: 9 0572 01 0 080. VOLKSWAGEN: TAR-911023.

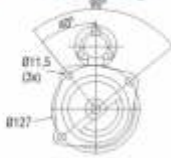
ZM 636 - Relé de Partida / Starter Relay



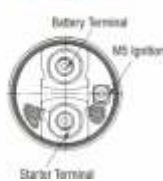
Starter Drive



Drive Housing



Starter Solenoid



ZM 80.103.04

24v

24V (R) 4,0kW JF

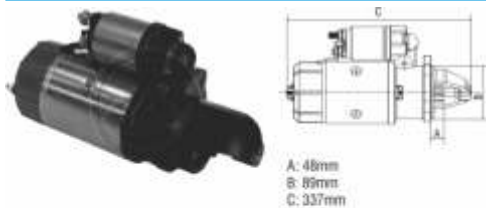
APLICAÇÃO / USED ON:

CASE: W 18D, W 18E, W 20E. EL DETALLE: OA 101. MERCEDES-BENZ: L 1214, L 1217, L 1218, L 1418.

SUBSTITUI / REPLACE:

BOSCH: 0.986.012.940, 9.000.083.064, 9.009.083.064. CASE: E155737. FIAT: 75207601. KÄSSBOHRER: 7 431 027 000. MERCEDES-BENZ: 0 031 511 301, 3 431 517 201, A 3 431 517 201. VOLVO: 12709015.

ZM 9-636 - Relé de Partida / Starter Relay



Starter Drive



Drive Housing



Starter Solenoid



ZM 80.103.05

24v

24V (R) 4,0kW JF

APLICAÇÃO / USED ON:

MERCEDES-BENZ: L 1317, L 1517, O 371 U, O 371 UL, OF 1115, OF 1315, OF 1721, OH 1315, OH 1318, OH 1621 LG, OH 1623 LG.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.065. MERCEDES-BENZ: 3 441 517 401.

ZM 9-637 - Relé de Partida / Starter Relay



Starter Drive



Drive Housing



Starter Solenoid



ZM 80.103.06

24v

24V (R) 4,0kW JF

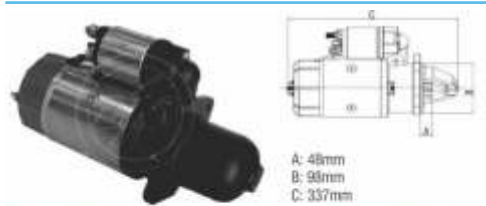
APLICAÇÃO / USED ON:

FORD: B 1618, B 1621, Cargo 1618. VOLKSWAGEN: 16-180, 16-210, 17-210, 17-240 OT, B 16-180, L 80.

SUBSTITUI / REPLACE:

BOSCH: 9.000.453.079. FORD: TAR-911023. MWM: 9 0572 01 0 080. VOLKSWAGEN: TAR-911023.

ZM 9-636 - Relé de Partida / Starter Relay



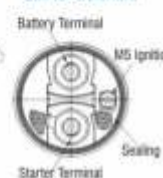
Starter Drive



Drive Housing



Starter Solenoid



ZM 80.103.07

24v

24V (R) 4,0kW JF

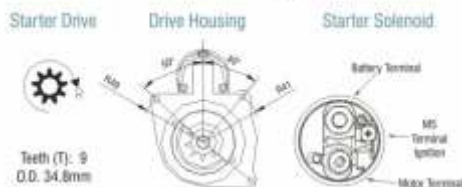
APLICAÇÃO / USED ON:

YANMAR: Motor Estacionário e Marítimo.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.063. KOMATSU: 6107214. MERCEDES-BENZ: 3 431 517 301, 3 441 517 301.

ZM 9-636 - Relé de Partida / Starter Relay



ZM 80.132.01

12v

12V (R) 2,2kW PDM

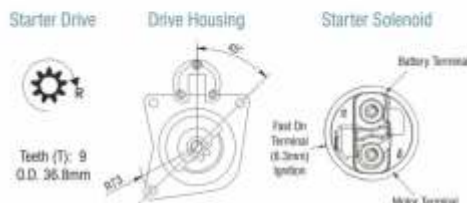
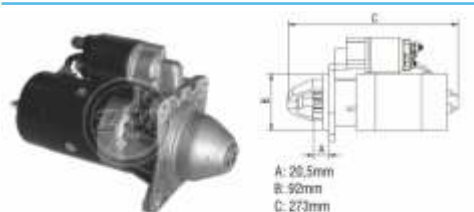
APLICAÇÃO / USED ON:

FAMSA: f 1314 C/B, f 1317 C/B, f 1321 C/B, f 1514, f 1517, f 1521. FORD-NEW HOLLAND: 8040, 8055. MERCEDES-BENZ: 1214, 1714, 1718, 1720, 1721, 1722, 1723, 2418, 709, 710, 712, 912, 914, L 1113, L 1114, L 1116, L 1117, L 1118, L 1214, L 1217, L 1218, L 1313, L 1314, L 1316, L 1317, L 1318, L 1319, L 1414, L 1418, L 1420, L 1513, L 1516, L 1517, L 1518, L 1614, L 1618, L 1620, L 1621, L 1717, L 2013, L 2014, L 2016, L 2213, L 2214, L 2216, L 2217, L 2314, L 2318, L 608 D, L 708 E, LA 1113, LA 1117, LA 1313, LA 1513, LA 2013, LA 2213, LB 2218, LB 2318, LK 2218, LK 2318, LO 708 E, LO 809, LO 812, LO 814, LPO 1113, LS 1313, LS 1518, O 362, O 364, O 365, OF 1113, OF 1114, OF 1313, OF 1314, OF 812, OH 1313, OH 1314, OH 1316. TOYOTA: Bandeirante.

SUBSTITUI / REPLACE:

BOSCH: 9.000.083.054, F.000.AL0.128.

ZM 3-571 - Relé de Partida / Starter Relay



ZM 80.130.01

12v

12V (R) 2,2kW EV

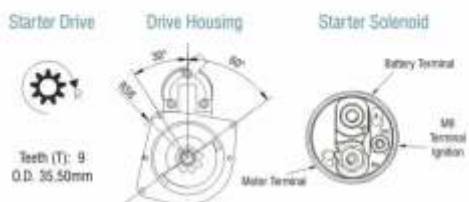
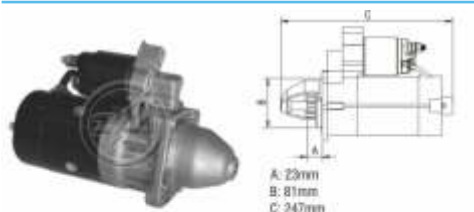
APLICAÇÃO / USED ON:

LAND ROVER / ROVER GROUP: Land Rover, Land Rover Defender, Land Rover Discovery, Range Rover. MERCEDES-BENZ: Sprinter.

SUBSTITUI / REPLACE:

BOSCH: 0.001.218.168. FORD: BF5T-11001-AA, ERR5009, NAN500210, NNN500210. MAXION: ERR5009A. PRESTOLITE: 35258660, 35259400. ROVER: ERR5009, NAN500210.

ZM 975 - Relé de Partida / Starter Relay



ZM 80.130.02

12v

12V (R) 2,3kW EV

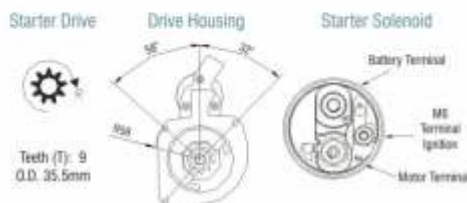
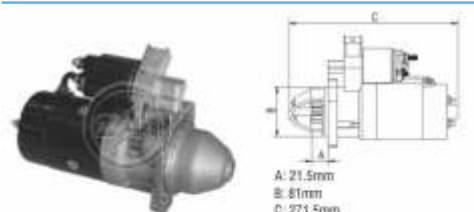
APLICAÇÃO / USED ON:

FIAT: Ducato. FIAT-IVECO: Daily.

SUBSTITUI / REPLACE:

BOSCH: 0.001.223.013. CITROËN: 5802Z0. FIAT: 1329201080, 1349920080, 46758240, 80296470. IVECO: 1329201080, 8029647. PEUGEOT: 5802Z0.

ZM 2-479 - Relé de Partida / Starter Relay



ZM 80.130.03

12v

12V (R) 2,2kW EV

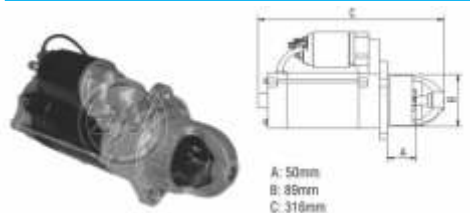
APLICAÇÃO / USED ON:

FIAT: Ducato. FIAT-IVECO: Daily.

SUBSTITUI / REPLACE:

BOSCH: 0.001.218.159. CITROËN: 5802V4. FIAT: 130019808. LANCIA: 130019808. PEUGEOT: 5802V4. PRESTOLITE: 35259030.

ZM 977 - Relé de Partida / Starter Relay



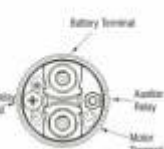
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 34.8mm



ZM 80.130.04

24v

24V (R) 4,0kW EV

APLICAÇÃO / USED ON:

MERCEDES-BENZ: 1215, 1218, 1418, 2423, 712C, 914C, 915, L 1418, L 1618, O 500M, O 500R, O 500U.

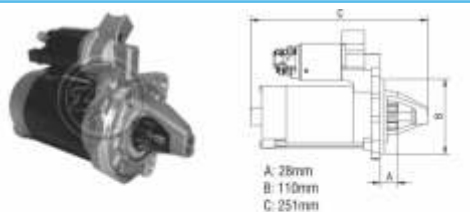
SUBSTITUI / REPLACE:

BOSCH: 0.001.231.002, 0.001.231.033. DELCO REMY: 82000168. MAN: 36262016003.

MERCEDES-BENZ: 0 041 518 401, 0 051 512 001, 0 061 512 201, 0 061 512 203.

ZM 1-639 - Relé de Partida / Starter Relay

ZM 5-409 - Relé Auxiliar / Auxiliary Relay



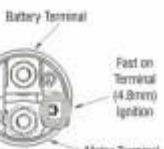
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 35.5mm



ZM 80.130.05

12v

12V (R) 2,3kW EV

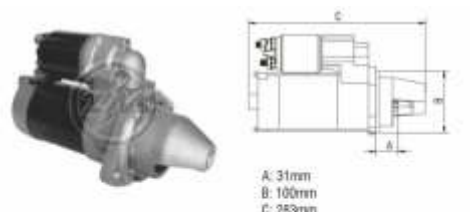
APLICAÇÃO / USED ON:

FORD: F 250.

SUBSTITUI / REPLACE:

BOSCH: 0.001.223.010. FORD: XC3U-11000-BA. PRESTOLITE: 35259890.

ZM 3-972 - Relé de Partida / Starter Relay



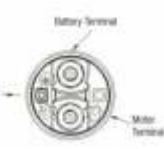
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32mm



ZM 80.130.06

12v

12V (R) 2,6kW EV

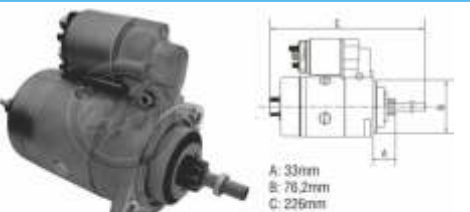
APLICAÇÃO / USED ON:

FORD: F 250, F 350, F 4000.

SUBSTITUI / REPLACE:

BOSCH: 0.001.223.505. FORD: XC3U-11000-CA.

ZM 735 - Relé de Partida / Starter Relay



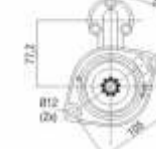
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25.8mm



ZM 80.106.01

12v

12V (L) 0,80kW EF

APLICAÇÃO / USED ON:

GURGEL: BR 800, Tocantins. VOLKSWAGEN: Fusca, GR1600, Kombi.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.046, 9.000.082.077. VOLKSWAGEN: 211910235, 2119110231, 211911023L, 663396, 911910235.

ZM 879 - Relé de Partida / Starter Relay



A: 18.5mm
B: 82.5mm
C: 227mm

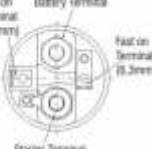
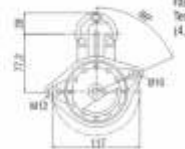
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25.8mm



ZM 80.106.02

12v

12V (R) 0,80kW EF

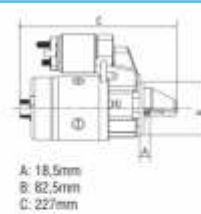
APLICAÇÃO / USED ON:

GM-CHEVROLET: Ipanema, Kadett, Monza.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.036, 9.000.082.063. GM: 52257049, 52270037, 94628321. PIC: 120-150A.

ZM 872 - Relé de Partida / Starter Relay



A: 18.5mm
B: 82.5mm
C: 227mm

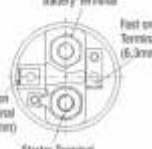
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25.8mm



ZM 80.106.03

12v

12V (R) 0,95kW EF

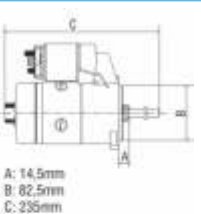
APLICAÇÃO / USED ON:

GM-CHEVROLET: Blazer, Kadett, Monza, S10.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.058. GM-CHEVROLET: 52270037. PIC: 120-024.

ZM 872 - Relé de Partida / Starter Relay



A: 14.5mm
B: 82.5mm
C: 235mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25.8mm



ZM 80.106.04

12v

12V (R) 0,95kW EF

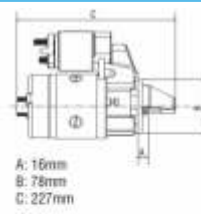
APLICAÇÃO / USED ON:

AUDI: 100, 80, Coupe. FORD: Galaxy, Royale, Versailles. GURGEL: Carajás. MIURA: Top Sport. VOLKSWAGEN: Fox, Gol, Parati, Passat, Quantum, Santana.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.050, 9.009.082.050, 9.009.082.055, 9.009.411.010. FORD: ZBC 911 023. LESTER: 16408. PIC: 102-234. VOLKSWAGEN: 026911023, 026911023B, 026911023BX, 026911023X, 049911023G, 049911023GX, 049911023H.

ZM 571 - Relé de Partida / Starter Relay



A: 16mm
B: 78mm
C: 227mm

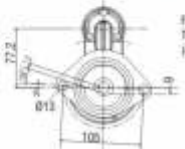
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25.8mm



ZM 80.106.05

12v

12V (R) 0,70kW EF

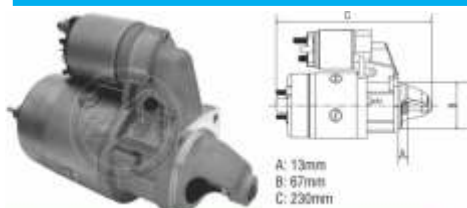
APLICAÇÃO / USED ON:

GM-CHEVROLET: Chevette, Chevy, Marajó.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.033, 9.009.082.033. GM: 94626808.

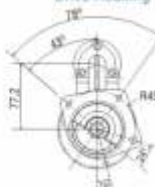
ZM 574 - Relé de Partida / Starter Relay



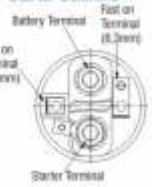
Starter Drive



Drive Housing



Starter Solenoid



ZM 80.106.06

12v

12V (R) 0,80kW EF

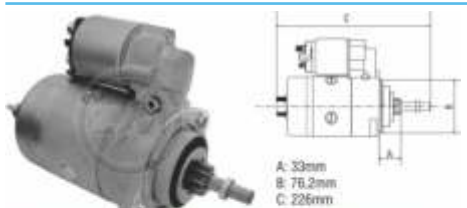
APLICAÇÃO / USED ON:

FIAT: 147, Cityvan, Duna, Elba, Fiorino, Oggi, Panorama, Prêmio, Spazio, Uno.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.039, 9.000.082.040. FIAT: 50001602, 75019950. LANCIA: 50001602, 75019950. PIC: 120-5073.

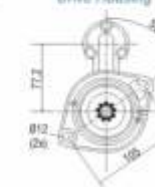
ZM 574 - Relé de Partida / Starter Relay



Starter Drive



Drive Housing



Starter Solenoid



ZM 80.106.07

12v

12V (L) 0,80kW EF

APLICAÇÃO / USED ON:

GURGEL: BR 800, Tocantins. VOLKSWAGEN: Brasília, Fusca, GR1600, Gol, Karman Ghia, Kombi, Transporter, Variant.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.046, 9.000.082.047. VOLKSWAGEN: 3059110233, 711908.

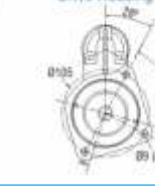
ZM 571 - Relé de Partida / Starter Relay



Starter Drive



Drive Housing



Starter Solenoid



ZM 80.106.08

12v

12V (R) 0,80kW EF

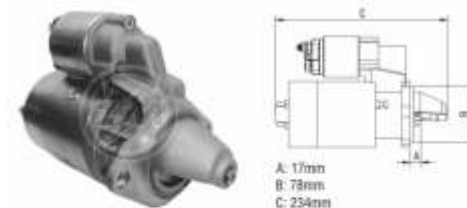
APLICAÇÃO / USED ON:

FORD: Pampa. VOLKSWAGEN: Gol, Parati, Passat, Saveiro, Voyage.

SUBSTITUI / REPLACE:

BOSCH: 9.000.082.045, 9.009.082.030, 9.009.451.011. FORD: ZBA 911 023A. VOLKSWAGEN: 622679, ZBA 911 023A.

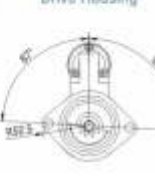
ZM 571 - Relé de Partida / Starter Relay



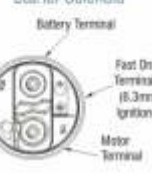
Starter Drive



Drive Housing



Starter Solenoid



ZM 80.106.21

12v

12V (R) 0,90kW EF

APLICAÇÃO / USED ON:

HYSTER: Lift Truck. YALE: Lift Trucks.

SUBSTITUI / REPLACE:

HYSTER: 2314322. MAZDA: FFSC-18-400, FFSC-18-400A, FF50-18-400. MITSUBISHI: M000T84381. YALE: 9181396-00.

ZM 873 - Relé de Partida / Starter Relay



Starter Drive



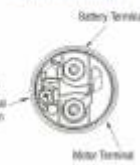
Drive Housing

Starter Solenoid

A: 15.5mm
B: 82.5mm
C: 213mm



Teeth (T): 9
O.D. 25.8mm



ZM 80.120.01

12v

12V (R) 1,1kW DB

APLICAÇÃO / USED ON:

VOLKSWAGEN: Gol, Parati, Quantum, Santana, Saveiro, Voyage.

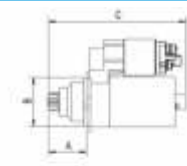
SUBSTITUI / REPLACE:

BOSCH: 9.000.081.006, 9.000.081.007, F.000.AL0.502, F.000.AL0.507. VOLKSWAGEN: 5X39-11023.

ZM 971 - Relé de Partida / Starter Relay



Starter Drive



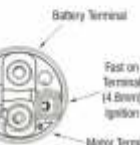
Drive Housing

Starter Solenoid

A: 51mm
B: 70mm
C: 210mm



Teeth (T): 10
O.D. 26.4mm



ZM 80.125.01

12v

12V (L) 0,9kW DA

APLICAÇÃO / USED ON:

VOLKSWAGEN: Gol, Parati.

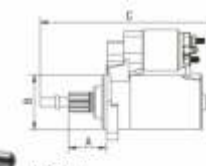
SUBSTITUI / REPLACE:

BOSCH: F.000.AL0.401, F.000.AL0.414. VOLKSWAGEN: 377911023P.

ZM 1-972 - Relé de Partida / Starter Relay



Starter Drive



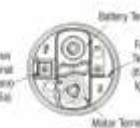
Drive Housing

Starter Solenoid

A: 52.5mm
B: 75.5mm
C: 245mm



Teeth (T): 10
O.D. 27.9mm



ZM 80.110.01

12v

12V (L) 1,1kW DW

APLICAÇÃO / USED ON:

FORD: Escort, Verona. VOLKSWAGEN: Inca, Logus, Pointer, Van.

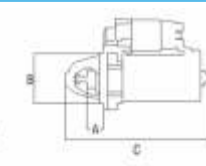
SUBSTITUI / REPLACE:

BOSCH: 9.000.081.001, 9.000.081.002, F.000.AL0.125. FIAT: 50004908. FORD: 5479-11023-D. VOLKSWAGEN: 80303.

ZM 773 - Relé de Partida / Starter Relay



Starter Drive



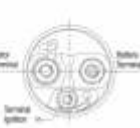
Drive Housing

Starter Solenoid

A: 25 mm
B: 82 mm
C: 240 mm



Teeth (T): 10
O.D. 25.5mm



ZM 80.110.02

12v

12V (R) 2.2kW DW

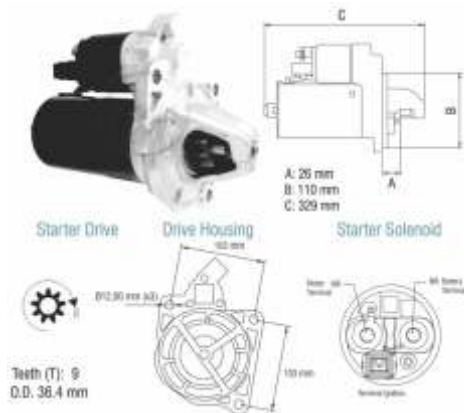
APLICAÇÃO / USED ON:

MERCEDES-BENZ: Accelo 715C, Classe C (C-Class), Classe E (E-Class), Classe M (M-Class), Sprinter, Vito.

SUBSTITUI / REPLACE:

BOSCH: 0.001.109.250.

ZM 2-371 - Relé de Partida / Starter Relay



ZM 80.110.03

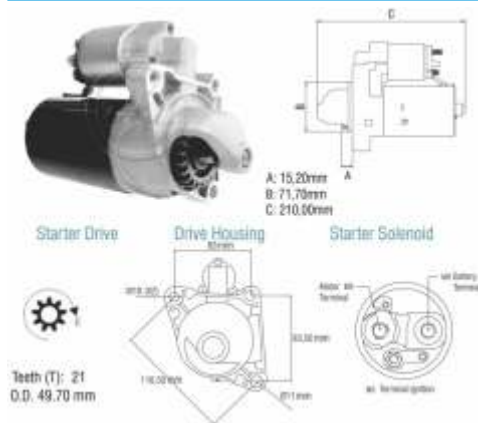
12v

12V (R) 2.0kW DW

APLICAÇÃO / USED ON:
GM-CHEVROLET: Blazer, S10.

SUBSTITUI / REPLACE:
BOSCH: F.000.AL0.107.

ZM 2-972 - Relé de Partida / Starter Relay



ZM 80.110.04

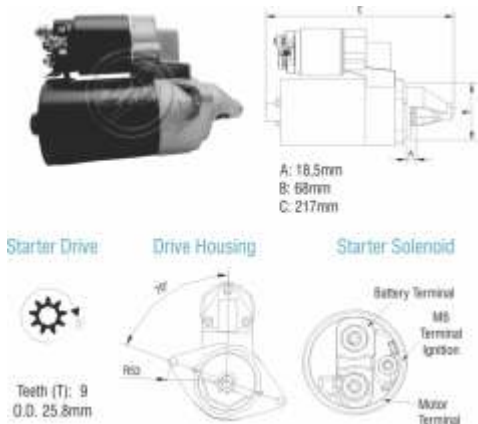
12v

12V (R) 1.1kW DW

APLICAÇÃO / USED ON:
FORD: Courier, Fiesta, Ka.

SUBSTITUI / REPLACE:
BOSCH: 0.001.107.082.

ZM 371 - Relé de Partida / Starter Relay



ZM 80.115.01

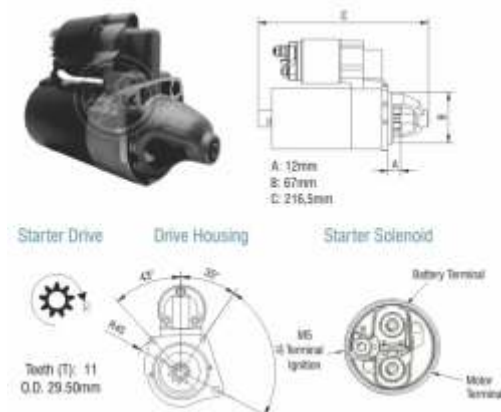
12v

12V (R) 0,9kW DM

APLICAÇÃO / USED ON:
GM-CHEVROLET: Corsa.

SUBSTITUI / REPLACE:
BOSCH: F.000.AL0.304.

ZM 2-775 - Relé de Partida / Starter Relay



ZM 80.115.02

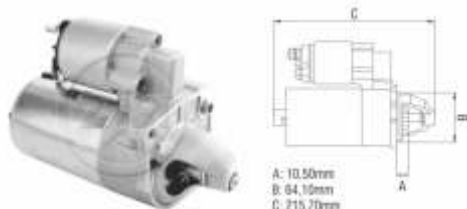
12v

12V (R) 0,8kW DM

APLICAÇÃO / USED ON:
FIAT: Palio, Uno.

SUBSTITUI / REPLACE:
BOSCH: F.000.AL0.300. FIAT: 46521786. LANCIA: 46521786.

ZM 974 - Relé de Partida / Starter Relay



ZM 80.115.03

12v

12V (R) 0,8kW DM

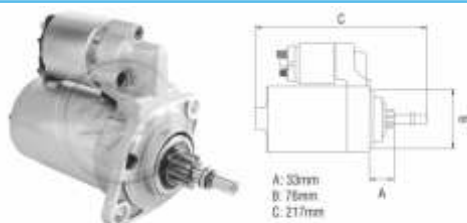
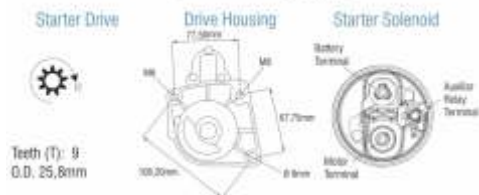
APLICAÇÃO / USED ON:

FIAT: Fiorino, Palio, Palio Weekend, Siena, Strada, Uno.

SUBSTITUI / REPLACE:

BOSCH: F.000.AL0.309.

ZM 1-974 - Relé de Partida / Starter Relay



ZM 80.115.05

12v

12V (L) 0,8kW DM

APLICAÇÃO / USED ON:

VOLKSWAGEN: Fusca, Kombi.

SUBSTITUI / REPLACE:

BOSCH: F.000.AL0.329.

ZM 879 - Relé de Partida / Starter Relay



ZM 80.978.01

12v

12V (R) 2,2KW R78-M55

APLICAÇÃO / USED ON:

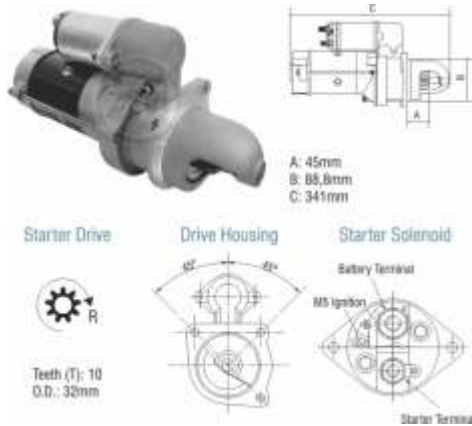
TOYOTA: Hilux.

SUBSTITUI / REPLACE:

BOSCH: F.000.AL0.111. TOYOTA: 28100-67070.

ZM 3-978 - Relé de Partida / Starter Relay





ZM 80.280.01

12v

12V (R) 2,9kW 28MT

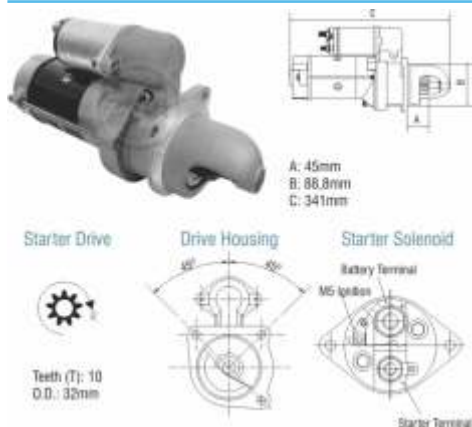
APLICAÇÃO / USED ON:

ACGO: ARG. Dicumar. CUMMINS: Engines, Ingersoll Rand 110, Ingersoll Rand 125, Ingersoll Rand 95. DELCO REMY: 28MT Starter Motor Series.

SUBSTITUI / REPLACE:

CUMMINS: 3604648RX, 3916854. DELCO REMY: 10465026, 10465043, 10465407, 10479621, 1113276, 1113593, 1988708, 1998408, 1998423, 1998456, 1998457, 1998490, 1998506, DRS 5134. LESTER: 6573. PIC: 140-920.

ZM 805 - Relé de Partida / Starter Relay



ZM 80.280.02

24v

24V (R) 3,96kW 28MT

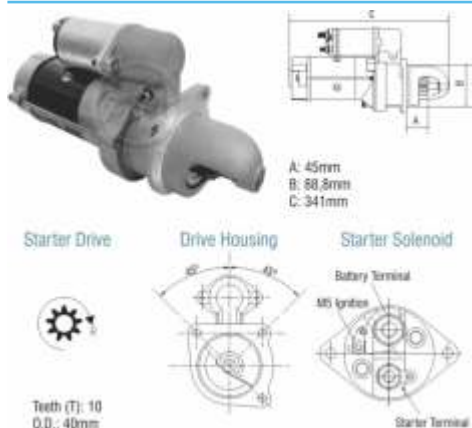
APLICAÇÃO / USED ON:

CUMMINS: Engines, Timberjack. DELCO REMY: 28MT Starter Motor Series. KOMATSU: PC 200 Excavator.

SUBSTITUI / REPLACE:

CUMMINS: 3675204RX, 3918377, 3926932. DELCO REMY: 1113277. LESTER: 6574. PIC: 140-917.

ZM 810 - Relé de Partida / Starter Relay



ZM 80.280.03

24v

24V (R) 3,96kW 28MT

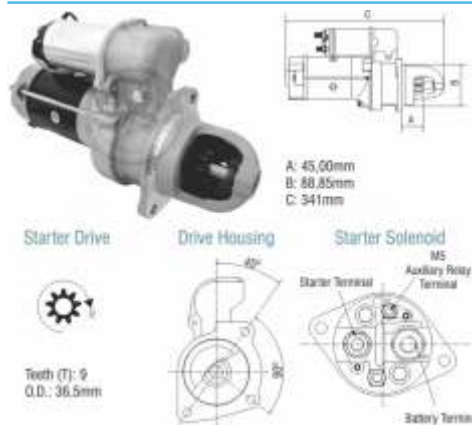
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. FIATALLIS: Grader.

SUBSTITUI / REPLACE:

DELCO REMY: 10461461, 10479605. LESTER: 6594. PIC: 140-903.

ZM 810 - Relé de Partida / Starter Relay



ZM 80.280.04

24v

24V (R) 3,96kW 28MT

APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. MERCEDES-BENZ: 1215, 1218, 1418, 1718, 1725, 2423, 2428, 712C, 715, 914C, 915C, Atego, Atego 2, Citaro, Cito, Conecto, Econic, LK/LN2, LO 914, O 500M, O 500U, OF 1417, Unimog, Vario.

SUBSTITUI / REPLACE:

DELCO REMY: 10461470, 10479626, 10479650, 19070039. LESTER: 6605. MERCEDES-BENZ: 0 041 518 401, 0 051 512 001, 0 061 512 201, 0 061 512 203, A 0 051 517 601. PIC: 140-946.

ZM 815 - Relé de Partida / Starter Relay

ZM 2-409 - Relé Auxiliar / Auxiliary Relay



Starter Drive

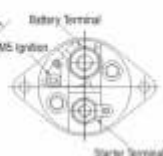


Teeth (T): 9
O.D.: 36,5mm

Drive Housing



Starter Solenoid



ZM 80.280.05

12v

12V (R) 2,9kW 28MT

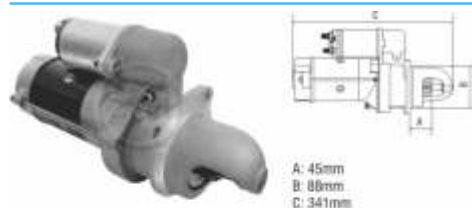
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. MERCEDES-BENZ: 1418, 1620, 1720, 710, L0 814.

SUBSTITUI / REPLACE:

DELCO REMY: 10479646, 10479651, 8200295. MERCEDES-BENZ: A 0 051 518 301.

ZM 805 - Relé de Partida / Starter Relay



Starter Drive

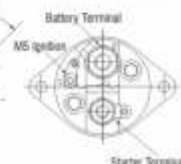


Teeth (T): 9
O.D.: 36,5mm

Drive Housing



Starter Solenoid



ZM 80.280.06

24v

24V (R) 3,96kW 28MT

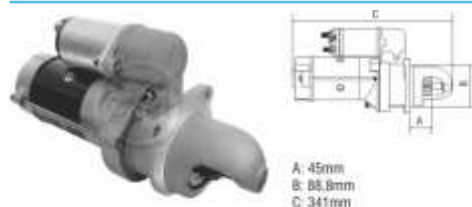
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. MERCEDES-BENZ: OF 1721, OH 1420, OH 1621L, OH 1623.

SUBSTITUI / REPLACE:

DELCO REMY: 10479652, 8200296. MERCEDES-BENZ: A 0 051 518 501.

ZM 810 - Relé de Partida / Starter Relay



Starter Drive



Teeth (T): 10
O.D.: 32mm

Drive Housing



Starter Solenoid



ZM 80.280.07

12v

12V (R) 2,9kW 28MT

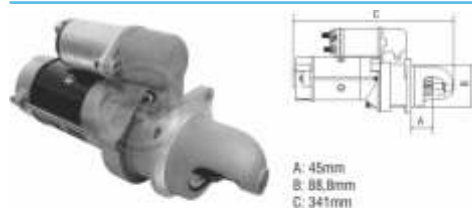
APLICAÇÃO / USED ON:

CASE: Crawlers. DELCO REMY: 28MT Starter Motor Series.

SUBSTITUI / REPLACE:

CUMMINS: 3936148. DELCO REMY: 10479640, 10479643.

ZM 807 - Relé de Partida / Starter Relay



Starter Drive

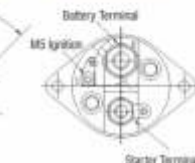


Teeth (T): 9
O.D.: 36,5mm

Drive Housing



Starter Solenoid



ZM 80.280.08

24v

24V (R) 3,96kW 28MT

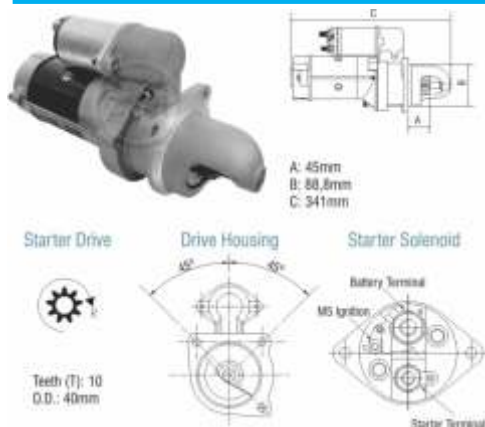
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. FIATALLIS: Crawler, Wheel Loader.

SUBSTITUI / REPLACE:

CASE: 75259789. DELCO REMY: 10479654.

ZM 810 - Relé de Partida / Starter Relay



ZM 80.280.09

12v

12V (R) 2,9kW 28MT

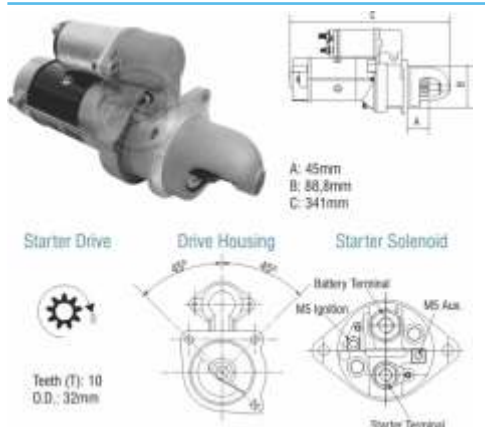
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. HYSTER: Equipamento Industrial. PERKINS: Equipamento Industrial.

SUBSTITUI / REPLACE:

DELCO REMY: 10461446, 10461447, 10465044, 10465046, 1113275, 1113278. HYSTER: 313394. LESTER: 6584. PIC: 140-962.

ZM 805 - Relé de Partida / Starter Relay



ZM 80.280.10

24v

24V (R) 3,96kW 28MT

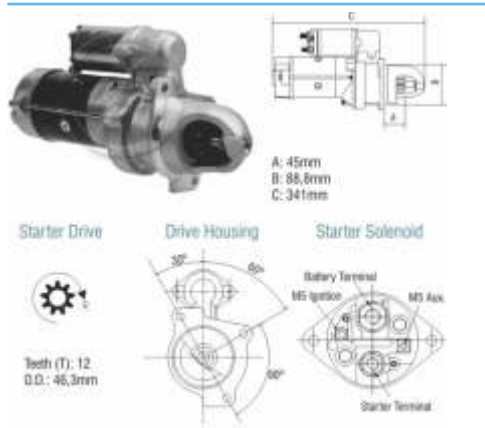
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. FIATALLIS: Engine.

SUBSTITUI / REPLACE:

CUMMINS: 3604677RX. DELCO REMY: 10461486, 10462469, 10479623, 1113291. KOMATSU: 1268855H91. LESTER: 6582. PIC: 140-919.

ZM 810 - Relé de Partida / Starter Relay



ZM 80.280.11

12v

12V (R) 2,9kW 28MT

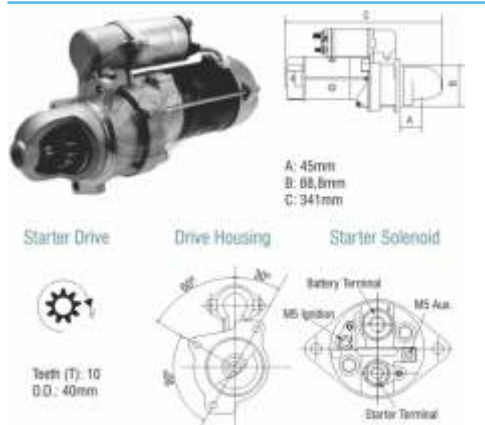
APLICAÇÃO / USED ON:

BOBCAT: Articulated Loaders, Skid Steer Loaders. DELCO REMY: 28MT Starter Motor Series.

SUBSTITUI / REPLACE:

CASE: 9800888. DELCO REMY: 10461445, 10465058, 1113273. LESTER: 6571. PIC: 140-921.

ZM 805 - Relé de Partida / Starter Relay



ZM 80.280.12

12v

12V (R) 2,9kW 28MT

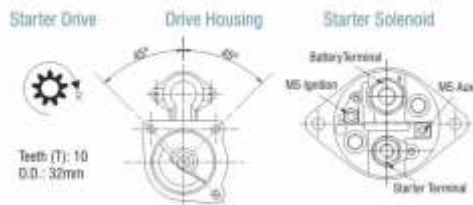
APLICAÇÃO / USED ON:

BOBCAT: Skid Steer Loaders. DELCO REMY: 28MT Starter Motor Series. MASSEY FERGUSSON: Agco.

SUBSTITUI / REPLACE:

BOBCAT: 6651258, 6651664. CASE: 4500732891, 596493892. DELCO REMY: 10461450, 10461451, 10465049, 10465050, 1113281, 1113282. FORD: F3HT-11001-DB, F3HT-11001-DC, F3HZ-11002-B, F4HT-11001-BA, SA-803. HYSTER: 3042511. KOMATSU: 1283272H91. LESTER: 6576. MASSEY FERGUSSON: 1903103M91, 1903117M91, 517533M93, 579937M91. PIC: 140-924.

ZM 805 - Relé de Partida / Starter Relay



ZM 80.280.13

12v

12V (R) 2,9kW 28MT

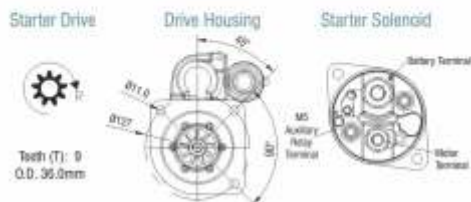
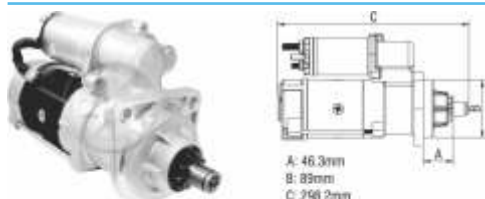
APLICAÇÃO / USED ON:

DELCO REMY: 28MT Starter Motor Series. FORD: F12000, F14000.

SUBSTITUI / REPLACE:

DELCO REMY: 10461474, 10479634. FORD: F7HT-11001-AC, F7HZ-11002-AB. LESTER: 6603. PIC: 140-920A.

ZM 807 - Relé de Partida / Starter Relay



ZM 80.290.01

12v

12V (R) 3,3kW 29MT

APLICAÇÃO / USED ON:

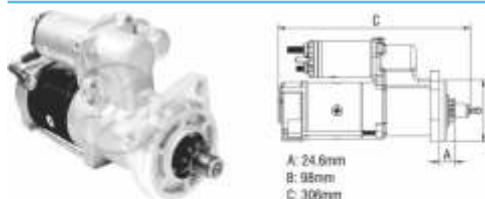
DELCO REMY: 29MT Starter Motor Series. MERCEDES-BENZ: 1418R, 1720, 1720K, 710, 712E, L 1620, LO 712, LO 812, LO 814.

SUBSTITUI / REPLACE:

DELCO REMY: 8200003, 8200295, 8200511.

ZM 818 - Relé de Partida / Starter Relay

ZM 2-407 - Relé Auxiliar / Auxiliary Relay



ZM 80.290.02

12v

12V (R) 3,3kW 29MT

APLICAÇÃO / USED ON:

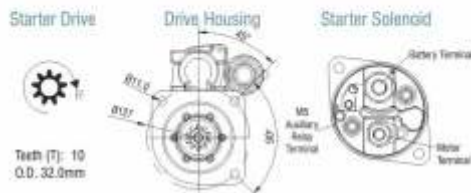
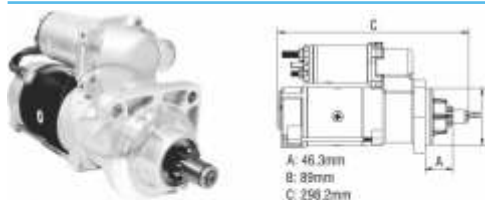
DELCO REMY: 29MT Starter Motor Series. VOLKSWAGEN: 13-180, 17-180, 8-120, 8-120 OD, 8-150, 9-150.

SUBSTITUI / REPLACE:

DELCO REMY: 8200326.

ZM 818 - Relé de Partida / Starter Relay

ZM 2-407 - Relé Auxiliar / Auxiliary Relay



ZM 80.290.03

12v

12V (R) 3,3kW 29MT

APLICAÇÃO / USED ON:

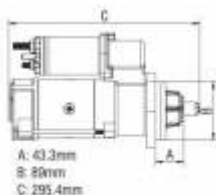
DELCO REMY: 29MT Starter Motor Series. FORD: Cargo 1317e, Cargo 1517e, Cargo 1717e, Cargo 1722e, Cargo 2422e, Cargo 2428e, Cargo 2622e, Cargo 2628e, Cargo 815e. VOLKSWAGEN: 15-190, 17-250, 24-250, 8-150.

SUBSTITUI / REPLACE:

DELCO REMY: 8200331, 8200478.

ZM 818 - Relé de Partida / Starter Relay

ZM 2-407 - Relé Auxiliar / Auxiliary Relay



A: 43.3mm
B: 89mm
C: 295.4mm

Starter Drive

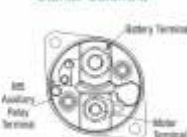


Teeth (T): 11
O.D. 46.4mm

Drive Housing



Starter Solenoid



ZM 80.291.01

24v

24V (R) 4kW 29MT

APLICAÇÃO / USED ON:

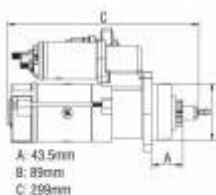
DELCO REMY: 29MT Starter Motor Series. MERCEDES-BENZ: 1720, OF 1721, OH 1420, OH 1621L, OH 1623.

SUBSTITUI / REPLACE:

DELCO REMY: 8200004, 8200296, 8200512.

ZM 1-818 - Relé de Partida / Starter Relay

ZM 409 - Relé Auxiliar / Auxiliary Relay



A: 43.5mm
B: 89mm
C: 299mm

Starter Drive

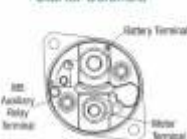


Teeth (T): 11
O.D. 43.4mm

Drive Housing



Starter Solenoid



ZM 80.291.02

24v

24V (R) 4kW 29MT

APLICAÇÃO / USED ON:

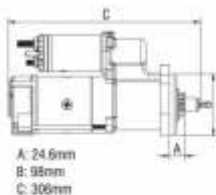
DELCO REMY: 29MT Starter Motor Series. MERCEDES-BENZ: 1215, 1218EL, 1218L, 1418EL, 1418L, 1718, 1725, 2423, 2428, 712C, 714C, 715, 915C, Atego, Axor, L 1318, L 1620, LO 914, O 500M, O 500R, O 500U, OF 1417, OF 1418, OF 1518, OF 1721, OF 1722.

SUBSTITUI / REPLACE:

DELCO REMY: 8200138, 8200297.

ZM 2-818 - Relé de Partida / Starter Relay

ZM 409 - Relé Auxiliar / Auxiliary Relay



A: 24.6mm
B: 98mm
C: 306mm

Starter Drive



Teeth (T): 10
O.D. 37.8mm

Drive Housing



Starter Solenoid



ZM 80.291.03

24v

24V (R) 4kW 29MT

APLICAÇÃO / USED ON:

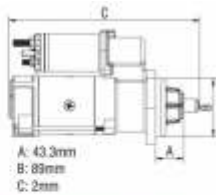
DELCO REMY: 29MT Starter Motor Series. VOLKSWAGEN: 13-180, 15-180, 15-190, 17-210, 17-230, 17-260, 26-260, 31-260E, 8-150, 9-150. VOLVO: VM 210, VM 260, VM 310.

SUBSTITUI / REPLACE:

DELCO REMY: 8200357.

ZM 1-818 - Relé de Partida / Starter Relay

ZM 409 - Relé Auxiliar / Auxiliary Relay



A: 43.3mm
B: 89mm
C: 2mm

Starter Drive

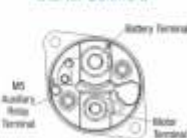


Teeth (T): 10
O.D. 40.0mm

Drive Housing



Starter Solenoid



ZM 80.291.04

24v

24V (R) 4kW 29MT

APLICAÇÃO / USED ON:

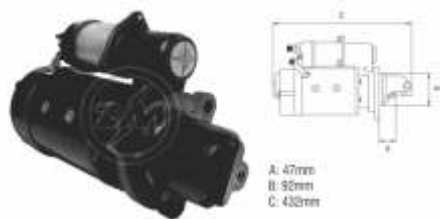
DELCO REMY: 29MT Starter Motor Series. VOLKSWAGEN: 10-150, 13-180, 15-190, 17-250, 24-250, 8-150, 9-150.

SUBSTITUI / REPLACE:

DELCO REMY: 8200474.

ZM 1-818 - Relé de Partida / Starter Relay

ZM 409 - Relé Auxiliar / Auxiliary Relay



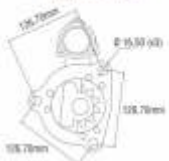
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D.: 46,3mm



ZM 80.450.01

12v

12V (R) 4,48kW 37MT

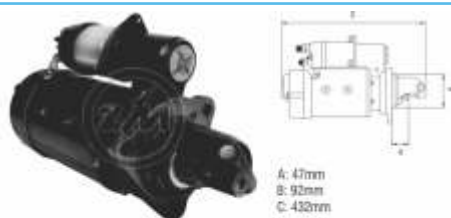
APLICAÇÃO / USED ON:

CATERPILLAR: 3114, 3116, 3176. FORD: Cargo 1622, Cargo 1630, Cargo 2422, Cargo 2425, Cargo 2622, Cargo 2626, Cargo 2630, Cargo 2631, Cargo 3222, Cargo 4030. VOLKSWAGEN: 17-220, 17-310, 23-210, 23-220, 23-310, 24-220, 26-220, 26-260, 26-310.

SUBSTITUI / REPLACE:

DELCO REMY: 1993874.

ZM 352 - Relé de Partida / Starter Relay



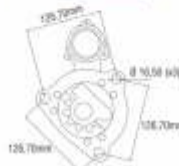
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D.: 46,3mm



ZM 80.450.02

24v

24V (R) 7,46kW 37MT

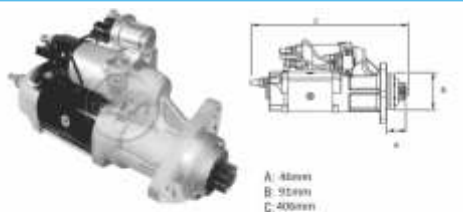
APLICAÇÃO / USED ON:

VOLKSWAGEN: 18-310 Titan Tractor.

SUBSTITUI / REPLACE:

DELCO REMY: 10479302.

ZM 360 - Relé de Partida / Starter Relay



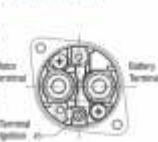
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D.: 44mm



ZM 80.380.01

24v

24V (R) 6,0kW 38MT

APLICAÇÃO / USED ON:

VOLKSWAGEN: 17-320 E, 18-310 Titan Tractor, 18-320 EVO, 19-360 E, 19-370, 24-320 E, 25-320 E, 25-370, 25-370 E, 31-370, Titan.

SUBSTITUI / REPLACE:

DELCO REMY: 8200053, 8200486. VOLKSWAGEN: 2S0911023A, 2T0911023F.

ZM 1-840 - Relé de Partida / Starter Relay

ZM 1-409 - Relé Auxiliar / Auxiliary Relay



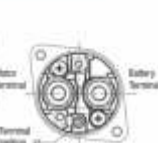
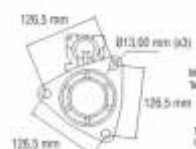
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D.: 44mm



ZM 80.380.02

24v

24V (R) 6,0kW 38MT

APLICAÇÃO / USED ON:

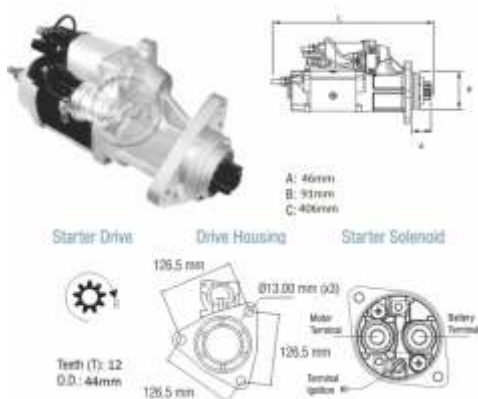
FORD: Cargo 2632, Cargo 2932, Cargo 4532, Cargo 5032. VOLVO: FH12, NH12. YUTONG: ZH6118H.

SUBSTITUI / REPLACE:

DELCO REMY: 19026030, 82000000, 8200072, 8300025. MITSUBISHI: M9T61171, M9T82171.

ZM 1-840 - Relé de Partida / Starter Relay

ZM 1-409 - Relé Auxiliar / Auxiliary Relay



ZM 80.380.03

12v

12V (R) 4,6kW 38MT

APLICAÇÃO / USED ON:

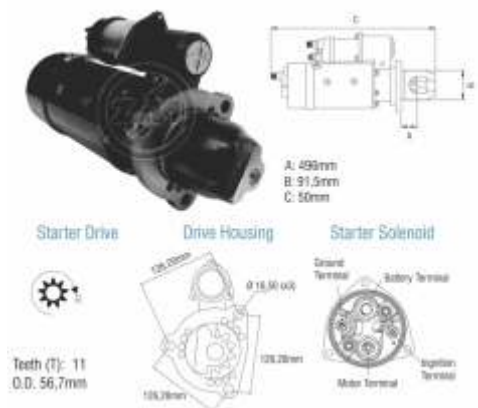
CASE: Colheitadeira de Algodão, Colheitadeira de Grãos, Tractor, Trator Magnum. FORD: Cargo 1622, Cargo 1630, Cargo 2422, Cargo 2425, Cargo 2626, Cargo 2630, Cargo 2631, Cargo 3222, Cargo 4030. VOLKSWAGEN: 17-220, 17-310, 23-210, 23-220, 23-310, 24-220, 26-260, 26-310.

SUBSTITUI / REPLACE:

DELCO REMY: 10461769, 19026028, 19026029, 8200005, 8200025, 8200356, 8300005.

ZM 840 - Relé de Partida / Starter Relay

ZM 1-407 - Relé Auxiliar / Auxiliary Relay



ZM 80.456.01

12v

12V (R) 7,76kW 42MT

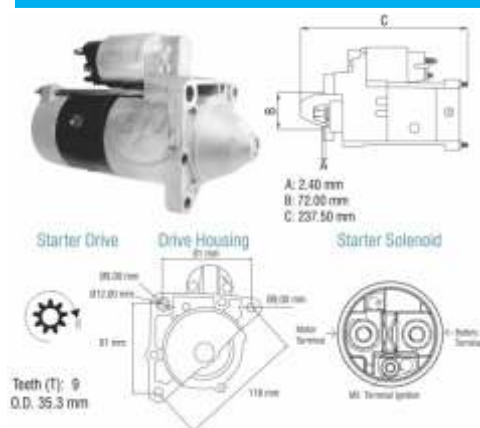
APLICAÇÃO / USED ON:

CATERPILLAR: 3406, 3408, 3412, D 320. CLARK: 501, 75IV, 75III, 85A, C500. HYSTER: H-150, H-150E, H-165, H-165E, H-180, H-180E, H-200, H-200E, H-200ES, H-225, H-225E, H-250A, H-250E, H-300, H-360A, H-360AD, H-400A, H-400AD, H-460AD, H-700, H-800A, M-500, M-600, P-125A, P-150A, P-165A, P-180A. INTERNATIONAL: 9000. TEREX: 81 SH, 82 SH, 83 SH, 84 SH, S 11E, TS 14, TS 14B, TTS 14.

SUBSTITUI / REPLACE:

DELCO REMY: 1990483.

ZM 356 - Relé de Partida / Starter Relay



ZM 80.993.01

12v

12V (R) 2.2kW M2T8

APLICAÇÃO / USED ON:

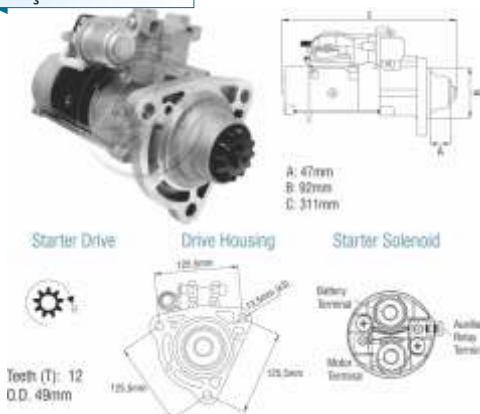
RENAULT: Master.

SUBSTITUI / REPLACE:

MITSUBISHI: M002T87671.

ZM 2-993 - Relé de Partida / Starter Relay

Lançamento em breve



ZM 80.890.01

24v

24V (R) 5,5kW M9T6

APLICAÇÃO / USED ON:

VOLVO: B12, FH12, FM 12.

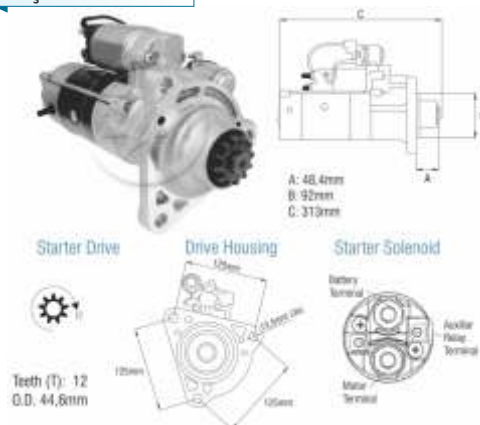
SUBSTITUI / REPLACE:

MITSUBISHI: M9T61171. VOLVO: 20430564, 20572417, 85000087.

ZM 2-897 - Relé de Partida / Starter Relay

ZM 3-408 - Relé Auxiliar / Auxiliary Relay

Lançamento em breve



ZM 80.890.02

24v

24V (R) 5,5kW M9T6

APLICAÇÃO / USED ON:

FIAT-IVECO: Euro Cargo, Euro Star, Euro Tech, Euro Trakker, Stralis.

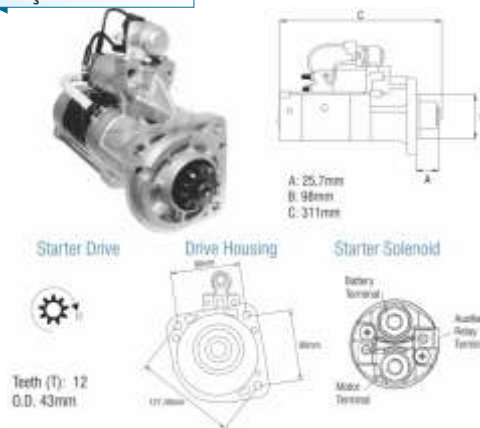
SUBSTITUI / REPLACE:

IVECO: 504042667. MITSUBISHI: M9T61671.

ZM 4-897 - Relé de Partida / Starter Relay

ZM 1-428 - Relé Auxiliar / Auxiliary Relay

Lançamento em breve



ZM 80.890.03

24v

24V (R) 5,5kW M9T6

APLICAÇÃO / USED ON:

VOLKSWAGEN: Caminhão.

SUBSTITUI / REPLACE:

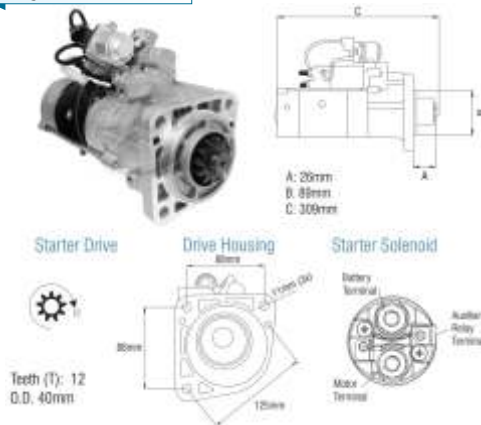
MITSUBISHI: M9T62572ZA.

ZM 3-897 - Relé de Partida / Starter Relay

ZM 1-408 - Relé Auxiliar / Auxiliary Relay



Lançamento em breve



ZM 80.890.04

24v

24V (R) 5,5kW M9T6

APLICAÇÃO / USED ON:

VOLVO: Escavadeira, Motores Estacionários.

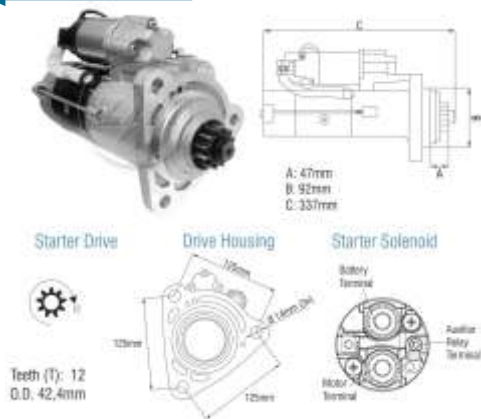
SUBSTITUI / REPLACE:

MITSUBISHI: M9T62671. VOLVO: 1182315, 1182759, 1183286, 20880693, 21133741, 3801274, 3803939, 3803979.

ZM 3-897 - Relé de Partida / Starter Relay

ZM 2-408 - Relé Auxiliar / Auxiliary Relay

Lançamento em breve



ZM 80.840.01

24v

24V (R) 7,0kW M9T8

APLICAÇÃO / USED ON:

MERCEDES-BENZ: Actros 1831, Actros 1832, Actros 1835, Actros 1836, Actros 1840, Actros 1841, Actros 1843, Actros 1844, Actros 1846, Actros 1848, Actros 1850, Actros 1851, Actros 1853, Actros 1854, Actros 1857, Actros 1858, Actros 1860, Actros 2031, Actros 2032, Actros 2035, Actros 2036, Actros 2040, Actros 2041, Actros 2043, Actros 2044, Actros 2046, Actros 2048, Actros 2050, Actros 2051, Actros 2053, Actros 2531, Actros 2532, Actros 2535, Actros 2536, Actros 2540, Actros 2541, Actros 2543, Actros 2544, Actros 2546, Actros 2548, Actros 2551, Actros 2553, Actros 2555, Actros 2557, Actros 2631, Actros 2632, Actros 2635, Actros 2636, Actros 2640, Actros 2641, Actros 2643, Actros 2644, Actros 2646, Actros 2648, Actros 2650, Actros 2651, Actros 2653, Actros 2654, Actros 2655, Actros 2657, Actros 2658, Actros 3231, Actros 3232, Actros 3235, Actros 3240, Actros 3241, Actros 3243, Actros 3246, Actros 3331, Actros 3332, Actros 3335, Actros 3336, Actros 3340, Actros 3341, Actros 3343, Actros 3344, Actros 3346, Actros 3348, Actros 3350, Actros 3351, Actros 3353, Actros 3354, Actros 3355, Actros 3357, Actros 4140, Actros 4141, Actros 4143, Actros 4144, Actros 4146, Actros 4148, Actros 4151, Axor, Integro, Travego.

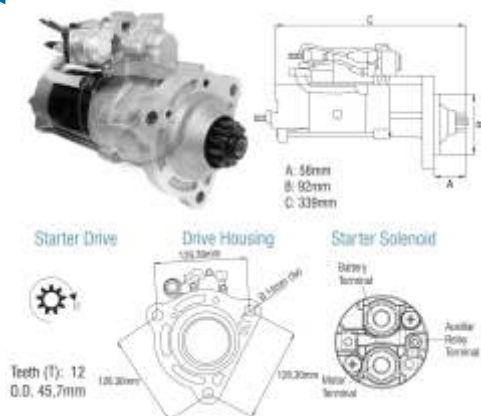
SUBSTITUI / REPLACE:

MERCEDES-BENZ: 0 051 516 401, 0 061 511 501, 0 061 516 901. MITSUBISHI: M9T80472.

ZM 842 - Relé de Partida / Starter Relay

ZM 3-428 - Relé Auxiliar / Auxiliary Relay

Lançamento em breve



ZM 80.840.02

24v

24V (R) 7,0kW M9T8

APLICAÇÃO / USED ON:

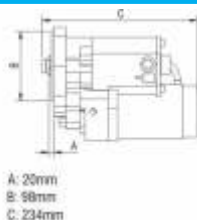
VOLVO: B12, FH12, FM 12.

SUBSTITUI / REPLACE:

MITSUBISHI: M9T82171. VOLVO: 20430564, 20572417, 85000087.

ZM 842 - Relé de Partida / Starter Relay

ZM 2-428 - Relé Auxiliar / Auxiliary Relay



ZM 80.140.01

12v

12V (R) 2,0kW OSGR

APLICAÇÃO / USED ON:

ASIA MOTORS: Rocsta Sportage. FORD: EcoNovan. KIA MOTORS: Besta, Sportage. MAZDA: 323, 626, B 2200, E 2200. SUZUKI: Grand Vitara, Vitara.

SUBSTITUI / REPLACE:

ASIA MOTORS: K71118400. KIA: 0K71118400, 0K71118400B, 0K71118400C, AA30118400. MAZDA: RF01-18-400, RF01-18-400A, RF01-18-400B, RF01-18-400C. NIPPONDENSO: 128000-0040, 228000-3840, 228000-3841, 228000-3842. POONGSUNG: 031013050, 031013051. SUZUKI: 3110077E90, 3110077E91.

Starter Drive Drive Housing

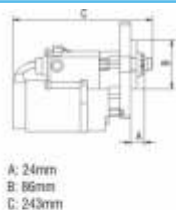
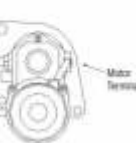
Starter Solenoid



Teeth (T): 9
O.D. 28.9mm



Fast on Terminal (6.3mm) Ignition



ZM 80.140.02

12v

12V (R) 2,2kW OSGR

APLICAÇÃO / USED ON:

KIA MOTORS: Besta.

SUBSTITUI / REPLACE:

ASIA MOTORS: K71F18400. KIA: 0K71F18400. NIPPONDENSO: 03111-4020.

Starter Drive

Drive Housing

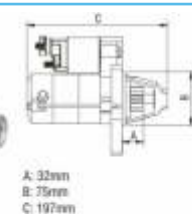
Starter Solenoid



Teeth (T): 11
O.D. 34.4mm



Fast on Terminal (6.3mm) Ignition



ZM 80.705.01

12v

12V (R) 0,8kW PMGR

APLICAÇÃO / USED ON:

HONDA: Civic.

SUBSTITUI / REPLACE:

HONDA: 31200-PLR-A01, 31200-PLR-A02, DJDE4, DSDEU. NIPPONDENSO: 228000-9641, 428000-0320, 428000-0321.

ZM 2-705 - Relé de Partida / Starter Relay

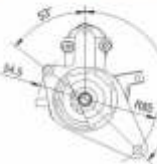
Starter Drive

Drive Housing

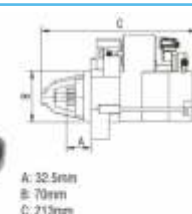
Starter Solenoid



Teeth (T): 9
O.D. 28.8mm



Fast on Terminal (6.3mm) Ignition



ZM 80.705.02

12v

12V (R) 0,8kW PMGR

APLICAÇÃO / USED ON:

HONDA: Fit.

SUBSTITUI / REPLACE:

HONDA: 31200-PWA-901, 31200-PWA-901RM, DSKEF. NIPPONDENSO: 428000-3390.

ZM 6-705 - Relé de Partida / Starter Relay

Starter Drive

Drive Housing

Starter Solenoid

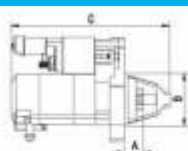


Teeth (T): 9
O.D. 28.8mm



Fast on Terminal (6.3mm) Ignition





A: 32mm
B: 70mm
C: 213mm

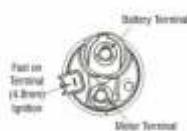
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 28.5mm



ZM 80.705.03

12v

12V (R) 0,8kW PMGR

APLICAÇÃO / USED ON:

HONDA: Civic.

SUBSTITUI / REPLACE:

HONDA: 31200-RNA-A01, 31200-RNA-A01RM, 31200-RNA-A11, 31200-RNA-A11RM, DS4R5, DS4RC, DS4RD.
NIPPONDENSO: 428000-3410, 428000-5280.

ZM 3-705 - Relé de Partida / Starter Relay



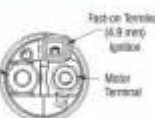
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.1 mm



ZM 80.480.01

12v

12V (R) 3.0kW M93R

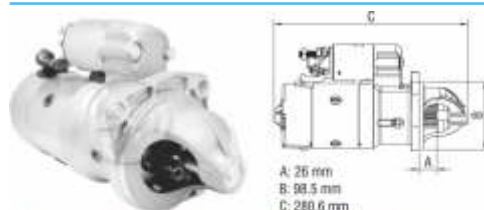
APLICAÇÃO / USED ON:

FORD: Cargo 1417, Cargo 1617, Cargo 1621, Cargo 815, Cargo C 1217, Cargo C 1421.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259870, 35262710.

ZM 1-482 - Relé de Partida / Starter Relay



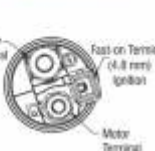
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 24.8 mm



ZM 80.480.02

12v

12V (R) 3.0 kW M93R

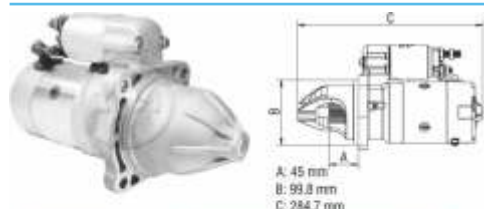
APLICAÇÃO / USED ON:

FORD: F 100, F 1000, F 14000, F 150, F 250, F 3500, F 4000, F 7000. GM-CHEVROLET: D 20.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259750.

ZM 4-482 - Relé de Partida / Starter Relay



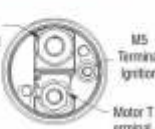
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.1 mm



ZM 80.480.03

12v

12V (R) 3.0kW M93R

APLICAÇÃO / USED ON:

VOLKSWAGEN: 13-190, 15-190, 17-210, 23-210.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259640.

ZM 5-485 - Relé de Partida / Starter Relay



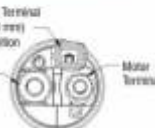
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.1 mm



ZM 80.480.04

12v

12V (R) 3.0 kW M93R

APLICAÇÃO / USED ON:

FORD: Cargo.

SUBSTITUI / REPLACE:

PRESTOLITE: 35261120, 35262580.

ZM 1-482 - Relé de Partida / Starter Relay



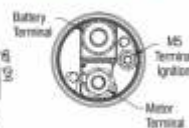
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.6 mm



ZM 80.480.05

12v

12V (R) 3.0 kW M93R

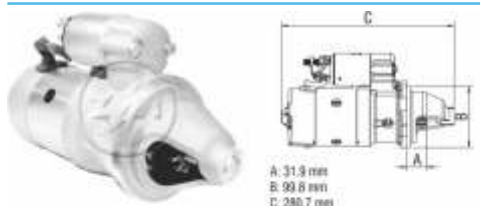
APLICAÇÃO / USED ON:

VOLKSWAGEN: 13-150, 13-180, 15-180, 17-210, 23-210, 7.10, 8-120, 8-150, Ônibus 16.210, Ônibus 17.2100D, Ônibus 17.2400T, Ônibus 8.1500D, Ônibus 9.1500D.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259430. VOLKSWAGEN: 2R0911023A, TJG911023B.

ZM 5-485 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.6 mm



ZM 80.480.06

12v

12V (R) 3.0 kW M93R

APLICAÇÃO / USED ON:

FORD: F 250, F 350, F 4000.

SUBSTITUI / REPLACE:

PRESTOLITE: 35262570.

ZM 4-482 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.1 mm



ZM 80.480.07

12v

12V (R) 3.0 kW M93R

APLICAÇÃO / USED ON:

JOHN DEERE: Colheitadeira 1165, Colheitadeira 1175, Colheitadeira 1450, Trator 7500.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259390, 35259600.

ZM 1-485 - Relé de Partida / Starter Relay



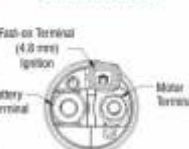
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.1 mm



ZM 80.480.08

12v

12V (R) 3.0 kW M93R

APLICAÇÃO / USED ON:

DIMEX: Ônibus. INTERNATIONAL: Power Stroke turbo. ZANELLO: Tractor 230, Trator 250.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259620.

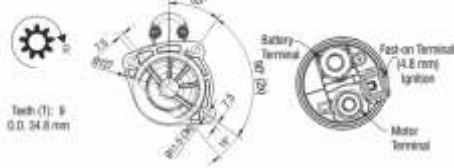
ZM 1-485 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.480.09

12v

12V (R) 3.0 kW M93R

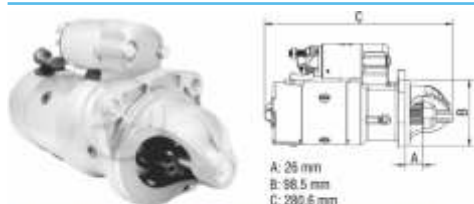
APLICAÇÃO / USED ON:

AGRALE: 5075, 5085.

SUBSTITUI / REPLACE:

PRESTOLITE: 35261355.

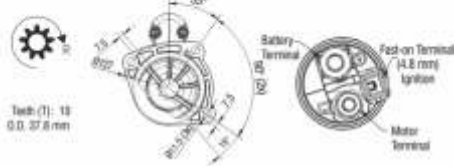
ZM 4-482 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.480.10

12v

12V (R) 3.0 kW M93R

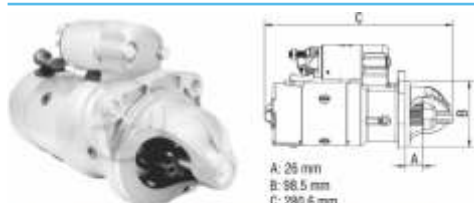
APLICAÇÃO / USED ON:

AGRALE: 7500, 8000, 8500, 9200.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259760.

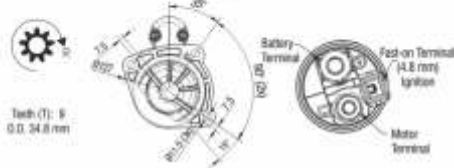
ZM 4-482 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.480.11

12v

12V (R) 3.0 kW M93R

APLICAÇÃO / USED ON:

CNH: Línea TL 100, Línea TL 70, Línea TL 80, Línea TL 90, Línea TL Exitus TL55E, Línea TL Exitus TL65E, Línea TL Exitus TL85E, Línea TL Exitus TL95E, Línea TL Frutteto TL55F, Línea TL Frutteto TL65F, Línea TL Frutteto TL75F.

SUBSTITUI / REPLACE:

PRESTOLITE: 35261425.

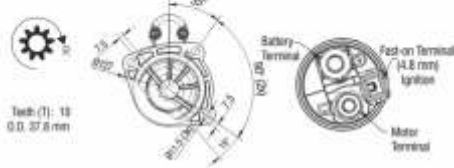
ZM 4-482 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.480.12

12v

12V (R) 3.0 kW M93R

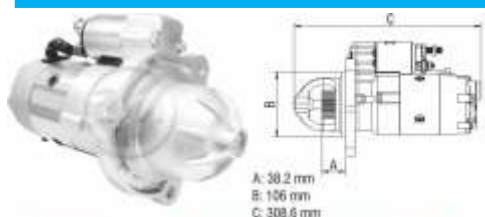
APLICAÇÃO / USED ON:

AGRALE: MWM Série X-10 Y 229.

SUBSTITUI / REPLACE:

PRESTOLITE: 35261360.

ZM 4-482 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 48.3 mm



ZM 80.481.01

12v

12V (R) 4.0 kW M100R

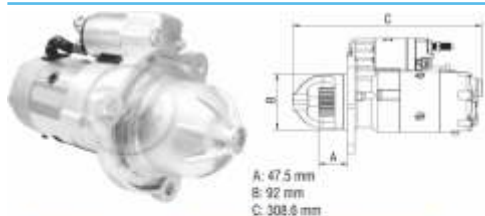
APLICAÇÃO / USED ON:

VOLKSWAGEN: 17-220, 17-310, 18-310 Titan Tractor, 23-220, 23-310, 26-220, 26-260, 26-310.

SUBSTITUI / REPLACE:

PRESTOLITE: 35261135.

ZM 5-485 - Relé de Partida / Starter Relay



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 48.3 mm



ZM 80.481.02

12v

12V (R) 4.0 kW M100R

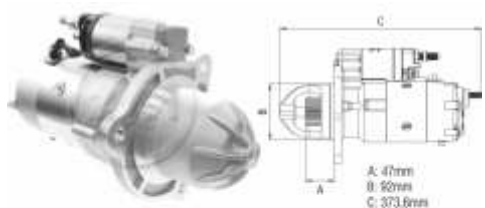
APLICAÇÃO / USED ON:

FORD: Cargo 1622, Cargo 2422, Cargo 2425, Cargo 2630.

SUBSTITUI / REPLACE:

FORD: 96HU11001-AA. PRESTOLITE: 35260870.

ZM 486 - Relé de Partida / Starter Relay



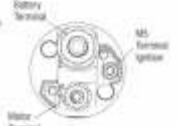
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 46.3mm



ZM 80.481.03

12v

12V (R) 5.0 kW M100R

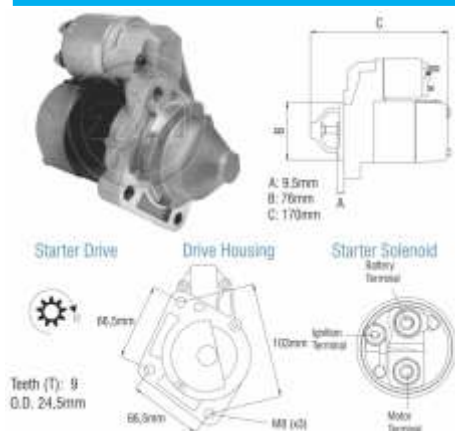
APLICAÇÃO / USED ON:

INTERNATIONAL: Heavy Duty Bus 3000 Series, Heavy Duty Bus 3900 Series, Heavy Duty Truck 7100 Series, Heavy Duty Truck 7700 Series, Heavy Duty Truck 8100 Series, Heavy Duty Truck 8600 Series, Medium Truck 2554 Series, Medium Truck 2564 Series, Medium Truck 2654 Series, Medium Truck 4000 Series, Medium Truck 4900 Series, Navistar.

SUBSTITUI / REPLACE:

PRESTOLITE: 35259730.

ZM 486 - Relé de Partida / Starter Relay



ZM 80.201.08

12v

12V (R) 1,1kW

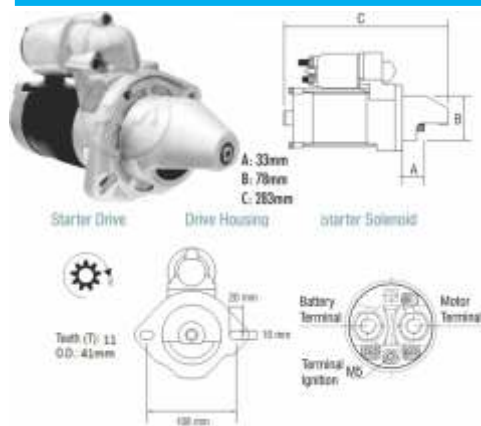
APLICAÇÃO / USED ON:

FORD: Courier, Ecosport, Escort, Fiesta, Ka.

SUBSTITUI / REPLACE:

VALEO: D7E33.

ZM 498 - Relé de Partida / Starter Relay



ZM 80.130.07

12v

12V (R) 2,6kW EV

APLICAÇÃO / USED ON:

TRAMONTINI: Aplicação: Tratores T3230-4 Série Brasil; T5045 Série Brasil.

SUBSTITUI / REPLACE:

ZM: 81.130.02.

ZM 1-735 - Relé de Partida / Starter Relay



M. PARTIDA STARTER	Nº ZM. ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM. ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM. ZM Nr.	Pag. Page
ASIA MOTORS			BOSCH			DELCO REMY		
K71118400	80.140.01	D- 001	9.000.083.065	80.103.02	A- 005	10461474	80.280.13	B- 004
K71F18400	80.140.02	D- 001	9.000.083.065	80.103.05	A- 006	10461486	80.280.10	B- 003
BOBCAT			9.000.083.069	80.102.17	A- 004	10461769	80.380.03	B- 007
6651258	80.280.12	B- 003	9.000.083.071	80.102.05	A- 004	10462469	80.280.10	B- 003
6651664	80.280.12	B- 003	9.000.083.072	80.102.18	A- 005	10465026	80.280.01	B- 001
BOSCH			9.000.083.077	80.102.07	A- 004	10465043	80.280.01	B- 001
0.001.107.082	80.110.04	A- 012	9.000.083.082	80.102.04	A- 003	10465044	80.280.09	B- 003
0.001.109.250	80.110.02	A- 011	9.000.084.007	80.101.01	A- 001	10465046	80.280.09	B- 003
0.001.218.159	80.130.03	A- 007	9.000.084.012	80.101.02	A- 001	10465049	80.280.12	B- 003
0.001.218.168	80.130.01	A- 007	9.000.084.013	80.101.05	A- 002	10465050	80.280.12	B- 003
0.001.223.010	80.130.05	A- 008	9.000.084.019	80.101.03	A- 001	10465058	80.280.11	B- 003
0.001.223.013	80.130.02	A- 007	9.000.453.068	80.135.02	A- 002	10465407	80.280.01	B- 001
0.001.223.505	80.130.06	A- 008	9.000.453.074	80.102.06	A- 004	10479302	80.450.02	B- 006
0.001.231.002	80.130.04	A- 008	9.000.453.079	80.103.03	A- 005	10479605	80.280.03	B- 001
0.001.231.033	80.130.04	A- 008	9.000.453.079	80.103.06	A- 006	10479621	80.280.01	B- 001
0.001.241.001	80.137.01	A- 002	9.009.082.030	80.106.08	A- 010	10479623	80.280.10	B- 003
0.001.261.002	80.137.01	A- 002	9.009.082.033	80.106.05	A- 009	10479626	80.280.04	B- 001
0.001.358.048	80.102.02	A- 003	9.009.082.050	80.106.04	A- 009	10479634	80.280.13	B- 004
0.001.359.043	80.102.02	A- 003	9.009.082.055	80.106.04	A- 009	10479640	80.280.07	B- 002
0.001.359.084	80.102.02	A- 003	9.009.083.064	80.103.01	A- 005	10479643	80.280.07	B- 002
0.001.362.051	80.102.02	A- 003	9.009.083.064	80.103.04	A- 006	10479646	80.280.05	B- 002
0.001.367.054	80.102.02	A- 003	9.009.411.010	80.106.04	A- 009	10479650	80.130.04	A- 008
0.001.367.059	80.102.02	A- 003	9.009.451.011	80.106.08	A- 010	10479650	80.280.04	B- 001
0.001.367.300	80.102.02	A- 003	F.000.AL0.107	80.110.03	A- 012	10479651	80.280.05	B- 002
0.001.367.301	80.102.02	A- 003	F.000.AL0.111	80.978.01	A- 013	10479652	80.280.06	B- 002
0.001.367.303	80.102.02	A- 003	F.000.AL0.125	80.110.01	A- 011	10479654	80.280.08	B- 002
0.001.371.006	80.135.01	A- 002	F.000.AL0.128	80.132.01	A- 007	1113273	80.280.11	B- 003
0.001.410.015	80.101.04	A- 001	F.000.AL0.300	80.115.02	A- 012	1113275	80.280.09	B- 003
0.001.410.016	80.101.04	A- 001	F.000.AL0.304	80.115.01	A- 012	1113276	80.280.01	B- 001
0.001.410.041	80.101.04	A- 001	F.000.AL0.309	80.115.03	A- 013	1113277	80.280.02	B- 001
0.001.417.017	80.101.04	A- 001	F.000.AL0.329	80.115.05	A- 013	1113278	80.280.09	B- 003
0.001.417.036	80.101.04	A- 001	F.000.AL0.401	80.125.01	A- 011	1113281	80.280.12	B- 003
0.986.011.240	80.102.02	A- 003	F.000.AL0.414	80.125.01	A- 011	1113282	80.280.12	B- 003
0.986.011.440	80.101.04	A- 001	F.000.AL0.502	80.120.01	A- 011	1113291	80.280.10	B- 003
0.986.012.940	80.103.01	A- 005	F.000.AL0.507	80.120.01	A- 011	1113593	80.280.01	B- 001
0.986.012.940	80.103.04	A- 006	SR923X	80.102.02	A- 003	19026028	80.380.03	B- 007
0.986.013.480	80.102.02	A- 003	CASE			19026029	80.380.03	B- 007
0.986.021.480	80.137.01	A- 002	4500732891	80.280.12	B- 003	19026030	80.380.02	B- 006
9.000.081.001	80.110.01	A- 011	596493892	80.280.12	B- 003	19070039	80.280.04	B- 001
9.000.081.002	80.110.01	A- 011	75259789	80.280.08	B- 002	1988708	80.280.01	B- 001
9.000.081.006	80.120.01	A- 011	9800888	80.280.11	B- 003	1990483	80.456.01	B- 007
9.000.081.007	80.120.01	A- 011	E067184	80.101.02	A- 001	1993874	80.450.01	B- 006
9.000.082.033	80.106.05	A- 009	E155737	80.103.01	A- 005	1998408	80.280.01	B- 001
9.000.082.036	80.106.02	A- 009	E155737	80.103.04	A- 006	1998423	80.280.01	B- 001
9.000.082.039	80.106.06	A- 010	CATERPILLAR			1998456	80.280.01	B- 001
9.000.082.040	80.106.06	A- 010	2Y1920	80.101.01	A- 001	1998457	80.280.01	B- 001
9.000.082.045	80.106.08	A- 010	CITROËN			1998490	80.280.01	B- 001
9.000.082.046	80.106.01	A- 008	5802V4	80.130.03	A- 007	1998506	80.280.01	B- 001
9.000.082.046	80.106.07	A- 010	5802Z0	80.130.02	A- 007	8200000	80.380.02	B- 006
9.000.082.047	80.106.07	A- 010	CLAAS			8200003	80.290.01	B- 004
9.000.082.050	80.106.04	A- 009	1053560	80.102.02	A- 003	8200004	80.291.01	B- 005
9.000.082.058	80.106.03	A- 009	6853810	80.102.02	A- 003	8200005	80.380.03	B- 007
9.000.082.063	80.106.02	A- 009	CUMMINS			82000168	80.130.04	A- 008
9.000.082.077	80.106.01	A- 008	3604648RX	80.280.01	B- 001	8200025	80.380.03	B- 007
9.000.083.014	80.102.01	A- 003	3604677RX	80.280.10	B- 003	8200053	80.380.01	B- 006
9.000.083.027	80.102.01	A- 003	3675204RX	80.280.02	B- 001	8200072	80.380.02	B- 006
9.000.083.028	80.102.02	A- 003	3916854	80.280.01	B- 001	8200138	80.291.02	B- 005
9.000.083.029	80.102.01	A- 003	3918377	80.280.02	B- 001	8200295	80.280.05	B- 002
9.000.083.035	80.102.03	A- 003	3926932	80.280.02	B- 001	8200295	80.290.01	B- 004
9.000.083.036	80.102.04	A- 003	3936148	80.280.07	B- 002	8200296	80.280.06	B- 002
9.000.083.053	80.102.01	A- 003	DELCO REMY			8200296	80.291.01	B- 005
9.000.083.054	80.102.02	A- 003	10461445	80.280.11	B- 003	8200297	80.130.04	A- 008
9.000.083.054	80.132.01	A- 007	10461446	80.280.09	B- 003	8200297	80.291.02	B- 005
9.000.083.055	80.102.03	A- 003	10461447	80.280.09	B- 003	8200326	80.290.02	B- 004
9.000.083.056	80.102.04	A- 003	10461450	80.280.12	B- 003	8200331	80.290.03	B- 004
9.000.083.063	80.103.07	A- 006	10461451	80.280.12	B- 003	8200356	80.380.03	B- 007
9.000.083.064	80.103.01	A- 005	10461461	80.280.03	B- 001	8200357	80.291.03	B- 005
9.000.083.064	80.103.04	A- 006	10461470	80.280.04	B- 001	8200474	80.291.04	B- 005



M. PARTIDA STARTER	Nº ZM. ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM. ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM. ZM Nr.	Pag. Page
DELCO REMY			HYSTER			MERCEDES-BENZ		
8200478	80.290.03	B- 004	2314322	80.106.21	A- 010	0 031 511 301	80.103.01	A- 005
8200486	80.380.01	B- 006	3042511	80.280.12	B- 003	0 031 511 301	80.103.04	A- 006
8200511	80.290.01	B- 004	313394	80.280.09	B- 003	0 031 516 601	80.101.04	A- 001
8200512	80.291.01	B- 005	IVECO			0 031 517 301	80.102.02	A- 003
8300005	80.380.03	B- 007	1329201080	80.130.02	A- 007	0 031 518 701	80.102.02	A- 003
8300025	80.380.02	B- 006	504042667	80.890.02	C- 001	0 041 512 201	80.102.02	A- 003
DRS 5134	80.280.01	B- 001	8029647	80.130.02	A- 007	0 041 518 401	80.130.04	A- 008
FAUN			KHD			0 041 518 401	80.280.04	B- 001
1701054	80.102.02	A- 003	0144 44 07 25	80.101.04	A- 001	0 051 512 001	80.130.04	A- 008
FIAT			116 2639	80.101.04	A- 001	0 051 512 001	80.280.04	B- 001
130019808	80.130.03	A- 007	336 0745	80.101.04	A- 001	0 051 516 401	80.840.01	C- 002
1329201080	80.130.02	A- 007	D8R 24X6 H7623	80.101.04	A- 001	0 061 511 501	80.840.01	C- 002
1349920080	80.130.02	A- 007	KIA			0 061 512 201	80.130.04	A- 008
46521786	80.115.02	A- 012	0K71118400	80.140.01	D- 001	0 061 512 201	80.280.04	B- 001
46758240	80.130.02	A- 007	0K71118400B	80.140.01	D- 001	0 061 512 203	80.130.04	A- 008
50001602	80.106.06	A- 010	0K71118400C	80.140.01	D- 001	0 061 512 203	80.280.04	B- 001
50004908	80.110.01	A- 011	0K71F18400	80.140.02	D- 001	0 061 516 901	80.840.01	C- 002
75019950	80.106.06	A- 010	AA30118400	80.140.01	D- 001	3 431 517 001	80.102.01	A- 003
75207601	80.103.01	A- 005	KOMATSU			3 431 517 101	80.102.02	A- 003
75207601	80.103.04	A- 006	1268855H91	80.280.10	B- 003	3 431 517 201	80.103.01	A- 005
80296470	80.130.02	A- 007	1283272H91	80.280.12	B- 003	3 431 517 201	80.103.04	A- 006
FORD			6107214	80.103.07	A- 006	3 431 517 301	80.103.07	A- 006
5479-11023-D	80.110.01	A- 011	KÄSSBOHRER			3 441 510 501	80.102.05	A- 004
96HU11001-AA	80.481.02	E- 004	7 431 023 000	80.101.04	A- 001	3 441 517 301	80.103.07	A- 006
BF5T-11001-AA	80.130.01	A- 007	7 431 027 000	80.103.01	A- 005	3 441 517 401	80.103.02	A- 005
ERR5009	80.130.01	A- 007	7 431 027 000	80.103.04	A- 006	3 441 517 401	80.103.05	A- 006
F3HT-11001-DB	80.280.12	B- 003	LANCIA			A 0 011 519 401	80.102.02	A- 003
F3HT-11001-DC	80.280.12	B- 003	130019808	80.130.03	A- 007	A 0 021 519 401	80.102.02	A- 003
F3HZ-11002-B	80.280.12	B- 003	46521786	80.115.02	A- 012	A 0 031 510 501	80.102.02	A- 003
F4HT-11001-BA	80.280.12	B- 003	50001602	80.106.06	A- 010	A 0 031 517 301	80.102.02	A- 003
F7HT-11001-AC	80.280.13	B- 004	75019950	80.106.06	A- 010	A 0 031 518 701	80.102.02	A- 003
F7HZ-11002-AB	80.280.13	B- 004	LESTER			A 0 041 512 201	80.102.02	A- 003
NAN500210	80.130.01	A- 007	16408	80.106.04	A- 009	A 0 041 515 801	80.102.02	A- 003
NNN500210	80.130.01	A- 007	17106	80.102.02	A- 003	A 0 051 517 601	80.280.04	B- 001
SA-803	80.280.12	B- 003	6571	80.280.11	B- 003	A 0 051 518 301	80.280.05	B- 002
TAR-911023	80.103.03	A- 005	6573	80.280.01	B- 001	A 0 051 518 501	80.280.06	B- 002
TAR-911023	80.103.06	A- 006	6574	80.280.02	B- 001	A 3 431 517 201	80.103.01	A- 005
TJB-911023B	80.102.07	A- 004	6576	80.280.12	B- 003	A 3 431 517 201	80.103.04	A- 006
TJG-911023D	80.102.06	A- 004	6582	80.280.10	B- 003	MITSUBISHI		
XC3U-11000-BA	80.130.05	A- 008	6584	80.280.09	B- 003	M000T84381	80.106.21	A- 010
XC3U-11000-CA	80.130.06	A- 008	6594	80.280.03	B- 001	M002T87671	80.993.01	C- 001
XC45-11001-CA	80.102.06	A- 004	6603	80.280.13	B- 004	M9T61171	80.380.02	B- 006
ZBA 911 023A	80.106.08	A- 010	6605	80.280.04	B- 001	M9T61171	80.890.01	C- 001
ZBC 911 023	80.106.04	A- 009	MAN			M9T61671	80.890.02	C- 001
GM			36262016003	80.130.04	A- 008	M9T62572ZA	80.890.03	C- 001
52257049	80.106.02	A- 009	MASSEY FERGUSON			M9T62671	80.890.04	C- 002
52270037	80.106.02	A- 009	1903103M91	80.280.12	B- 003	M9T80472	80.840.01	C- 002
93209031	80.102.03	A- 003	1903117M91	80.280.12	B- 003	M9T82171	80.380.02	B- 006
94626808	80.106.05	A- 009	517533M93	80.280.12	B- 003	M9T82171	80.840.02	C- 002
94628321	80.106.02	A- 009	579937M91	80.280.12	B- 003	MWM		
GM-CHEVROLET			MAXION			9 0572 01 0 074	80.102.04	A- 003
52270037	80.106.03	A- 009	191068M94	80.102.18	A- 005	9 0572 01 0 080	80.103.03	A- 005
HONDA			2834390M91	80.102.03	A- 003	9 0572 01 0 080	80.103.06	A- 006
31200-PLR-A01	80.705.01	D- 001	74156	80.102.03	A- 003	9 0592 01 0 0077	80.102.17	A- 004
31200-PLR-A02	80.705.01	D- 001	ERR5009A	80.130.01	A- 007	905720100079	80.102.07	A- 004
31200-PWA-901	80.705.02	D- 001	MAZDA			NIPPONDENSO		
31200-PWA-901RM	80.705.02	D- 001	FFSC-18-400	80.106.21	A- 010	03111-4020	80.140.02	D- 001
31200-RNA-A01	80.705.03	D- 002	FFSC-18-400A	80.106.21	A- 010	128000-0040	80.140.01	D- 001
31200-RNA-A01RM	80.705.03	D- 002	FFSO-18-400	80.106.21	A- 010	228000-3840	80.140.01	D- 001
31200-RNA-A11	80.705.03	D- 002	RF01-18-400	80.140.01	D- 001	228000-3841	80.140.01	D- 001
31200-RNA-A11RM	80.705.03	D- 002	RF01-18-400A	80.140.01	D- 001	228000-3842	80.140.01	D- 001
DJDE4	80.705.01	D- 001	RF01-18-400B	80.140.01	D- 001	228000-9641	80.705.01	D- 001
DS4R5	80.705.03	D- 002	RF01-18-400C	80.140.01	D- 001	428000-0320	80.705.01	D- 001
DS4RC	80.705.03	D- 002	MERCEDES-BENZ			428000-0321	80.705.01	D- 001
DS4RD	80.705.03	D- 002	0 011 513 901	80.101.04	A- 001	428000-3390	80.705.02	D- 001
DSDEU	80.705.01	D- 001	0 011 519 401	80.102.02	A- 003	428000-3410	80.705.03	D- 002
DSKEF	80.705.02	D- 001	0 021 519 401	80.102.02	A- 003	428000-5280	80.705.03	D- 002
HYSTER			0 031 510 501	80.102.02	A- 003	PEUGEOT		



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PEUGEOT			VALEO					
5802V4	80.130.03	A- 007	36100-42350	80.201.04	F- 001			
5802Z0	80.130.02	A- 007	432622	80.201.01	F- 001			
PIC			D6RA133	80.201.01	F- 001			
102-234	80.106.04	A- 009	D6RA162	80.201.03	F- 001			
120-024	80.106.03	A- 009	D7E33	80.201.08	F- 002			
120-150A	80.106.02	A- 009	D9E140	80.201.02	F- 001			
120-5073	80.106.06	A- 010	VALMET					
120-514	80.102.02	A- 003	221 561	80.102.04	A- 003			
120-518	80.102.02	A- 003	803113	80.102.17	A- 004			
120-518B	80.102.02	A- 003	VOLKSWAGEN					
120-518C	80.102.02	A- 003	004053778	80.102.04	A- 003			
120-524	80.102.02	A- 003	026911023	80.106.04	A- 009			
120-6087D	80.101.02	A- 001	026911023B	80.106.04	A- 009			
120-6249	80.102.04	A- 003	026911023BX	80.106.04	A- 009			
140-903	80.280.03	B- 001	026911023X	80.106.04	A- 009			
140-917	80.280.02	B- 001	02T911023	80.201.02	F- 001			
140-919	80.280.10	B- 003	049911023G	80.106.04	A- 009			
140-920	80.280.01	B- 001	049911023GX	80.106.04	A- 009			
140-920A	80.280.13	B- 004	049911023H	80.106.04	A- 009			
140-921	80.280.11	B- 003	211910235	80.106.01	A- 008			
140-924	80.280.12	B- 003	2119110231	80.106.01	A- 008			
140-946	80.280.04	B- 001	211911023L	80.106.01	A- 008			
140-962	80.280.09	B- 003	2R0911023A	80.480.05	E- 002			
182-162	80.102.02	A- 003	2S0911023A	80.380.01	B- 006			
182-242	80.102.07	A- 004	2T0911023F	80.380.01	B- 006			
182-387	80.102.06	A- 004	3059110233	80.106.07	A- 010			
902-450	80.101.02	A- 001	377911023P	80.125.01	A- 011			
902-457	80.101.03	A- 001	5X39-11023	80.120.01	A- 011			
980-006	80.102.02	A- 003	622679	80.106.08	A- 010			
POONGSUNG			663396	80.106.01	A- 008			
031013050	80.140.01	D- 001	711908	80.106.07	A- 010			
031013051	80.140.01	D- 001	80303	80.110.01	A- 011			
PRESTOLITE			911910235	80.106.01	A- 008			
35258660	80.130.01	A- 007	TAR-911023	80.103.03	A- 005			
35259030	80.130.03	A- 007	TAR-911023	80.103.06	A- 006			
35259390	80.480.07	E- 002	TJB-911023B	80.102.07	A- 004			
35259400	80.130.01	A- 007	TJG-911023D	80.102.06	A- 004			
35259430	80.480.05	E- 002	TJG911023B	80.480.05	E- 002			
35259600	80.480.07	E- 002	ZBA 911 023A	80.106.08	A- 010			
35259620	80.480.08	E- 002	VOLVO					
35259640	80.480.03	E- 001	1182315	80.890.04	C- 002			
35259730	80.481.03	E- 004	1182759	80.890.04	C- 002			
35259750	80.480.02	E- 001	1183286	80.890.04	C- 002			
35259760	80.480.10	E- 003	12709015	80.103.01	A- 005			
35259870	80.480.01	E- 001	12709015	80.103.04	A- 006			
35259890	80.130.05	A- 008	20430564	80.840.02	C- 002			
35260870	80.481.02	E- 004	20430564	80.890.01	C- 001			
35261120	80.480.04	E- 001	20572417	80.840.02	C- 002			
35261135	80.481.01	E- 004	20572417	80.890.01	C- 001			
35261355	80.480.09	E- 003	20880693	80.890.04	C- 002			
35261360	80.480.12	E- 003	21133741	80.890.04	C- 002			
35261425	80.480.11	E- 003	3801274	80.890.04	C- 002			
35262570	80.480.06	E- 002	3803939	80.890.04	C- 002			
35262580	80.480.04	E- 001	3803979	80.890.04	C- 002			
35262710	80.480.01	E- 001	467919	80.101.03	A- 001			
ROVER			6886461	80.101.03	A- 001			
ERR5009	80.130.01	A- 007	85000087	80.840.02	C- 002			
NAN500210	80.130.01	A- 007	85000087	80.890.01	C- 001			
SCANIA			YALE					
1357709	80.135.01	A- 002	9181396-00	80.106.21	A- 010			
1447911	80.137.01	A- 002	ZM					
64254	80.101.02	A- 001	81.130.02	80.130.07	G- 001			
64513	80.101.05	A- 002						
SUZUKI								
3110077E90	80.140.01	D- 001						
3110077E91	80.140.01	D- 001						
TOYOTA								
28100-67070	80.978.01	A- 013						



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ARG. Dicumar	6BT-F700	-	-	DELCO REMY	80.280.01	B- 001
AGRALE		de /from	até /until	M.Part./Starter	ZM	Pag.
1800 D	com motor D 229-4	10/1988	12/1998	BOSCH	80.102.17	A- 004
5000		-	-	BOSCH	80.102.04	A- 003
5075	com motor BX 150 TD229-4	-	-	PRESTOLITE	80.480.09	E- 003
5085	com motor BX 150 TD229-4	-	-	PRESTOLITE	80.480.09	E- 003
6000		-	-	BOSCH	80.102.04	A- 003
7000		-	-	BOSCH	80.102.04	A- 003
7000 DX		09/1996	-	BOSCH	80.102.07	A- 004
7000 TDX		09/1996	-	BOSCH	80.102.07	A- 004
7500	com motor MWM 4.10 TCA	-	-	PRESTOLITE	80.480.10	E- 003
8000	com Motor 4.10 TCA	-	-	PRESTOLITE	80.480.10	E- 003
8500	com motor MWM 4.10 TCA	-	-	PRESTOLITE	80.480.10	E- 003
8500 TDX		-	-	BOSCH	80.102.07	A- 004
9200	com motor MWM 4.10 TCA	-	-	PRESTOLITE	80.480.10	E- 003
BX		-	-	BOSCH	80.102.04	A- 003
MWM Série X-10 Y 229	MWM Série X-10 y 229	-	-	PRESTOLITE	80.480.12	E- 003
TX1600	com motor D 229-3	09/1983	09/1985	BOSCH	80.102.17	A- 004
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BX 4.60		08/1990	-	BOSCH	80.102.01	A- 003
BX 60		08/1990	-	BOSCH	80.102.01	A- 003
MA 7.5 T		09/1996	-	BOSCH	80.102.07	A- 004
ASIA MOTORS		de /from	até /until	M.Part./Starter	ZM	Pag.
Rocsta Sportage	com motor 2.2 D	07/1993	12/1998	DENSO	80.140.01	D- 001
	com motor 2.2 D 4x4	06/1993	-	DENSO	80.140.01	D- 001
AUDI		de /from	até /until	M.Part./Starter	ZM	Pag.
100		-	-	BOSCH	80.106.04	A- 009
80		-	-	BOSCH	80.106.04	A- 009
Coupe		-	-	BOSCH	80.106.04	A- 009
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Articulated Loaders	1600 with Kubota V1702 Dsl	-	-	DELCO REMY	80.280.11	B- 003
Skid Steer Loaders	641 with F2L511 Deutz diesel engine	-	-	DELCO REMY	80.280.12	B- 003
	643 Kubota D1402BA diesel engine	-	-	DELCO REMY	80.280.11	B- 003
	741 with F2L511D Deutz diesel engine	-	-	DELCO REMY	80.280.12	B- 003
	743 Kubota V1702BA diesel engine	-	-	DELCO REMY	80.280.11	B- 003
	743B Kubota V1702BA diesel engine	-	-	DELCO REMY	80.280.11	B- 003
	753 Kubota V2203B diesel engine	-	-	DELCO REMY	80.280.11	B- 003
	7753 Kubota V2203B diesel engine	-	-	DELCO REMY	80.280.11	B- 003
	843B with 4JB1PK-01 Isuzu diesel engine	-	-	DELCO REMY	80.280.12	B- 003
	843HC with 4JB1PK-01 Isuzu diesel engine	-	-	DELCO REMY	80.280.12	B- 003
	853 with 4JB1PK-03 Isuzu diesel engine	-	-	DELCO REMY	80.280.12	B- 003
	980 with 4BT3.9L Cummins diesel engine	-	-	DELCO REMY	80.280.12	B- 003
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80		-	-	BOSCH	80.102.04	A- 003
Colheitadeira de Algodão	1822 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	1822 com motor 6-590	-	-	DELCO REMY	80.380.03	B- 007
	1822 com motor 6-830	-	-	DELCO REMY	80.380.03	B- 007
	1822 com motor 6TA-830	-	-	DELCO REMY	80.380.03	B- 007
	1844 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	1844 com motor 6-590	-	-	DELCO REMY	80.380.03	B- 007
	1844 com motor 6-830	-	-	DELCO REMY	80.380.03	B- 007
	1844 com motor 6TA-830	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-590	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-830	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6TA-830	-	-	DELCO REMY	80.380.03	B- 007
	2155 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007



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	2155 com motor 6-830	-	-	DELCO REMY	80.380.03	B- 007
	2155 com motor 6TA-830	-	-	DELCO REMY	80.380.03	B- 007
Colheitadeira de Grãos	1620 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1620 com motor DT436	-	-	DELCO REMY	80.380.03	B- 007
	1620 com motor DT466C	-	-	DELCO REMY	80.380.03	B- 007
	1640 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1640 com motor DT436	-	-	DELCO REMY	80.380.03	B- 007
	1640 com motor DT466C	-	-	DELCO REMY	80.380.03	B- 007
	1644 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1644 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1644 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	1666 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1666 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1666 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	1668 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1668 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1668 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	1670 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1670 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1670 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	1680 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1680 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1680 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	1688 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1688 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1688 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	1690 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	1690 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	1690 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	2144 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	2144 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	2144 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	2166 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	2166 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	2166 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	2188 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	2188 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	2188 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	2366 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	2366 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	2366 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
	2399 com motor DT 436	-	-	DELCO REMY	80.380.03	B- 007
	2399 com motor DT 466	-	-	DELCO REMY	80.380.03	B- 007
	2399 com motor DT 466C	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.380.03	B- 007
Crawlers	580 L	-	-	DELCO REMY	80.280.07	B- 002
	580 SE	-	-	DELCO REMY	80.280.07	B- 002
Tractor	1896 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	1896 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	1896 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	1896 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	1896 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	1896 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2055 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007



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Tractor	2055 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2090 com motor 504DB	-	-	DELCO REMY	80.380.03	B- 007
	2090 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2090 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2090 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2090 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2090 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2094 com motor 504DB	-	-	DELCO REMY	80.380.03	B- 007
	2094 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2094 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2094 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2094 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2094 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2096 com motor 504DB	-	-	DELCO REMY	80.380.03	B- 007
	2096 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2096 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2096 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2096 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2096 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2290 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2290 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2290 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2290 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2290 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2290 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2294 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2294 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2294 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2294 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2294 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2390 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2390 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2390 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2390 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2390 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2390 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2394 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2394 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2394 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2394 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2394 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2394 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2470 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2470 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2470 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2470 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2470 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2470 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2590 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2590 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2590 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2590 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2590 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2590 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2594 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2594 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2594 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2594 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2594 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007



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Tractor	2594 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2670 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2670 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2670 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2670 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2670 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2670 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	2870 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	2870 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	2870 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	2870 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	2870 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	2870 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	3294 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	3294 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	3294 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	3294 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	3294 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	3294 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	3394 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	3394 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	3394 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	3394 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	3394 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	3394 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	4490 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	4490 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	4490 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	4490 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	4490 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	4490 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	4494 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	4494 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	4494 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	4494 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	4494 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	4494 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	4690 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	4690 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	4690 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	4690 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	4690 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	4690 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	4694 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	4694 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	4694 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	4694 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	4694 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	4694 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	4890 com motor 504DB	-	-	DELCO REMY	80.380.03	B- 007
	4890 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	4890 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	4890 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	4890 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	4890 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	4894 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	4894 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	4894 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	4894 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007



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Tractor	4894 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	4894 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	4994 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	4994 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	4994 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	4994 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	4994 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	4994 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7110 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7110 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7110 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7110 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7110 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7110 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7120 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7120 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7120 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7120 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7120 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7120 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7130 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7130 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7130 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7130 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7130 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7130 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7140 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7140 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7140 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7140 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7140 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7140 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7210 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7210 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7210 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7210 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7210 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7210 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7220 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7220 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7220 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7220 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7220 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7220 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7230 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7230 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7230 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7230 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7230 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7230 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7240 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7240 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7240 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007
	7240 com motor 6-505	-	-	DELCO REMY	80.380.03 B- 007
	7240 com motor 6-674	-	-	DELCO REMY	80.380.03 B- 007
	7240 com motor 6T-590	-	-	DELCO REMY	80.380.03 B- 007
	7250 com motor 504BD	-	-	DELCO REMY	80.380.03 B- 007
	7250 com motor 6-359	-	-	DELCO REMY	80.380.03 B- 007
	7250 com motor 6-504	-	-	DELCO REMY	80.380.03 B- 007



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Tractor	7250 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	7250 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	7250 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	8930 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	8930 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	8930 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	8930 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	8930 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	8930 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9110 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9110 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9110 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9110 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9110 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9110 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9130 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9130 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9130 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9130 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9130 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9130 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9210 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9210 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9210 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9210 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9210 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9210 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9230 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9230 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9230 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9230 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9230 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9230 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9240 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9240 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9240 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9240 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9240 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9240 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9310 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9310 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9310 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9310 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9310 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9310 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
	9330 com motor 6-674	-	-	DELCO REMY	80.380.03	B- 007
	9330 com motor 504BD	-	-	DELCO REMY	80.380.03	B- 007
	9330 com motor 6-359	-	-	DELCO REMY	80.380.03	B- 007
	9330 com motor 6-504	-	-	DELCO REMY	80.380.03	B- 007
	9330 com motor 6-505	-	-	DELCO REMY	80.380.03	B- 007
	9330 com motor 6T-590	-	-	DELCO REMY	80.380.03	B- 007
Trator Magnum	MX220 com motor Cummins 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
	MX240 com motor Cummins 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
	MX270 com motor Cummins 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
W 18		06/1981	-	BOSCH	80.102.01	A- 003
W 18D		03/1993	09/1994	BOSCH	80.103.01	A- 005
		03/1993	09/1994	BOSCH	80.103.04	A- 006
W 18E		10/1994	-	BOSCH	80.103.01	A- 005
		10/1994	-	BOSCH	80.103.04	A- 006



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W 20		04/1975	05/1981	BOSCH	80.102.01	A- 003
W 20B		04/1981	-	BOSCH	80.102.01	A- 003
W 20E		05/1996	-	BOSCH	80.102.07	A- 004
		10/1994	-	BOSCH	80.103.01	A- 005
		10/1994	-	BOSCH	80.103.04	A- 006
W Series		-	-	BOSCH	80.101.02	A- 001
CATERPILLAR		de /from	até /until	M.Part./Starter	ZM	Pag.
100 Series		-	-	BOSCH	80.101.01	A- 001
3114		-	-	DELCO REMY	80.450.01	B- 006
3116		-	-	DELCO REMY	80.450.01	B- 006
3176		-	-	DELCO REMY	80.450.01	B- 006
3406		-	-	DELCO REMY	80.456.01	B- 007
3408		-	-	DELCO REMY	80.456.01	B- 007
3412		-	-	DELCO REMY	80.456.01	B- 007
900 Series		-	-	BOSCH	80.101.01	A- 001
D 320		-	-	DELCO REMY	80.456.01	B- 007
D Series		-	-	BOSCH	80.101.01	A- 001
CBT		de /from	até /until	M.Part./Starter	ZM	Pag.
1065		10/1976	12/1978	BOSCH	80.102.01	A- 003
1105		12/1974	12/1978	BOSCH	80.102.01	A- 003
2080		01/1979	12/1983	BOSCH	80.102.01	A- 003
2105		01/1979	03/1982	BOSCH	80.102.01	A- 003
8000 Series		-	-	BOSCH	80.102.03	A- 003
		-	-	BOSCH	80.102.04	A- 003
8060 4x4		01/1984	-	BOSCH	80.102.01	A- 003
CLARK		de /from	até /until	M.Part./Starter	ZM	Pag.
501		-	-	DELCO REMY	80.456.01	B- 007
75IV		-	-	DELCO REMY	80.456.01	B- 007
75III		-	-	DELCO REMY	80.456.01	B- 007
85A		-	-	DELCO REMY	80.456.01	B- 007
C500		-	-	DELCO REMY	80.456.01	B- 007
CNH		de /from	até /until	M.Part./Starter	ZM	Pag.
Línea TL 100	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL 70	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL 80	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL 90	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Exitus TL55E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Exitus TL65E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Exitus TL85E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Exitus TL95E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Frutteto TL55F	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Frutteto TL65F	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
Línea TL Frutteto TL75F	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	E- 003
CUMMINS		de /from	até /until	M.Part./Starter	ZM	Pag.
Engines	4B3.9	-	-	DELCO REMY	80.280.01	B- 001
		-	-	DELCO REMY	80.280.02	B- 001
	4BT3.9	-	-	DELCO REMY	80.280.01	B- 001
		-	-	DELCO REMY	80.280.02	B- 001
	6B5.9	-	-	DELCO REMY	80.280.01	B- 001
		-	-	DELCO REMY	80.280.02	B- 001
	6BT5.9	-	-	DELCO REMY	80.280.01	B- 001
		-	-	DELCO REMY	80.280.02	B- 001
	6BTAA	-	-	DELCO REMY	80.280.01	B- 001



CUMMINS		de /from	até /until	M.Part./Starter	ZM	Pag.
Engines	6BTAA	-	-	DELCO REMY	80.280.02	B- 001
Ingersoll Rand	110	-	-	DELCO REMY	80.280.01	B- 001
Ingersoll Rand	125	-	-	DELCO REMY	80.280.01	B- 001
Ingersoll Rand	95	-	-	DELCO REMY	80.280.01	B- 001
Timberjack	608	-	-	DELCO REMY	80.280.02	B- 001
	608 Harvester	-	-	DELCO REMY	80.280.02	B- 001
	Ciber Vibrator	-	-	DELCO REMY	80.280.02	B- 001
DELCO REMY		de /from	até /until	M.Part./Starter	ZM	Pag.
28MT Starter Motor Series		-	-	DELCO REMY	80.280.01	B- 001
		-	-	DELCO REMY	80.280.02	B- 001
		-	-	DELCO REMY	80.280.03	B- 001
		-	-	DELCO REMY	80.280.04	B- 001
		-	-	DELCO REMY	80.280.05	B- 002
		-	-	DELCO REMY	80.280.06	B- 002
		-	-	DELCO REMY	80.280.07	B- 002
		-	-	DELCO REMY	80.280.08	B- 002
		-	-	DELCO REMY	80.280.09	B- 003
		-	-	DELCO REMY	80.280.10	B- 003
		-	-	DELCO REMY	80.280.11	B- 003
		-	-	DELCO REMY	80.280.12	B- 003
		-	-	DELCO REMY	80.280.13	B- 004
29MT Starter Motor Series		-	-	DELCO REMY	80.290.01	B- 004
		-	-	DELCO REMY	80.290.02	B- 004
		-	-	DELCO REMY	80.290.03	B- 004
		-	-	DELCO REMY	80.291.01	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.03	B- 005
		-	-	DELCO REMY	80.291.04	B- 005
DIMEX		de /from	até /until	M.Part./Starter	ZM	Pag.
Ônibus	com motor Cummins B 5.9 litros	-	-	PRESTOLITE	80.480.08	E- 002
EL DETALLE		de /from	até /until	M.Part./Starter	ZM	Pag.
OA 101		09/1997	-	BOSCH	80.103.01	A- 005
		09/1997	-	BOSCH	80.103.04	A- 006
FAMSA		de /from	até /until	M.Part./Starter	ZM	Pag.
f 1314 C/B	com motor OM 366 C	01/1985	-	BOSCH	80.132.01	A- 007
	with OM 366 C engine	01/1985	-	BOSCH	80.132.01	A- 007
f 1317 C/B	com motor OM 366 A	01/1985	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	01/1985	-	BOSCH	80.132.01	A- 007
f 1321 C/B	com motor OM 366 LA	01/1985	-	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	01/1985	-	BOSCH	80.132.01	A- 007
f 1514	com motor OM 366 C	01/1985	-	BOSCH	80.132.01	A- 007
	with OM 366 C engine	01/1985	-	BOSCH	80.132.01	A- 007
f 1517	com motor OM 366 A	01/1985	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	01/1985	-	BOSCH	80.132.01	A- 007
f 1521	com motor OM 366 LA	01/1985	-	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	01/1985	-	BOSCH	80.132.01	A- 007
FIAT		de /from	até /until	M.Part./Starter	ZM	Pag.
147		-	-	BOSCH	80.106.06	A- 010
Cityvan	1.1	01/1985	08/1989	BOSCH	80.106.06	A- 010
Ducato	10 2.5	-	-	BOSCH	80.130.03	A- 007
	10 2.8	-	-	BOSCH	80.130.02	A- 007
	14 2.5	-	-	BOSCH	80.130.03	A- 007
	14 2.8	-	-	BOSCH	80.130.02	A- 007
	2.5 D com motor Fiat	-	-	BOSCH	80.130.03	A- 007
	2.8 Turbo	-	-	BOSCH	80.130.02	A- 007
Duna	60 com motor 146 A6.000	10/1985	04/1994	BOSCH	80.106.06	A- 010
	70 com motor 146 A5.000	10/1985	04/1994	BOSCH	80.106.06	A- 010
Elba	1.5 SPI	10/1985	10/1996	BOSCH	80.106.06	A- 010



FIAT		de /from	até /until	M.Part./Starter	ZM	Pag.
Elba	com motor 1.3	10/1985	10/1996	BOSCH	80.106.06	A- 010
	com motor 1.5	10/1985	10/1996	BOSCH	80.106.06	A- 010
Fiorino	1.0 com motor 146 B 4.011	-	-	BOSCH	80.106.06	A- 010
	1.3	09/1993	12/2001	BOSCH	80.106.06	A- 010
	Furgão 1.3	02/2003	12/2006	BOSCH	80.115.03	A- 013
Oggi	1300 Series	-	-	BOSCH	80.106.06	A- 010
Palio	1.0 8V MPI FLEX	08/2005	12/2008	BOSCH	80.115.03	A- 013
	1.0 MPI	06/1996	08/2001	BOSCH	80.115.02	A- 012
	1.0 MPI 8V	03/2000	01/2007	BOSCH	80.115.03	A- 013
	1.3 MPI 8V	09/2002	10/2003	BOSCH	80.115.03	A- 013
	1.3 MPI 8V FLEX	11/2003	05/2005	BOSCH	80.115.03	A- 013
	1.4 MPI 8V FLEX	06/2005	01/2007	BOSCH	80.115.03	A- 013
	Fire 1.0 MPI 8V	06/2002	12/2009	BOSCH	80.115.03	A- 013
Palio Weekend	1.3 MP	09/2002	05/2005	BOSCH	80.115.03	A- 013
	1.4 MP	06/2005	04/2008	BOSCH	80.115.03	A- 013
Panorama	Com motor 127 A 011	-	-	BOSCH	80.106.06	A- 010
	Com motor 127 A 2.011	-	-	BOSCH	80.106.06	A- 010
Prêmio	1.3 com motor 127 A 2.011	-	-	BOSCH	80.106.06	A- 010
	1.5 com motor 146 B 8.011	-	-	BOSCH	80.106.06	A- 010
Siena	1.0 Mpi com motor 8V Flex	08/2005	10/2007	BOSCH	80.115.03	A- 013
	1.0 com motor SOHC 8V	03/2004	07/2005	BOSCH	80.115.03	A- 013
	1.3 MPI 8V	09/2002	02/2004	BOSCH	80.115.03	A- 013
	1.3 MPI 8V Flex	03/2004	05/2005	BOSCH	80.115.03	A- 013
	1.4 MPI 8V Flex	06/2005	10/2007	BOSCH	80.115.03	A- 013
	Fire 1.0 MPI 8V	03/2002	12/2009	BOSCH	80.115.03	A- 013
	Fire 1.0 MPI 8V FLEX	03/2005	07/2006	BOSCH	80.115.03	A- 013
Spazio	1.3 com motor SOHC	10/1982	08/1984	BOSCH	80.106.06	A- 010
Strada	1.2 MPI 8V	04/2003	06/2005	BOSCH	80.115.03	A- 013
	1.3 MPI 8V	09/2002	12/2005	BOSCH	80.115.03	A- 013
	1.4 MPI 8V Flex	06/2005	08/2006	BOSCH	80.115.03	A- 013
Uno	1.0 MPI	01/2004	06/2006	BOSCH	80.115.03	A- 013
	1.0 MPI Flex	03/2005	12/2008	BOSCH	80.115.03	A- 013
	1.0 SPI	07/1995	06/2001	BOSCH	80.115.02	A- 012
	1.1 com motor 146 A6.000	10/1985	04/1994	BOSCH	80.106.06	A- 010
	Furgoneta 1.3 MP	01/2004	-	BOSCH	80.115.03	A- 013
	Mille ELX	10/1985	04/1994	BOSCH	80.106.06	A- 010
	Mille EP	10/1985	04/1994	BOSCH	80.106.06	A- 010
	Mille Economy 1.0	01/2009	-	BOSCH	80.115.03	A- 013
	Mille Electronic	10/1985	04/1994	BOSCH	80.106.06	A- 010
	com motor 1.5	10/1985	04/1994	BOSCH	80.106.06	A- 010
	com motor 1.6	10/1985	04/1994	BOSCH	80.106.06	A- 010
FIAT-IVECO		de /from	até /until	M.Part./Starter	ZM	Pag.
Daily	12	-	-	BOSCH	80.130.02	A- 007
		-	-	BOSCH	80.130.03	A- 007
Euro Cargo	75 E 16 com motor F4AE3481D	09/2006	-	mitsubishi	80.890.02	C- 001
Euro Star	260 E 48 com motor F3BE0681E	01/1993	02/2002	mitsubishi	80.890.02	C- 001
	440 E 39 com motor F3AE0681D	11/1999	-	mitsubishi	80.890.02	C- 001
	440 E 43 com motor F3AE0681E	11/1999	02/2002	mitsubishi	80.890.02	C- 001
Euro Tech	190 E 39 com motor F3AE0681E	11/1999	-	mitsubishi	80.890.02	C- 001
	190 E 43 com motor F3AE0681D	01/2001	-	mitsubishi	80.890.02	C- 001
	260 E 39 com motor F3AE0681E	11/1999	-	mitsubishi	80.890.02	C- 001
	260 E 43 com motor F3AE0681D	11/1999	-	mitsubishi	80.890.02	C- 001
	440 E 39 com motor F3AE0681E	11/1999	-	mitsubishi	80.890.02	C- 001
	440 E 43 com motor F3AE0681D	11/1999	-	mitsubishi	80.890.02	C- 001
Euro Trakker	190 T 38 com motor F3BE0681G	10/2004	-	mitsubishi	80.890.02	C- 001
	190 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	C- 001
	190 T 44 com motor F3B3681G	06/2005	-	mitsubishi	80.890.02	C- 001
	190 T 44 com motor F3BE0681C	10/2004	-	mitsubishi	80.890.02	C- 001



FIAT-IVECO		de /from	até /until	M.Part./Starter	ZM	Pag.
Euro Trakker	190 T 44 com motor F3BE3681C	10/2004	-	MITSUBISHI	80.890.02	C- 001
	190 T 45 com motor F3B3681G	06/2005	-	MITSUBISHI	80.890.02	C- 001
	190 T 45 com motor F3BE0681C	10/2004	-	MITSUBISHI	80.890.02	C- 001
	190 T 45 com motor F3BE3681C	10/2004	-	MITSUBISHI	80.890.02	C- 001
	260 T 38 com motor F3BE0681G	10/2004	-	MITSUBISHI	80.890.02	C- 001
	260 T 41 com motor F3BE3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	260 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	260 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
	340 T 41 com motor F3B3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	340 T 45 com motor F3B3681C	06/2006	-	MITSUBISHI	80.890.02	C- 001
	340 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	340 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
	380 E 38 com motor F3BE0681G	01/2001	11/2004	MITSUBISHI	80.890.02	C- 001
	380 T 41 com motor F3BE3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	380 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	380 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
	400 T 41 com motor F3BE3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	400 T 42 com motor F3BE0681V	06/2005	-	MITSUBISHI	80.890.02	C- 001
	400 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	400 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
	410 E 44 com motor F3BE0681C	01/2001	11/2004	MITSUBISHI	80.890.02	C- 001
	410 T 41 com motor F3B3681D	06/2006	-	MITSUBISHI	80.890.02	C- 001
	410 T 41 com motor F3BE3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	410 T 45 com motor F3B3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	410 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	410 T 50 com motor F3BE0681B	06/2006	-	MITSUBISHI	80.890.02	C- 001
	410 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
	440 T 41 com motor F3BE3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	440 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	440 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
	720 T 41 com motor F3BE3681D	03/2006	-	MITSUBISHI	80.890.02	C- 001
	720 T 42 com motor F3BE0681V	04/2005	-	MITSUBISHI	80.890.02	C- 001
	720 T 45 com motor F3BE3681C	03/2006	-	MITSUBISHI	80.890.02	C- 001
	720 T 50 com motor F3BE3681B	03/2006	-	MITSUBISHI	80.890.02	C- 001
Stralis	190 S 40 com motor F3AE0681B	02/2002	-	MITSUBISHI	80.890.02	C- 001
	190 S 40 com motor F3AE0681H	02/2002	-	MITSUBISHI	80.890.02	C- 001
	190 S 42 com motor F3AE3681B	07/2006	-	MITSUBISHI	80.890.02	C- 001
	190 S 43 com motor F3AE0681D	02/2002	-	MITSUBISHI	80.890.02	C- 001
	190 S 45 com motor F3AE3681A	12/2006	-	MITSUBISHI	80.890.02	C- 001
	190 S 48 com motor F3BE0681E	02/2002	-	MITSUBISHI	80.890.02	C- 001
	190 S 50 com motor F3B3681B	12/2006	-	MITSUBISHI	80.890.02	C- 001
	260 S 40 com motor F3AE0681B	02/2002	-	MITSUBISHI	80.890.02	C- 001
	260 S 40 com motor F3AE0681H	02/2002	-	MITSUBISHI	80.890.02	C- 001
	260 S 42 com motor F3AE3681B	12/2006	-	MITSUBISHI	80.890.02	C- 001
	260 S 43 com motor F3AE0681D	02/2002	-	MITSUBISHI	80.890.02	C- 001
	260 S 45 com motor F3AE3681A	05/2007	-	MITSUBISHI	80.890.02	C- 001
	260 S 48 com motor F3BE0681E	02/2002	-	MITSUBISHI	80.890.02	C- 001
	260 S 50 com motor F3B3681B	07/2006	-	MITSUBISHI	80.890.02	C- 001
	260 S 54 com motor F3BE0681A	02/2002	-	MITSUBISHI	80.890.02	C- 001
	260 S 56 com motor F3B3681A	07/2006	-	MITSUBISHI	80.890.02	C- 001
	440 S 40 com motor F3AE0681B	02/2002	-	MITSUBISHI	80.890.02	C- 001
	440 S 40 com motor F3AE0681H	02/2002	-	MITSUBISHI	80.890.02	C- 001
	440 S 42 com motor F3AE3681B	04/2006	-	MITSUBISHI	80.890.02	C- 001
	440 S 42 com motor F3AE3681D	04/2006	-	MITSUBISHI	80.890.02	C- 001
	440 S 43 com motor F3AE0681D	02/2002	-	MITSUBISHI	80.890.02	C- 001
	440 S 45 com motor F3AE3681A	07/2006	-	MITSUBISHI	80.890.02	C- 001
	440 S 48 com motor F3BE0681E	02/2002	-	MITSUBISHI	80.890.02	C- 001
	440 S 50 com motor F3B3681B	07/2006	-	MITSUBISHI	80.890.02	C- 001
	440 S 54 com motor F3BE0681A	02/2002	-	MITSUBISHI	80.890.02	C- 001



FIAT-IVECO		de /from	até /until	M.Part./Starter	ZM	Pag.
Stralis	440 S 56 com motor F3B3681A	05/2006	-	mitsubishi	80.890.02	C- 001
FIATALLIS		de /from	até /until	M.Part./Starter	ZM	Pag.
AD Series		-	-	BOSCH	80.101.02	A- 001
Crawler	Tractor 7D	-	-	DELCO REMY	80.280.08	B- 002
Engine	Cummins 6BT5.9	-	-	DELCO REMY	80.280.10	B- 003
FB Series		-	-	BOSCH	80.102.04	A- 003
Grader	PG140 com motor Ford 7.5 litros GMA	-	-	DELCO REMY	80.280.03	B- 001
	PG160 com motor Ford 7.5 litros GMA	-	-	DELCO REMY	80.280.03	B- 001
Wheel Loader	FR 218	-	-	DELCO REMY	80.280.08	B- 002
FORD		de /from	até /until	M.Part./Starter	ZM	Pag.
B 1618	com motor 6.10 T	03/1993	09/1998	BOSCH	80.103.03	A- 005
		03/1993	09/1998	BOSCH	80.103.06	A- 006
B 1621	com motor 6.10 T	03/1993	09/1998	BOSCH	80.103.03	A- 005
		03/1993	09/1998	BOSCH	80.103.06	A- 006
Cargo	com motor Cummins ISB 6 cilindros	-	-	PRESTOLITE	80.480.04	E- 001
Cargo 1215		04/1992	11/2000	BOSCH	80.102.06	A- 004
Cargo 1317e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 1417	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.01	E- 001
Cargo 1517e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 1617	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.01	E- 001
Cargo 1618	com motor 6.10	04/1993	-	BOSCH	80.103.03	A- 005
		04/1993	-	BOSCH	80.103.06	A- 006
Cargo 1621	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.01	E- 001
Cargo 1622	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.02	E- 004
Cargo 1630	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
Cargo 1717e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 1722e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 2422	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.02	E- 004
Cargo 2422e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 2425	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.02	E- 004
Cargo 2428e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 2622	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	B- 006
Cargo 2622e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 2626	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
Cargo 2628e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo 2630	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.02	E- 004
Cargo 2631	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
Cargo 2632	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	B- 006
Cargo 2932	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	B- 006
Cargo 3222	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
Cargo 4030	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	B- 006
		-	-	DELCO REMY	80.380.03	B- 007
Cargo 4532	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	B- 006
Cargo 5032	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	B- 006
Cargo 815	VUC com motor Cummins 4BT 3.9 litros	-	-	PRESTOLITE	80.480.01	E- 001
		-	-	PRESTOLITE	80.480.01	E- 001



FORD		de /from	até /until	M.Part./Starter	ZM	Pag.
Cargo 815	com motor Cummins 4BT 3.9 litros					
Cargo 815e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	B- 004
Cargo C 1216		05/1993	-	BOSCH	80.102.06	A- 004
Cargo C 1217		11/2000	-	BOSCH	80.102.06	A- 004
		-	-	PRESTOLITE	80.480.01	E- 001
Cargo C 1415		04/1992	11/2000	BOSCH	80.102.06	A- 004
Cargo C 1416		05/1993	-	BOSCH	80.102.06	A- 004
Cargo C 1417		11/2000	-	BOSCH	80.102.06	A- 004
Cargo C 1421		12/1999	-	BOSCH	80.102.06	A- 004
		-	-	PRESTOLITE	80.480.01	E- 001
Cargo C 1617		05/1993	-	BOSCH	80.102.06	A- 004
Cargo C 1621		12/1999	-	BOSCH	80.102.06	A- 004
Cargo C 814		06/1996	10/2000	BOSCH	80.102.06	A- 004
Cargo C 815		11/2000	-	BOSCH	80.102.06	A- 004
Courier	1.0 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
	1.3i com motor Endura E	-	-	BOSCH	80.110.04	A- 012
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
EcoNovan	2.0L DSL	01/1986	12/1999	DENSO	80.140.01	D- 001
Ecosport	1.0 L com motor Supercharger	02/2003	-	VALEO	80.201.08	F- 002
	1.0 L com motor Zetec Rocam	02/2003	-	VALEO	80.201.08	F- 002
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
Escort	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
	1.6i	01/1993	-	BOSCH	80.110.01	A- 011
	1.8i	01/1993	-	BOSCH	80.110.01	A- 011
	2.0i	01/1993	-	BOSCH	80.110.01	A- 011
F 100	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
F 1000	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
F 12000		05/1996	-	BOSCH	80.102.07	A- 004
F 14000	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
		05/1996	-	BOSCH	80.102.07	A- 004
F 150	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
F 250	6.07TCA	-	-	BOSCH	80.130.05	A- 008
	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
	com motor Cummins 4BTAA	-	-	BOSCH	80.130.06	A- 008
		-	-	PRESTOLITE	80.480.06	E- 002
F 350	com motor Cummins 4BTAA 3.9L	-	-	BOSCH	80.130.06	A- 008
	com motor Cummins B 3.9L	-	-	PRESTOLITE	80.480.06	E- 002
F 3500	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
F 4000	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
	com motor Cummins 4BTAA 3.9L	-	-	BOSCH	80.130.06	A- 008
	com motor Cummins B 3.9L	-	-	PRESTOLITE	80.480.06	E- 002
		05/1996	10/1998	BOSCH	80.102.06	A- 004
		05/1996	-	BOSCH	80.102.07	A- 004
F 7000	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	E- 001
F12000	Com motor Cummins B 5.9L 160 CV	-	-	DELCO REMY	80.280.13	B- 004
F14000	Com motor Cummins B 5.9L 160CV	-	-	DELCO REMY	80.280.13	B- 004
Fiesta	1.0 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
	1.3	-	-	BOSCH	80.110.04	A- 012
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
Galaxy		05/1992	12/1996	BOSCH	80.106.04	A- 009
Ka	1.0 L com motor Zetec Rocam	04/1999	-	VALEO	80.201.08	F- 002
	1.3i	-	-	BOSCH	80.110.04	A- 012
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	F- 002
Pampa	1.6 com motor UNB	04/1993	07/1994	BOSCH	80.106.08	A- 010
Royale	1.8	02/1992	10/1996	BOSCH	80.106.04	A- 009
	1.8i	02/1992	10/1996	BOSCH	80.106.04	A- 009
	2.0	02/1992	10/1996	BOSCH	80.106.04	A- 009
	2.0i	02/1992	10/1996	BOSCH	80.106.04	A- 009



FORD		de /from	até /until	M.Part./Starter	ZM	Pag.
Verona	1.8i	03/1992	-	BOSCH	80.110.01	A- 011
	2.0i	03/1992	-	BOSCH	80.110.01	A- 011
Versailles	1.8	03/1991	10/1996	BOSCH	80.106.04	A- 009
	1.8i	03/1991	10/1996	BOSCH	80.106.04	A- 009
	2.0	03/1991	10/1996	BOSCH	80.106.04	A- 009
	2.0i	03/1991	10/1996	BOSCH	80.106.04	A- 009
FORD-NEW HOLLAND		de /from	até /until	M.Part./Starter	ZM	Pag.
8040	com motor OM 352	01/1984	07/1989	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1984	07/1989	BOSCH	80.132.01	A- 007
8055	com motor OM 352 A	01/1984	07/1989	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1984	07/1989	BOSCH	80.132.01	A- 007
GM-CHEVROLET		de /from	até /until	M.Part./Starter	ZM	Pag.
Blazer	2.2 EFI	03/1995	10/1998	BOSCH	80.106.03	A- 009
	2.8 diesel com motor 4.07 TCA	02/2000	-	BOSCH	80.110.03	A- 012
Chevette	1.0	02/1992	12/1993	BOSCH	80.106.05	A- 009
	1.4	06/1974	08/1982	BOSCH	80.106.05	A- 009
	1.6	08/1982	07/1987	BOSCH	80.106.05	A- 009
	1.6 S	08/1990	12/1994	BOSCH	80.106.05	A- 009
Chevy	500 1.6	-	-	BOSCH	80.106.05	A- 009
Corsa	1.6 EFI	05/1995	-	BOSCH	80.115.01	A- 012
	Efi	01/1994	-	VALEO	80.201.03	F- 001
D 20		-	-	PRESTOLITE	80.480.02	E- 001
D series		-	-	BOSCH	80.102.03	A- 003
Ipanema		-	-	BOSCH	80.106.02	A- 009
Kadett	1.8	-	-	BOSCH	80.106.02	A- 009
	1.8i	-	-	BOSCH	80.106.02	A- 009
	2.0	-	-	BOSCH	80.106.02	A- 009
		-	-	BOSCH	80.106.03	A- 009
	2.0i	-	-	BOSCH	80.106.02	A- 009
Marajó	com motor 1.4	-	-	BOSCH	80.106.05	A- 009
	com motor 1.6	-	-	BOSCH	80.106.05	A- 009
	com motor 1.6 S	-	-	BOSCH	80.106.05	A- 009
Monza	1.8	01/1982	-	BOSCH	80.106.02	A- 009
	1.8i	01/1982	-	BOSCH	80.106.02	A- 009
	2.0	01/1982	-	BOSCH	80.106.02	A- 009
		01/1982	-	BOSCH	80.106.03	A- 009
	2.0i	01/1982	-	BOSCH	80.106.02	A- 009
		01/1982	-	BOSCH	80.106.03	A- 009
S10	2.2 EFi	03/1995	10/1998	BOSCH	80.106.03	A- 009
	2.8 diesel com motor 4.07 TCA	03/2001	-	BOSCH	80.110.03	A- 012
	2.8 diesel com motor Sprint 4.07 TCA	03/2001	-	BOSCH	80.110.03	A- 012
GURGEL		de /from	até /until	M.Part./Starter	ZM	Pag.
BR 800	com motor Enertron 800	02/1989	05/1993	BOSCH	80.106.01	A- 008
		02/1989	05/1993	BOSCH	80.106.07	A- 010
Carajás	1.8	02/1998	12/1994	BOSCH	80.106.04	A- 009
Tocantins	L com motor VW-GB 1600	-	-	BOSCH	80.106.01	A- 008
		-	-	BOSCH	80.106.07	A- 010
	TR com motor VW-GB 1600	-	-	BOSCH	80.106.01	A- 008
		-	-	BOSCH	80.106.07	A- 010
HONDA		de /from	até /until	M.Part./Starter	ZM	Pag.
Civic	1.7 L	01/2001	12/2004	DENSO	80.705.01	D- 001
	1.8 L	01/2006	12/2008	DENSO	80.705.03	D- 002
Fit	1.5 L	01/2007	12/2008	DENSO	80.705.02	D- 001
HYSTER		de /from	até /until	M.Part./Starter	ZM	Pag.
Equipamento Industrial		-	-	DELCO REMY	80.280.09	B- 003
H-150		-	-	DELCO REMY	80.456.01	B- 007
H-150E		-	-	DELCO REMY	80.456.01	B- 007



HYSTER		de /from	até /until	M.Part./Starter	ZM	Pag.
H-165		-	-	DELCO REMY	80.456.01	B- 007
H-165E		-	-	DELCO REMY	80.456.01	B- 007
H-180		-	-	DELCO REMY	80.456.01	B- 007
H-180E		-	-	DELCO REMY	80.456.01	B- 007
H-200		-	-	DELCO REMY	80.456.01	B- 007
H-200E		-	-	DELCO REMY	80.456.01	B- 007
H-200ES		-	-	DELCO REMY	80.456.01	B- 007
H-225		-	-	DELCO REMY	80.456.01	B- 007
H-225E		-	-	DELCO REMY	80.456.01	B- 007
H-250A		-	-	DELCO REMY	80.456.01	B- 007
H-250E		-	-	DELCO REMY	80.456.01	B- 007
H-300		-	-	DELCO REMY	80.456.01	B- 007
H-360A		-	-	DELCO REMY	80.456.01	B- 007
H-360AD		-	-	DELCO REMY	80.456.01	B- 007
H-400A		-	-	DELCO REMY	80.456.01	B- 007
H-400AD		-	-	DELCO REMY	80.456.01	B- 007
H-460AD		-	-	DELCO REMY	80.456.01	B- 007
H-700		-	-	DELCO REMY	80.456.01	B- 007
H-800A		-	-	DELCO REMY	80.456.01	B- 007
Lift Truck	H-25XM, H-25XL with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	H-35XL, H-35XM with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	H-40XL with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	H-50XL with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	H-60XL with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	S-25XL, S-25XM with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	S-35XL with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	S-40XL with Mazda FE Engine	-	-	BOSCH	80.106.21	A- 010
	S-40XM with Mazda 2.0L Engine	-	-	BOSCH	80.106.21	A- 010
	S-45XM with Mazda 2.0L Engine	-	-	BOSCH	80.106.21	A- 010
	S-50XM with Mazda M4-121G Engine	-	-	BOSCH	80.106.21	A- 010
	S-55XM with Mazda M4-121G Engine	-	-	BOSCH	80.106.21	A- 010
	S-60XM with Mazda M4-121G Engine	-	-	BOSCH	80.106.21	A- 010
	S-65XM with Mazda M4-121G Engine	-	-	BOSCH	80.106.21	A- 010
M-500		-	-	DELCO REMY	80.456.01	B- 007
M-600		-	-	DELCO REMY	80.456.01	B- 007
P-125A		-	-	DELCO REMY	80.456.01	B- 007
P-150A		-	-	DELCO REMY	80.456.01	B- 007
P-165A		-	-	DELCO REMY	80.456.01	B- 007
P-180A		-	-	DELCO REMY	80.456.01	B- 007
HYUNDAI		de /from	até /until	M.Part./Starter	ZM	Pag.
HR	2.5L	-	-	VALEO	80.201.04	F- 001
INTERNATIONAL		de /from	até /until	M.Part./Starter	ZM	Pag.
9000	com motor Cummins M11	-	-	DELCO REMY	80.456.01	B- 007
Heavy Duty Bus 3000 Series	with 7.3 liters IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
	with 7.3 liters IHC T-444 engine	01/1993	01/2004	PRESTOLITE	80.481.03	E- 004
Heavy Duty Bus 3900 Series	with 7.3 liters IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
	with 7.3 liters IHC T-444 engine	01/1993	01/2004	PRESTOLITE	80.481.03	E- 004
Heavy Duty Truck 7100 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-530 engine	01/2003	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-570 engine	01/2003	01/2007	PRESTOLITE	80.481.03	E- 004
Heavy Duty Truck 7700 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-530 engine	01/2003	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-570 engine	01/2003	01/2007	PRESTOLITE	80.481.03	E- 004
Heavy Duty Truck 8100 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-530 engine	01/2003	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-570 engine	01/2003	01/2007	PRESTOLITE	80.481.03	E- 004
Heavy Duty Truck 8600 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004



INTERNATIONAL		de /from	até /until	M.Part./Starter	ZM	Pag.
Heavy Duty Truck 8600 Series	with IHC DT-530 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
	with IHC DT-570 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
Medium Truck 2554 Series	with IHC DT-466 engine	01/1993	01/2000	PRESTOLITE	80.481.03	E- 004
Medium Truck 2564 Series	with IHC DT-466 engine	01/1993	01/2000	PRESTOLITE	80.481.03	E- 004
Medium Truck 2654 Series	with IHC DT-466 engine	01/1993	01/2001	PRESTOLITE	80.481.03	E- 004
Medium Truck 4000 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
Medium Truck 4900 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	E- 004
Navistar	with 7.3 liters DT-466 I6 engine	-	-	PRESTOLITE	80.481.03	E- 004
	with 7.6 liters DT-466 I6 engine	-	-	PRESTOLITE	80.481.03	E- 004
Power Stroke turbo	7.3 L Diesel	-	-	PRESTOLITE	80.480.08	E- 002
JOHN DEERE		de /from	até /until	M.Part./Starter	ZM	Pag.
Colheitadeira 1165	1165 com motor 4 cilindros 3.9 litros	-	-	PRESTOLITE	80.480.07	E- 002
Colheitadeira 1175	1175 com motor 4 cilindros 3.9 litros	-	-	PRESTOLITE	80.480.07	E- 002
Colheitadeira 1450	1450 com motor 4 cilindros 3.9 litros	-	-	PRESTOLITE	80.480.07	E- 002
Trator 7500	7500 com motor 6068T 6 cilindros 6.8 litros	-	-	PRESTOLITE	80.480.07	E- 002
KIA MOTORS		de /from	até /until	M.Part./Starter	ZM	Pag.
Besta	com motor 2.2	02/1996	-	DENSO	80.140.01	D- 001
	com motor 2.7	-	-	DENSO	80.140.02	D- 001
Bongo K2500	2.5L	-	-	VALEO	80.201.04	F- 001
Sportage	2.0L	01/1996	12/2002	DENSO	80.140.01	D- 001
KOMATSU		de /from	até /until	M.Part./Starter	ZM	Pag.
PC 200 Excavator		-	-	DELCO REMY	80.280.02	B- 001
LAND ROVER / ROVER GROUP		de /from	até /until	M.Part./Starter	ZM	Pag.
Land Rover		-	-	BOSCH	80.130.01	A- 007
Land Rover Defender 2.5 Turbo		-	-	BOSCH	80.130.01	A- 007
Land Rover Discovery		-	-	BOSCH	80.130.01	A- 007
Range Rover		-	-	BOSCH	80.130.01	A- 007
MASSEY FERGUSON		de /from	até /until	M.Part./Starter	ZM	Pag.
Agco	Dicumar 6BT-F700	-	-	DELCO REMY	80.280.12	B- 003
MF 1000		-	-	BOSCH	80.102.03	A- 003
MF 235	com motor 3.152 A	04/1976	-	BOSCH	80.102.18	A- 005
MF 265	com motor D 4.203 A	04/1976	-	BOSCH	80.102.18	A- 005
MF 265/4	com motor D 4.203 A	06/1987	-	BOSCH	80.102.18	A- 005
MF 3000		-	-	BOSCH	80.102.03	A- 003
MF 4000 Series		-	-	BOSCH	80.101.02	A- 001
MF 5000		-	-	BOSCH	80.102.03	A- 003
MF 6000 Series		-	-	BOSCH	80.102.03	A- 003
MAXION		de /from	até /until	M.Part./Starter	ZM	Pag.
Ideal 9075		-	-	BOSCH	80.102.03	A- 003
Ideal 9090		-	-	BOSCH	80.102.03	A- 003
MAZDA		de /from	até /until	M.Part./Starter	ZM	Pag.
323	2.0L DSL	01/1986	12/1998	DENSO	80.140.01	D- 001
	2.0L T DSL	01/1998	-	DENSO	80.140.01	D- 001
626	2.0L DSL	01/1982	12/2002	DENSO	80.140.01	D- 001
B 2200	Pick-Up DSL	01/1985	12/1996	DENSO	80.140.01	D- 001
E 2200	Van 2.2L DSL	01/1984	12/1988	DENSO	80.140.01	D- 001
MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
1214	C com motor OM 364 LA	06/1997	-	BOSCH	80.132.01	A- 007
	C with OM 364 LA engine	06/1997	-	BOSCH	80.132.01	A- 007
1215	C	-	-	BOSCH	80.130.04	A- 008
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
1215	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.04	B- 001
1218	EL	-	-	DELCO REMY	80.280.04	B- 001
	L	-	-	BOSCH	80.130.04	A- 008
		-	-	DELCO REMY	80.280.04	B- 001
1218EL	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
1218L	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
1418	EL	-	-	DELCO REMY	80.280.04	B- 001
	L	-	-	DELCO REMY	80.280.04	B- 001
	R	-	-	DELCO REMY	80.280.05	B- 002
		-	-	BOSCH	80.130.04	A- 008
1418EL	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
1418L	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
1418R	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
1620	L	-	-	DELCO REMY	80.280.05	B- 002
1714	K com motor OM 366	02/1991	-	BOSCH	80.132.01	A- 007
	K with OM 366 engine	02/1991	-	BOSCH	80.132.01	A- 007
1718	A com motor OM 366 A	05/1999	-	BOSCH	80.132.01	A- 007
	A with OM 366 A engine	05/1999	-	BOSCH	80.132.01	A- 007
	K com motor OM 366 A	07/1990	-	BOSCH	80.132.01	A- 007
	com motor OM 366 A	07/1990	-	BOSCH	80.132.01	A- 007
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	with OM 366 A engine	07/1990	-	BOSCH	80.132.01	A- 007
		-	-	DELCO REMY	80.280.04	B- 001
1720	A com motor OM 364 24V	-	-	DELCO REMY	80.291.01	B- 005
	A com motor OM 366 24V	-	-	DELCO REMY	80.291.01	B- 005
	K	-	-	DELCO REMY	80.280.05	B- 002
	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 LA	02/1998	-	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	02/1998	-	BOSCH	80.132.01	A- 007
		-	-	DELCO REMY	80.280.05	B- 002
1720K	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
1721	S com motor OM 366 LA	12/1994	-	BOSCH	80.132.01	A- 007
	S with OM 366 LA engine	12/1994	-	BOSCH	80.132.01	A- 007
1722	S com motor OM 366 LA	05/1998	-	BOSCH	80.132.01	A- 007
	S with OM 366 LA engine	05/1998	-	BOSCH	80.132.01	A- 007
1723	com motor OM 366 LA	02/1998	-	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	02/1998	-	BOSCH	80.132.01	A- 007
1725	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
1725	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.04	B- 001
2418	com motor OM 366 A	03/1991	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	03/1991	-	BOSCH	80.132.01	A- 007
2423	B com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	B com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	B com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	B com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	K com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	K com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	K com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	K com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	BOSCH	80.130.04	A- 008
		-	-	DELCO REMY	80.280.04	B- 001
2428	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.04	B- 001
709	com motor OM 364	03/1988	-	BOSCH	80.132.01	A- 007
	with OM 364 engine	03/1988	-	BOSCH	80.132.01	A- 007
		03/1988	-	BOSCH	80.102.02	A- 003
710	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 364 A	09/1995	-	BOSCH	80.132.01	A- 007
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
	with OM 364 A engine	09/1995	-	BOSCH	80.132.01	A- 007
		09/1995	-	BOSCH	80.102.02	A- 003
		-	-	DELCO REMY	80.280.05	B- 002
712	com motor OM 364 A	04/1992	-	BOSCH	80.132.01	A- 007
	with OM 364 A engine	04/1992	-	BOSCH	80.132.01	A- 007
		04/1992	-	BOSCH	80.102.02	A- 003
712C	com motor OM 904LA	-	-	DELCO REMY	80.291.02	B- 005
		-	-	BOSCH	80.130.04	A- 008
		-	-	DELCO REMY	80.280.04	B- 001
712E	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
714C	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
715	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.04	B- 001
912	com motor OM 364 A	03/1988	-	BOSCH	80.132.01	A- 007
	with OM 364 A engine	03/1988	-	BOSCH	80.132.01	A- 007
914	com motor OM 364 LA	12/1994	-	BOSCH	80.132.01	A- 007
	with OM 364 LA engine	12/1994	-	BOSCH	80.132.01	A- 007
		12/1994	-	BOSCH	80.102.02	A- 003
914C		-	-	BOSCH	80.130.04	A- 008
		-	-	DELCO REMY	80.280.04	B- 001
915		-	-	BOSCH	80.130.04	A- 008



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915C	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.04	B- 001
9t Series		-	-	BOSCH	80.102.03	A- 003
Accelo 715C	OM 612LA	03/2003	12/2005	BOSCH	80.110.02	A- 011
Actros 1831	com motor OM 541.920	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.926	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.941	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 1832	com o motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 541.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 541.970	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1835	com motor OM 541.922	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.927	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.943	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 1836	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.971	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1840	com motor OM 541.923	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.924	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.945	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 1841	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1843	com motor OM 541.921	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.925	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.947	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 1844	com motor OM 541.921	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1846	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.981	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1848	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.978	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.921	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.925	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1850	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.962	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1851	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.941	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1853	com motor OM 542.920	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.942	04/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 1854	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.944	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 1857	com motor OM 542.922	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.944	04/1997	10/2002	mitsubishi	80.840.01	C- 002



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Actros 1858	com motor OM 542.944	10/2002	-	mitsubishi	80.840.01	C- 002
Actros 1860	com motor OM 542.964	05/2005	-	mitsubishi	80.840.01	C- 002
Actros 2031	com motor OM 541.920	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.926	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.941	04/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2032	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.926	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.941	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2035	com motor OM 541.922	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.927	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.943	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 2036	com motor OM 541.922	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.927	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.943	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.972	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2040	com motor OM 541.923	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.924	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.945	04/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2041	com motor OM 541.923	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.924	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2043	com motor OM 541.921	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.925	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.947	04/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2044	com motor OM 541.921	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.925	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.947	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2046	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2048	com motor OM 541.948	04/1996	04/2003	mitsubishi	80.840.01	C- 002
	com motor OM 542.925	04/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2050	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.941	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2051	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2053	com motor OM 542.920	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.942	04/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2531	com motor OM 541.920	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2532	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2535	com motor OM 541.922	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.948	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 2536	com motor OM 541.922	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.943	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2540	com motor OM 541.923	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2541	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002



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Actros 2541	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2543	com motor OM 541.925	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2544	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2546	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2548	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.978	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.921	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.940	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2551	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2553	com motor OM 542.920	09/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.942	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2555	com motor OM 542.962	09/2005	-	mitsubishi	80.840.01	C- 002
Actros 2557	com motor OM 542.922	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2631	com motor OM 541.920	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 2632	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.970	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2635	com motor OM 541.922	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 2636	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.972	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2640	com motor OM 541.923	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2641	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2643	com motor OM 541.925	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 2644	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2646	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2648	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.978	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.921	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.940	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2650	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2651	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2653	com motor OM 542.920	04/1996	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.942	09/1996	10/2002	mitsubishi	80.840.01	C- 002
Actros 2654	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.962	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2655	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 542.962	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 2657	com motor OM 542.922	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 542.944	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 2658	com motor OM 542.944	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3231	com motor OM 541.920	04/1997	04/2003	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/1997	04/2003	mitsubishi	80.840.01	C- 002
Actros 3232	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3235	com motor OM 541.922	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/1997	10/2002	mitsubishi	80.840.01	C- 002



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Actros 3240	com o motor OM 541.923	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.944	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 3241	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3243	com o motor OM 541.925	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 3246	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3331	com o motor OM 541.920	04/1997	04/2003	mitsubishi	80.840.01	C- 002
	com o motor OM 541.926	04/1997	04/2003	mitsubishi	80.840.01	C- 002
	com o motor OM 541.940	04/1997	04/2003	mitsubishi	80.840.01	C- 002
	com o motor OM 541.941	04/1997	04/2003	mitsubishi	80.840.01	C- 002
	com o motor OM 541.970	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 541.971	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3332	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.926	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.941	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.970	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.971	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3335	com o motor OM 541.922	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.942	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 3336	com motor OM 541.927	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.943	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.972	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.973	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3340	com o motor OM 541.923	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.924	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.944	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.945	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 3341	com motor OM 541.923	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.945	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.975	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3343	com o motor OM 541.921	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.925	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 541.947	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 3344	com motor OM 541.921	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.947	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.977	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3346	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.949	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	C- 002
	com motor OM 541.981	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3348	com o motor OM 541.948	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 541.978	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 542.921	04/1997	04/2003	mitsubishi	80.840.01	C- 002
	com o motor OM 542.925	04/1997	10/2002	mitsubishi	80.840.01	C- 002
	com o motor OM 542.940	04/1997	10/2002	mitsubishi	80.840.01	C- 002
Actros 3350	com o motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
Actros 3351	com o motor OM 542.940	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 542.941	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 542.960	04/2003	-	mitsubishi	80.840.01	C- 002
	com o motor OM 542.961	04/2003	-	mitsubishi	80.840.01	C- 002



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Actros 3353	com o motor OM 542.920	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.926	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.942	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
Actros 3354	com o motor OM 542.942	04/2003	-	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.962	04/2003	-	MITSUBISHI	80.840.01	C- 002
Actros 3355	com o motor OM 542.942	04/2003	-	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.962	04/2003	-	MITSUBISHI	80.840.01	C- 002
Actros 3357	com o motor OM 542.922	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.944	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
Actros 4140	com o motor OM 541.923	04/1997	04/2003	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.924	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.944	04/1997	04/2003	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.945	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
Actros 4141	com o motor OM 541.974	04/2003	-	MITSUBISHI	80.840.01	C- 002
Actros 4143	com o motor OM 541.921	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.925	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.946	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.947	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
Actros 4144	com o motor OM 541.925	04/2003	-	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.946	04/2003	-	MITSUBISHI	80.840.01	C- 002
	com o motor OM 541.976	04/2003	-	MITSUBISHI	80.840.01	C- 002
Actros 4146	com o motor OM 541.948	04/2003	-	MITSUBISHI	80.840.01	C- 002
Actros 4148	com o motor OM 541.948	04/1997	04/2003	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.921	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
	com o motor OM 542.925	04/1997	10/2002	MITSUBISHI	80.840.01	C- 002
Actros 4151	com o motor OM 542.960	05/2005	-	MITSUBISHI	80.840.01	C- 002
Atego	1315 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1315 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1315 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1315 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1418 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1418 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1418 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1418 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1518 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1518 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1518 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1518 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1718 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1718 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1718 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1718 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1725 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1725 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1725 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	1725 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	2425 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	2425 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	2425 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	2425 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		01/1998	10/2004	DELCO REMY	80.280.04	B- 001
Atego 2		10/2004	-	DELCO REMY	80.280.04	B- 001
Axor	1835 com o motor OM 457.937	01/2002	10/2004	MITSUBISHI	80.840.01	C- 002
	1840 com o motor OM 457.937	01/2002	10/2004	MITSUBISHI	80.840.01	C- 002
	1843 com o motor OM 457.937	01/2002	10/2004	MITSUBISHI	80.840.01	C- 002
	1933 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	2636 com o motor OM 457.937	10/2004	-	MITSUBISHI	80.840.01	C- 002
	2636 com o motor OM 457.948	10/2004	-	MITSUBISHI	80.840.01	C- 002



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Axor	2640 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	2640 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
	2643 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	2643 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
	3236 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	3236 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
	3240 com o motor OM 457.937	03/2005	-	mitsubishi	80.840.01	C- 002
	3240 com o motor OM 457.948	03/2005	-	mitsubishi	80.840.01	C- 002
	3240 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	3240 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
	3243 com o motor OM 457.937	03/2005	-	mitsubishi	80.840.01	C- 002
	3243 com o motor OM 457.948	03/2005	-	mitsubishi	80.840.01	C- 002
	3243 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	3243 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
	3340 com o motor OM 457.910	10/2004	-	mitsubishi	80.840.01	C- 002
	3340 com o motor OM 457.917	10/2004	-	mitsubishi	80.840.01	C- 002
	3340 com o motor OM 457.918	10/2004	-	mitsubishi	80.840.01	C- 002
	3340 com o motor OM 457.937	10/2004	-	mitsubishi	80.840.01	C- 002
	3340 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	3340 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
	3343 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	C- 002
	3343 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	C- 002
Citaro		01/1998	-	delco remy	80.280.04	B- 001
Cito		06/1999	-	delco remy	80.280.04	B- 001
Classe C (C-Class)	220 CDI (203.006) with OM 611.962 engine	05/2000	02/2003	bosch	80.110.02	A- 011
	250 D with OM 605.910 engine	05/1993	08/1995	bosch	80.110.02	A- 011
Classe E (E-Class)	E 270 OM 647.962	03/2002	03/2005	bosch	80.110.02	A- 011
	E 270 CDI (210.016) with OM 612.961	06/1999	03/2002	bosch	80.110.02	A- 011
Classe M (M-Class)	ML 270 CDI (163.113) with OM 612.963	11/1999	06/2005	bosch	80.110.02	A- 011
Conecto		11/2001	-	delco remy	80.280.04	B- 001
Econic		03/1998	-	delco remy	80.280.04	B- 001
Integro	550 com o motor OM 457.952	01/2006	-	mitsubishi	80.840.01	C- 002
	550 com o motor OM 457.964	01/2006	-	mitsubishi	80.840.01	C- 002
L 1013		01/1974	10/1977	bosch	80.102.01	A- 003
		11/1977	05/1979	bosch	80.102.02	A- 003
L 1111	com motor OM 352	04/1975	09/1976	bosch	80.102.01	A- 003
		10/1976	12/1980	bosch	80.102.02	A- 003
L 1113	com motor OM 352	01/1974	04/1987	bosch	80.132.01	A- 007
	com motor OM 352 A	04/1975	09/1976	bosch	80.102.01	A- 003
		10/1976	06/1987	bosch	80.102.02	A- 003
		01/1974	06/1987	bosch	80.132.01	A- 007
	with OM 352 A engine	01/1974	06/1987	bosch	80.132.01	A- 007
	with OM 352 engine	01/1974	04/1987	bosch	80.132.01	A- 007
		09/1978	04/1987	bosch	80.102.02	A- 003
L 1114	com motor OM 352	07/1987	-	bosch	80.102.02	A- 003
		06/1987	-	bosch	80.132.01	A- 007
	com motor OM 352 A	07/1987	-	bosch	80.132.01	A- 007
	com motor OM 364 LA	10/1994	-	bosch	80.102.02	A- 003
		10/1994	-	bosch	80.132.01	A- 007
	with OM 352 A engine	07/1987	-	bosch	80.132.01	A- 007
	with OM 352 engine	06/1987	-	bosch	80.132.01	A- 007
	with OM 364 LA engine	10/1994	-	bosch	80.132.01	A- 007
L 1116	com motor OM 352 A	-	-	bosch	80.102.05	A- 004
		08/1978	-	bosch	80.132.01	A- 007
	with OM 352 A engine	08/1978	-	bosch	80.132.01	A- 007
		08/1978	-	bosch	80.102.02	A- 003
L 1117	com motor OM 352 A	-	-	bosch	80.102.05	A- 004
		08/1983	-	bosch	80.132.01	A- 007
	com motor OM 366 A					



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L 1117	com motor OM 366 A	-	-	BOSCH	80.102.05	A- 004
	with OM 352 A engine	08/1983	-	BOSCH	80.132.01	A- 007
		11/1983	-	BOSCH	80.102.02	A- 003
L 1118	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	A- 007
		06/1983	-	BOSCH	80.102.02	A- 003
L 1214	com motor OM 366	-	-	BOSCH	80.103.01	A- 005
		-	-	BOSCH	80.103.04	A- 006
		04/1989	-	BOSCH	80.132.01	A- 007
	with OM 366 engine	04/1989	-	BOSCH	80.132.01	A- 007
L 1217	com motor OM 366 A	-	-	BOSCH	80.103.01	A- 005
		-	-	BOSCH	80.103.04	A- 006
		07/1995	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	07/1995	-	BOSCH	80.132.01	A- 007
L 1218	com motor OM 366 A	-	-	BOSCH	80.103.01	A- 005
		-	-	BOSCH	80.103.04	A- 006
		04/1989	-	BOSCH	80.132.01	A- 007
	com motor OM 366 A Euro 1	04/1998	-	BOSCH	80.132.01	A- 007
	with OM 366 A Euro 1 engine	04/1998	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	04/1989	-	BOSCH	80.132.01	A- 007
L 1313	A com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	A- 003
	A with OM 352 A engine	01/1974	-	BOSCH	80.132.01	A- 007
	com motor OM 352	01/1974	10/1977	BOSCH	80.102.01	A- 003
		01/1974	04/1987	BOSCH	80.132.01	A- 007
	com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	A- 003
		01/1974	06/1987	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	A- 007
L 1314	com motor OM 352	07/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	07/1987	-	BOSCH	80.132.01	A- 007
L 1316	A com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	A- 003
		01/1974	-	BOSCH	80.132.01	A- 007
	A with OM 352 A engine	01/1974	-	BOSCH	80.132.01	A- 007
	com motor OM 352 A	03/1974	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	03/1974	-	BOSCH	80.132.01	A- 007
L 1317	com motor OM 352 A	12/1985	-	BOSCH	80.103.02	A- 005
		12/1985	-	BOSCH	80.103.05	A- 006
		08/1983	-	BOSCH	80.132.01	A- 007
	com motor OM 366 A	-	-	BOSCH	80.102.05	A- 004
	with OM 352 A engine	08/1983	-	BOSCH	80.132.01	A- 007
L 1318	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	A- 007
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	A- 007
L 1319	com motor OM 366 LA	-	-	BOSCH	80.101.04	A- 001
		-	-	BOSCH	80.102.05	A- 004
		12/1985	12/2001	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	12/1985	12/2001	BOSCH	80.132.01	A- 007
L 1414	com motor OM 366	04/1989	-	BOSCH	80.132.01	A- 007
	with OM 366 engine	04/1989	-	BOSCH	80.132.01	A- 007
L 1418	com motor OM 366 A	-	-	BOSCH	80.101.04	A- 001
		-	-	BOSCH	80.103.01	A- 005
		-	-	BOSCH	80.103.04	A- 006
		04/1989	-	BOSCH	80.132.01	A- 007
	com motor OM 366 A Euro 1	04/1989	-	BOSCH	80.103.01	A- 005
		04/1989	-	BOSCH	80.103.04	A- 006
		04/1998	-	BOSCH	80.132.01	A- 007



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L 1418	with OM 366 A Euro 1 engine	04/1998	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	04/1989	-	BOSCH	80.132.01	A- 007
		-	-	BOSCH	80.130.04	A- 008
L 1420	com motor OM 366 LA	06/2001	-	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	06/2001	-	BOSCH	80.132.01	A- 007
L 1513	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	A- 007
L 1516	com motor OM 352 A	-	-	BOSCH	80.102.05	A- 004
		01/1974	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1974	-	BOSCH	80.132.01	A- 007
L 1517	com motor OM 352 A	12/1985	05/1989	BOSCH	80.103.02	A- 005
		12/1985	05/1989	BOSCH	80.103.05	A- 006
		06/1986	05/1989	BOSCH	80.132.01	A- 007
L 1518	com motor OM 352 A	06/1987	12/1997	BOSCH	80.132.01	A- 007
	with OM 352 A engine	06/1987	12/1997	BOSCH	80.132.01	A- 007
L 1519		-	-	BOSCH	80.101.04	A- 001
L 1614	com motor OM 366	04/1989	-	BOSCH	80.132.01	A- 007
	with OM 366 engine	04/1989	-	BOSCH	80.132.01	A- 007
L 1618	com motor OM 366 A	04/1989	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	04/1989	-	BOSCH	80.132.01	A- 007
		-	-	BOSCH	80.130.04	A- 008
L 1620	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 LA	06/1996	-	BOSCH	80.132.01	A- 007
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	with OM 366 LA engine	06/1996	-	BOSCH	80.132.01	A- 007
L 1621	com motor OM 366 LA	08/1989	-	BOSCH	80.132.01	A- 007
	with OM 366 LA engine	08/1989	-	BOSCH	80.132.01	A- 007
L 1717	com motor OM 366 A	07/1995	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	07/1995	-	BOSCH	80.132.01	A- 007
L 2013	com motor OM 352	04/1975	06/1987	BOSCH	80.102.01	A- 003
		01/1974	04/1987	BOSCH	80.132.01	A- 007
	com motor OM 352 A	01/1974	06/1987	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	A- 007
L 2014	com motor OM 352 A	07/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	07/1987	-	BOSCH	80.132.01	A- 007
L 2016	com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	A- 003
		01/1974	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1974	-	BOSCH	80.132.01	A- 007
L 2213	com motor OM 352	04/1975	09/1976	BOSCH	80.102.01	A- 003
		01/1974	04/1987	BOSCH	80.132.01	A- 007
	com motor OM 352 A	01/1974	06/1987	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	A- 007
L 2214	com motor OM 352	07/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	07/1987	-	BOSCH	80.132.01	A- 007
L 2215		01/1984	12/1986	BOSCH	80.102.01	A- 003
L 2216	com motor OM 352 A	01/1974	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1974	-	BOSCH	80.132.01	A- 007
		03/1974	09/1976	BOSCH	80.102.01	A- 003
L 2217	com motor OM 352 A	11/1985	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	11/1985	-	BOSCH	80.132.01	A- 007
L 2314	com motor OM 366	09/1989	-	BOSCH	80.132.01	A- 007
	with OM 366 engine	09/1989	-	BOSCH	80.132.01	A- 007
L 2318	com motor OM 366 A	07/1989	-	BOSCH	80.132.01	A- 007



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L 2318	with OM 366 A engine	07/1989	-	BOSCH	80.132.01	A- 007
L 2635	com motor OM 447 LA	09/1992	-	BOSCH	80.135.02	A- 002
L 608 D	com motor OM 314	09/1973	09/1976	BOSCH	80.102.01	A- 003
		09/1973	01/1987	BOSCH	80.132.01	A- 007
	with OM 314 engine	09/1973	01/1987	BOSCH	80.132.01	A- 007
		09/1973	01/1987	BOSCH	80.102.02	A- 003
L 610	com motor M 314-O álcool	01/1984	07/1989	BOSCH	80.102.01	A- 003
L 708 E	com motor OM 314	02/1987	12/1990	BOSCH	80.132.01	A- 007
	with OM 314 engine	02/1987	12/1990	BOSCH	80.132.01	A- 007
		02/1987	12/1990	BOSCH	80.102.02	A- 003
LA 1113	com motor OM 352	-	-	BOSCH	80.102.05	A- 004
		01/1974	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	-	BOSCH	80.132.01	A- 007
		11/1983	04/1987	BOSCH	80.102.02	A- 003
LA 1117	com motor OM 352 A	-	-	BOSCH	80.102.05	A- 004
		08/1983	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	08/1983	-	BOSCH	80.132.01	A- 007
		11/1983	-	BOSCH	80.102.02	A- 003
LA 1313	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	A- 007
LA 1513	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	A- 007
LA 2013	com motor OM 352	01/1974	08/1987	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	08/1987	BOSCH	80.132.01	A- 007
LA 2213	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	A- 007
LB 2218	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	A- 007
LB 2318	com motor OM 366 A	05/1990	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	05/1990	-	BOSCH	80.132.01	A- 007
LK 2218	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	A- 007
LK 2219		-	-	BOSCH	80.101.04	A- 001
LK 2318	com motor OM 366 A	02/1990	-	BOSCH	80.132.01	A- 007
	with OM 366 A engine	02/1990	-	BOSCH	80.132.01	A- 007
LK/LN2		03/1996	12/1998	DELCO REMY	80.280.04	B- 001
LO 708 E	com motor OM 314	02/1987	12/1990	BOSCH	80.132.01	A- 007
	with OM 314 engine	02/1987	12/1990	BOSCH	80.132.01	A- 007
LO 712	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
LO 809	com motor OM 364	03/1988	-	BOSCH	80.132.01	A- 007
	with OM 364 engine	03/1988	-	BOSCH	80.132.01	A- 007
		03/1988	-	BOSCH	80.102.02	A- 003
LO 812	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 364 A	03/1988	-	BOSCH	80.132.01	A- 007
	com motor OM 364 LA	01/2003	-	BOSCH	80.132.01	A- 007
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	B- 004
	with OM 364 A engine	03/1988	-	BOSCH	80.132.01	A- 007
	with OM 364 LA engine	01/2003	-	BOSCH	80.132.01	A- 007
LO 814	com motor OM 364 12V	-	08/2005	DELCO REMY	80.280.05	B- 002
		-	-	DELCO REMY	80.290.01	B- 004
	com motor OM 364 LA	06/1997	-	BOSCH	80.132.01	A- 007
	com motor OM 366 12V	-	08/2005	DELCO REMY	80.280.05	B- 002
		-	-	DELCO REMY	80.290.01	B- 004
	with OM 364 LA engine	06/1997	-	BOSCH	80.132.01	A- 007
		06/1997	-	BOSCH	80.102.02	A- 003
LO 914	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005



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LO 914	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.04	B- 001
LPO 1113	com motor OM 352 with OM 352 engine	06/1974	-	BOSCH	80.132.01	A- 007
		06/1974	-	BOSCH	80.132.01	A- 007
		11/1983	-	BOSCH	80.102.02	A- 003
LS 1313	A com motor OM 352 A	01/1985	01/1987	BOSCH	80.132.01	A- 007
LS 1518	com motor OM 352 A with OM 352 A engine	06/1987	-	BOSCH	80.132.01	A- 007
		06/1987	-	BOSCH	80.132.01	A- 007
LS 1625	com motor OM 449 A	07/2000	-	BOSCH	80.135.02	A- 002
LS 1630	com motor OM 449 LA	05/1990	-	BOSCH	80.135.02	A- 002
LS 1929		-	-	BOSCH	80.101.04	A- 001
LS 1932		-	-	BOSCH	80.101.04	A- 001
LS 1933		-	-	BOSCH	80.101.04	A- 001
LS 1934		-	-	BOSCH	80.101.04	A- 001
LS 1935	com motor OM 447 LA	07/2000	-	BOSCH	80.135.02	A- 002
LS 1941	com motor OM 447 LA	05/1990	-	BOSCH	80.135.02	A- 002
O 355	com motor OM 355-6	-	-	BOSCH	80.101.04	A- 001
O 362	com motor OM 352 A with OM 352 A engine	01/1975	-	BOSCH	80.132.01	A- 007
		01/1975	-	BOSCH	80.132.01	A- 007
		01/1975	10/1983	BOSCH	80.102.01	A- 003
O 364	com motor OM 352 com motor OM 352 A	01/1980	-	BOSCH	80.132.01	A- 007
		-	-	BOSCH	80.101.04	A- 001
		01/1980	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	01/1980	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1980	-	BOSCH	80.132.01	A- 007
O 365	com motor OM 352 com motor OM 355-5 with OM 352 engine	10/1987	-	BOSCH	80.132.01	A- 007
		-	-	BOSCH	80.101.04	A- 001
		10/1987	-	BOSCH	80.132.01	A- 007
O 371 U	com motor OM 366	08/1987	-	BOSCH	80.103.02	A- 005
		08/1987	-	BOSCH	80.103.05	A- 006
O 371 UL	com motor OM 366 LA Euro 1	07/1993	-	BOSCH	80.103.02	A- 005
		07/1993	-	BOSCH	80.103.05	A- 006
		09/1993	-	BOSCH	80.103.02	A- 005
		09/1993	-	BOSCH	80.103.05	A- 006
O 400R	com motor OM 449 A	03/1993	-	BOSCH	80.135.02	A- 002
O 400RS	com motor OM 447 LA	01/1993	-	BOSCH	80.135.02	A- 002
O 400RSD	com motor 447 LA	03/1993	-	BOSCH	80.135.02	A- 002
O 400RSL	com motor 447 LA	03/1993	-	BOSCH	80.135.02	A- 002
O 400UP	com motor OM 449 A	03/1993	-	BOSCH	80.135.02	A- 002
O 400UPA	com motor OM 449 LA	07/1995	-	BOSCH	80.135.02	A- 002
O 500M	com motor OM 904 eletrônico 24V com motor OM 906 eletrônico 24V com motor OM 924 eletrônico 24V com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	BOSCH	80.130.04	A- 008
		-	-	DELCO REMY	80.280.04	B- 001
O 500R	com motor OM 904 eletrônico 24V com motor OM 906 eletrônico 24V com motor OM 924 eletrônico 24V com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	BOSCH	80.130.04	A- 008
O 500U	com motor OM 904 eletrônico 24V com motor OM 906 eletrônico 24V com motor OM 924 eletrônico 24V com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	BOSCH	80.130.04	A- 008
		-	-	DELCO REMY	80.280.04	B- 001
OF		-	-	BOSCH	80.102.03	A- 003



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OF 1113	com motor OM 352	03/1988	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	03/1988	-	BOSCH	80.132.01	A- 007
OF 1114	com motor OM 352	01/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1987	-	BOSCH	80.132.01	A- 007
OF 1115	com motor OM 366	09/1987	-	BOSCH	80.103.02	A- 005
		09/1987	-	BOSCH	80.103.05	A- 006
OF 1313	com motor OM 352	03/1988	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	03/1988	-	BOSCH	80.132.01	A- 007
OF 1314	com motor OM 352	01/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1987	-	BOSCH	80.132.01	A- 007
OF 1315	com motor OM 366	09/1987	-	BOSCH	80.103.02	A- 005
		09/1987	-	BOSCH	80.103.05	A- 006
OF 1417	com motor OM 904 eletrônico 24V	01/2006	-	DELCO REMY	80.280.04	B- 001
		-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	01/2006	-	DELCO REMY	80.280.04	B- 001
		-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.291.02	B- 005
OF 1418	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
OF 1518	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
OF 1721	com motor OM 364 24V	-	-	DELCO REMY	80.291.01	B- 005
	com motor OM 366 24V	03/1998	-	BOSCH	80.103.02	A- 005
		03/1998	-	BOSCH	80.103.05	A- 006
		-	-	DELCO REMY	80.291.01	B- 005
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
		-	-	DELCO REMY	80.280.06	B- 002
		-	-	DELCO REMY	80.291.02	B- 005
OF 1722	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	B- 005
OF 812	com motor OM 364 A	05/1991	-	BOSCH	80.132.01	A- 007
	with OM 364 A engine	05/1991	-	BOSCH	80.132.01	A- 007
OH		-	-	BOSCH	80.102.03	A- 003
OH 1313	com motor OM 352	04/1982	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	04/1982	-	BOSCH	80.132.01	A- 007
OH 1314	com motor OM 352	01/1987	-	BOSCH	80.132.01	A- 007
	with OM 352 engine	01/1987	-	BOSCH	80.132.01	A- 007
OH 1315	G M 366 G	04/1993	-	BOSCH	80.103.02	A- 005
		04/1993	-	BOSCH	80.103.05	A- 006
OH 1316	com motor OM 352 A	10/1983	-	BOSCH	80.132.01	A- 007
	with OM 352 A engine	10/1983	-	BOSCH	80.132.01	A- 007
OH 1318		01/1988	-	BOSCH	80.103.02	A- 005
		01/1988	-	BOSCH	80.103.05	A- 006
OH 1419		-	-	BOSCH	80.101.04	A- 001
OH 1420	com motor OM 364 24V	-	-	DELCO REMY	80.291.01	B- 005
	com motor OM 366 24V	-	-	DELCO REMY	80.291.01	B- 005
		-	-	DELCO REMY	80.280.06	B- 002
OH 1517		-	-	BOSCH	80.101.04	A- 001
OH 1520		-	-	BOSCH	80.101.04	A- 001



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OH 1621 LG		10/1997	-	BOSCH	80.103.02	A- 005
		10/1997	-	BOSCH	80.103.05	A- 006
OH 1621L	com motor OM 364 24V	-	-	DELCO REMY	80.291.01	B- 005
	com motor OM 366 24V	-	-	DELCO REMY	80.291.01	B- 005
		-	-	DELCO REMY	80.280.06	B- 002
OH 1623	com motor OM 364 24V	-	03/2006	DELCO REMY	80.280.06	B- 002
		-	-	DELCO REMY	80.291.01	B- 005
	com motor OM 366 24V	-	03/2006	DELCO REMY	80.280.06	B- 002
		-	-	DELCO REMY	80.291.01	B- 005
OH 1623 LG		10/1998	-	BOSCH	80.103.02	A- 005
		10/1998	-	BOSCH	80.103.05	A- 006
Sprinter	310 D	-	-	BOSCH	80.130.01	A- 007
	311 DCI OM 611.981 DE LA 2.2L	08/2002	05/2006	BOSCH	80.110.02	A- 011
	312 CDI OM 602.980 DE LA 2.9L	-	-	BOSCH	80.110.02	A- 011
	412 D	-	-	BOSCH	80.130.01	A- 007
	OM 601.943 2.3L	02/1995	03/2000	BOSCH	80.110.02	A- 011
	OM 611.981 DE LA 2.2L	04/2000	05/2006	BOSCH	80.110.02	A- 011
	OM 612.981 DE LA 2.7L	02/2001	05/2006	BOSCH	80.110.02	A- 011
Travego	580 com o motor OM 542.948	10/1999	-	mitsubishi	80.840.01	C- 002
Unimog		03/2000	-	DELCO REMY	80.280.04	B- 001
Vario		09/1996	-	DELCO REMY	80.280.04	B- 001
Vito	OM 601.942 2.3L	11/1995	09/2003	BOSCH	80.110.02	A- 011
	OM 601.970 2.3L	11/1995	09/2003	BOSCH	80.110.02	A- 011
MITSUBISHI		de /from	até /until	M.Part./Starter	ZM	Pag.
L 200	2.5 TD 4X4	-	-	VALEO	80.201.04	F- 001
Pajero	2.5 TD	-	-	VALEO	80.201.04	F- 001
MIURA		de /from	até /until	M.Part./Starter	ZM	Pag.
Top Sport	2.0	04/1990	12/2000	BOSCH	80.106.04	A- 009
MWM		de /from	até /until	M.Part./Starter	ZM	Pag.
Diesel D		-	-	BOSCH	80.102.04	A- 003
SLC 7000 Series	TD 229-6	06/1986	-	BOSCH	80.102.17	A- 004
		-	-	BOSCH	80.102.04	A- 003
TD Series		-	-	BOSCH	80.102.04	A- 003
MÜLLER		de /from	até /until	M.Part./Starter	ZM	Pag.
VIBRO RT 62	com motor D 229-3	01/1981	-	BOSCH	80.102.17	A- 004
VIBRO RT 82	com motor D 229-3	01/1981	-	BOSCH	80.102.17	A- 004
NEW HOLLAND		de /from	até /until	M.Part./Starter	ZM	Pag.
Tractor	8000 Series	-	-	BOSCH	80.102.02	A- 003
	8040 Series	01/1984	07/1989	BOSCH	80.102.02	A- 003
	8055 Series	01/1984	07/1989	BOSCH	80.102.02	A- 003
PERKINS		de /from	até /until	M.Part./Starter	ZM	Pag.
Equipamento Industrial		-	-	DELCO REMY	80.280.09	B- 003
PUMA		de /from	até /until	M.Part./Starter	ZM	Pag.
7900		03/1996	-	BOSCH	80.102.07	A- 004
7900 T		02/1997	-	BOSCH	80.102.07	A- 004
RENAULT		de /from	até /until	M.Part./Starter	ZM	Pag.
Clio	1.6 16V	-	-	VALEO	80.201.01	F- 001
	1.8	-	-	VALEO	80.201.01	F- 001
Laguna	1.8L	01/1991	-	VALEO	80.201.01	F- 001
	2.0L	01/1991	-	VALEO	80.201.01	F- 001
Master	II Box 2.5 D	-	-	mitsubishi	80.993.01	C- 001
	II Bus 2.8 DTi	-	-	mitsubishi	80.993.01	C- 001
	II Flatbed 2.8 DTi	-	-	mitsubishi	80.993.01	C- 001
Megane	Gran Tour 2.0	01/1997	-	VALEO	80.201.01	F- 001
	Hatch 2.0	01/1997	-	VALEO	80.201.01	F- 001
	Scenic 2.0	01/1997	-	VALEO	80.201.01	F- 001
	Sedan 2.0	01/1997	-	VALEO	80.201.01	F- 001



RENAULT		de /from	até /until	M.Part./Starter	ZM	Pag.
R19	1.8L	01/1994	-	VALEO	80.201.01	F- 001
	2.0L	01/1994	-	VALEO	80.201.01	F- 001
Scénic	1.6L	01/1999	-	VALEO	80.201.01	F- 001
	2.0L	01/1999	-	VALEO	80.201.01	F- 001
SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
112 Series		-	-	BOSCH	80.101.02	A- 001
		01/1981	-	BOSCH	80.101.05	A- 002
113 Series		-	-	BOSCH	80.101.02	A- 001
		11/1990	-	BOSCH	80.101.05	A- 002
124 Serie	K	-	-	BOSCH	80.135.01	A- 002
	P	-	-	BOSCH	80.135.01	A- 002
	R	-	-	BOSCH	80.135.01	A- 002
	T	-	-	BOSCH	80.135.01	A- 002
360 Serie	P	-	-	BOSCH	80.135.01	A- 002
	R	-	-	BOSCH	80.135.01	A- 002
	T	-	-	BOSCH	80.135.01	A- 002
400 Serie	P	-	-	BOSCH	80.135.01	A- 002
	R	-	-	BOSCH	80.135.01	A- 002
	T	-	-	BOSCH	80.135.01	A- 002
420 Serie	P	-	-	BOSCH	80.135.01	A- 002
	R	-	-	BOSCH	80.135.01	A- 002
Chassis urbanos Série K		-	-	BOSCH	80.137.01	A- 002
Série DN		06/1991	-	BOSCH	80.101.05	A- 002
Série DS		06/1991	-	BOSCH	80.101.05	A- 002
Série DSC		06/1991	-	BOSCH	80.101.05	A- 002
Série DSI		06/1991	-	BOSCH	80.101.05	A- 002
Série P	P 230	09/2004	-	BOSCH	80.137.01	A- 002
	P 270	09/2004	-	BOSCH	80.137.01	A- 002
	P 310	09/2004	-	BOSCH	80.137.01	A- 002
	P 340	09/2004	-	BOSCH	80.137.01	A- 002
	P 380	09/2004	-	BOSCH	80.137.01	A- 002
	P 420	09/2004	-	BOSCH	80.137.01	A- 002
	P 470	09/2004	-	BOSCH	80.137.01	A- 002
	P 480	09/2004	-	BOSCH	80.137.01	A- 002
Série R	R 230	09/2004	-	BOSCH	80.137.01	A- 002
	R 270	09/2004	-	BOSCH	80.137.01	A- 002
	R 310	09/2004	-	BOSCH	80.137.01	A- 002
	R 340	09/2004	-	BOSCH	80.137.01	A- 002
	R 380	09/2004	-	BOSCH	80.137.01	A- 002
	R 420	09/2004	-	BOSCH	80.137.01	A- 002
	R 470	09/2004	-	BOSCH	80.137.01	A- 002
	R 480	09/2006	-	BOSCH	80.137.01	A- 002
Série T	T 340	09/2004	10/2005	BOSCH	80.137.01	A- 002
	T 380	09/2004	10/2005	BOSCH	80.137.01	A- 002
	T 420	09/2004	10/2005	BOSCH	80.137.01	A- 002
	T 470	09/2004	10/2005	BOSCH	80.137.01	A- 002
SLC		de /from	até /until	M.Part./Starter	ZM	Pag.
6200	Turbo	02/1984	-	BOSCH	80.102.01	A- 003
		07/1982	-	BOSCH	80.102.01	A- 003
7200	Turbo	02/1984	-	BOSCH	80.102.01	A- 003
7700	Turbo	03/1993	-	BOSCH	80.102.01	A- 003
SUZUKI		de /from	até /until	M.Part./Starter	ZM	Pag.
Grand Vitara	2.0 TD	01/1998	12/2000	DENSO	80.140.01	D- 001
Vitara	2.0 TD	01/1986	12/1998	DENSO	80.140.01	D- 001
TEREX		de /from	até /until	M.Part./Starter	ZM	Pag.
81 SH		-	-	DELCO REMY	80.456.01	B- 007
82 SH		-	-	DELCO REMY	80.456.01	B- 007



TEREX		de /from	até /until	M.Part./Starter	ZM	Pag.
83 SH		-	-	DELCO REMY	80.456.01	B- 007
84 SH		-	-	DELCO REMY	80.456.01	B- 007
S 11E		-	-	DELCO REMY	80.456.01	B- 007
TS 14		-	-	DELCO REMY	80.456.01	B- 007
TS 14B		-	-	DELCO REMY	80.456.01	B- 007
TTS 14		-	-	DELCO REMY	80.456.01	B- 007
TOYOTA		de /from	até /until	M.Part./Starter	ZM	Pag.
Bandeirante	com motor OM 364	01/1991	03/1994	BOSCH	80.132.01	A- 007
	with OM 364 engine	01/1991	03/1994	BOSCH	80.132.01	A- 007
		01/1991	01/2001	BOSCH	80.102.02	A- 003
Hilux	3.0 16V D Turbo Intercooler	-	-	BOSCH	80.978.01	A- 013
VALMET		de /from	até /until	M.Part./Starter	ZM	Pag.
110 ID	com motor 225-6	12/1973	07/1977	BOSCH	80.102.17	A- 004
		-	-	BOSCH	80.102.04	A- 003
118		-	-	BOSCH	80.102.04	A- 003
128		-	-	BOSCH	80.102.04	A- 003
138		-	-	BOSCH	80.102.04	A- 003
148		-	-	BOSCH	80.102.04	A- 003
62 ID	com motor D 225-3	12/1973	07/1977	BOSCH	80.102.17	A- 004
		-	-	BOSCH	80.102.04	A- 003
65 ID	com motor D 225-3	12/1973	07/1977	BOSCH	80.102.17	A- 004
		-	-	BOSCH	80.102.04	A- 003
685	ECO com motor D 229-3 VB	07/1994	-	BOSCH	80.102.17	A- 004
	com motor D 229-3 VA	08/1992	-	BOSCH	80.102.17	A- 004
78		-	-	BOSCH	80.102.04	A- 003
85 ID	com motor 225-4	12/1973	05/1981	BOSCH	80.102.17	A- 004
88		-	-	BOSCH	80.102.04	A- 003
880		-	-	BOSCH	80.102.04	A- 003
980		-	-	BOSCH	80.102.04	A- 003
VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
10-150	E com motor Cummins ISB Interact 6	06/2009	-	DELCO REMY	80.291.04	B- 005
12-140 T		06/1997	02/2000	BOSCH	80.102.07	A- 004
12-170 BT		06/1997	02/2000	BOSCH	80.102.06	A- 004
12-180		06/1990	02/2000	BOSCH	80.102.07	A- 004
13-150	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	E- 002
		01/2000	-	BOSCH	80.102.07	A- 004
13-170		03/2000	10/2001	BOSCH	80.102.06	A- 004
13-180	E com motor Cummins ISB Interact 6	06/2009	-	DELCO REMY	80.291.04	B- 005
	Euro II e III mecânico com motor MWM 6.10 TCA	-	-	DELCO REMY	80.290.02	B- 004
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	E- 002
	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
		03/2000	-	BOSCH	80.102.07	A- 004
13-190	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	E- 001
		10/2001	-	BOSCH	80.102.06	A- 004
14-150		07/1991	02/2000	BOSCH	80.102.07	A- 004
14-170 BT		06/1997	02/2000	BOSCH	80.102.06	A- 004
14-180		11/1999	02/2000	BOSCH	80.102.07	A- 004
14-200		07/1991	07/1994	BOSCH	80.102.07	A- 004
15-170		03/2000	10/2001	BOSCH	80.102.06	A- 004
15-180	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	E- 002
	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
15-190	E com motor Cummins ISB Interact 6	06/2009	-	DELCO REMY	80.291.04	B- 005
	EOD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	com motor Cummins ISB Interact 4	-	06/2009	DELCO REMY	80.290.03	B- 004
	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	E- 001
16-170	BT	05/1993	02/2000	BOSCH	80.102.06	A- 004
		05/1993	02/2000	BOSCH	80.102.06	A- 004



VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
16-180	CO com motor 6.10	03/1993	06/1997	BOSCH	80.103.03	A- 005
		03/1993	06/1997	BOSCH	80.103.06	A- 006
16-200		05/1993	02/2000	BOSCH	80.102.06	A- 004
16-210	CO com motor 6.10 TCA	06/1997	08/2001	BOSCH	80.103.03	A- 005
		06/1997	08/2001	BOSCH	80.103.06	A- 006
17-180	Euro II e III mecânico com motor MWM 6.10 TCA	-	-	DELCO REMY	80.290.02	B- 004
17-210	EOD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	OD com motor 6.10 TCA	07/2001	-	BOSCH	80.103.03	A- 005
		07/2001	-	BOSCH	80.103.06	A- 006
	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	E- 001
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	E- 002
		01/2000	-	BOSCH	80.102.06	A- 004
17-220	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
17-230	EOD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	Utronic com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
17-240 OT	com motor 6.10 TCA	03/2001	-	BOSCH	80.103.03	A- 005
		03/2001	-	BOSCH	80.103.06	A- 006
17-250	E com motor Cummins ISB Interact 6	10/2009	-	DELCO REMY	80.291.04	B- 005
	com motor Cummins ISB Interact 6	-	06/2009	DELCO REMY	80.290.03	B- 004
17-260	OD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	Utronic com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
17-310	com motor Cummins 6CTAA 8.3 Litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
17-320 E	com motor Cummins	-	-	DELCO REMY	80.380.01	B- 006
18-310 Titan Tractor	com motor Cummins ISC 8.3L	-	-	DELCO REMY	80.380.01	B- 006
		-	-	DELCO REMY	80.450.02	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
18-320 EVO	com motor Cummins	-	-	DELCO REMY	80.380.01	B- 006
19-360 E	com motor Cummins	-	-	DELCO REMY	80.380.01	B- 006
19-370	com motor International 9.3 litros	-	-	DELCO REMY	80.380.01	B- 006
23-210	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	E- 001
	com motor Cummins 6CTAA 8.3 Litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	E- 002
23-220	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
23-310	com motor Cummins 6CTAA 8.3 Litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
24-220	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	B- 006
		-	-	DELCO REMY	80.380.03	B- 007
24-250	E com motor Cummins ISB Interact 6	-	-	DELCO REMY	80.291.04	B- 005
	com motor Cummins ISB Interact 6	-	06/2009	DELCO REMY	80.290.03	B- 004
24-320 E	com motor Cummins	-	-	DELCO REMY	80.380.01	B- 006
25-320 E	com motor Cummins	-	-	DELCO REMY	80.380.01	B- 006
25-370	com motor International 9.3 litros	-	-	DELCO REMY	80.380.01	B- 006
25-370 E	com motor Cummins	-	-	DELCO REMY	80.380.01	B- 006
26-220	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
26-260	E com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004



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26-310	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	B- 007
		-	-	DELCO REMY	80.450.01	B- 006
		-	-	PRESTOLITE	80.481.01	E- 004
31-260E	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
31-370	com motor International 9.3 litros	-	-	DELCO REMY	80.380.01	B- 006
7-100		03/1994	02/2002	BOSCH	80.102.07	A- 004
7-120		03/2002	-	BOSCH	80.102.07	A- 004
7.10	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	E- 002
8-100		03/1997	02/2000	BOSCH	80.102.07	A- 004
8-120	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	B- 004
	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	E- 002
		10/2001	-	BOSCH	80.102.07	A- 004
8-120 OD	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	B- 004
8-140	CO/CE com motor 4.10 T	04/1994	01/2001	BOSCH	80.102.07	A- 004
		03/1994	02/2000	BOSCH	80.102.07	A- 004
8-150	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	B- 004
	FEB com motor Cummins ISB Interact 4	-	-	DELCO REMY	80.291.04	B- 005
	OD com motor 4.10 TCA	01/2001	-	BOSCH	80.102.07	A- 004
	ODC com motor Cummins ISB Interact 4	-	-	DELCO REMY	80.291.04	B- 005
	ODM Delivery com motor eletrônico Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	ODM com motor eletrônico Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	com motor Cummins ISB Interact 4	-	06/2009	DELCO REMY	80.290.03	B- 004
		06/2009	-	DELCO REMY	80.291.04	B- 005
	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	E- 002
		03/2000	-	BOSCH	80.102.07	A- 004
9-150	E com motor Cummins ISB Interact 4	06/2009	-	DELCO REMY	80.291.04	B- 005
	EOD com motor eletrônico MWM Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	B- 004
	OD com motor MWM 4.10 TCA	11/2000	-	BOSCH	80.102.07	A- 004
	ODC com motor Cummins ISB Interact 4	-	-	DELCO REMY	80.291.04	B- 005
B 16-180	com motor 6.10	09/1995	06/1997	BOSCH	80.103.03	A- 005
		09/1995	06/1997	BOSCH	80.103.06	A- 006
Brasília	1.3 com motor BK	10/1973	12/1981	BOSCH	80.106.07	A- 010
	1.6 com motor BN	10/1973	12/1982	BOSCH	80.106.07	A- 010
Caminhão	13.180 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
	15.180 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
	17.210 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
	17.240 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
	17.260 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
	26.260 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
	31.260 com motor MWM Eletrônico	-	-	mitsubishi	80.890.03	C- 001
Fox		01/1991	12/1993	BOSCH	80.106.04	A- 009
Fusca	1.6	10/1986	01/1989	BOSCH	80.106.01	A- 008
	1.6 UFA	09/1983	06/1996	BOSCH	80.115.05	A- 013
	1.6 UJA	08/1993	06/1996	BOSCH	80.115.05	A- 013
	1300 1.3	01/1974	12/1979	BOSCH	80.106.07	A- 010
	1500 1.5	10/1970	10/1975	BOSCH	80.106.07	A- 010
	1600	08/1993	06/1996	BOSCH	80.106.07	A- 010
		01/1969	07/1982	BOSCH	80.106.07	A- 010
		01/1989	10/1986	BOSCH	80.106.07	A- 010
	1600 (México)	05/1973	09/1992	BOSCH	80.106.07	A- 010
	1600i (México)	10/1992	07/2003	BOSCH	80.106.07	A- 010
GR1600		08/1993	06/1996	BOSCH	80.106.01	A- 008
		02/1988	05/1993	BOSCH	80.106.01	A- 008
Gol	1.3	05/1980	09/1981	BOSCH	80.106.07	A- 010
	1.6	07/1982	08/1986	BOSCH	80.106.07	A- 010
	1.6 AP	01/1987	-	BOSCH	80.106.08	A- 010



VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
Gol	1.8	02/1984	08/1987	BOSCH	80.106.04	A- 009
	I 1.8	09/1987	05/1994	BOSCH	80.106.04	A- 009
	I 2.0 GTI	11/1985	08/1994	BOSCH	80.106.04	A- 009
	II 1.0 Mi	09/1998	05/2002	BOSCH	80.125.01	A- 011
	II 1.8 Mi com motor UDD	06/1994	01/1997	BOSCH	80.120.01	A- 011
	II 1.8i com motor UED	06/1994	01/1997	BOSCH	80.120.01	A- 011
	II 2.0	06/1994	01/1997	BOSCH	80.120.01	A- 011
	II 2.0Mi	06/1994	01/1997	BOSCH	80.120.01	A- 011
	III 1.0 16V Turbo	06/2000	05/2002	BOSCH	80.125.01	A- 011
	III 1.0 Mi	09/1999	-	BOSCH	80.125.01	A- 011
	III 1.0Mi 16V	05/1999	05/2002	BOSCH	80.125.01	A- 011
Golf	1.8i	12/1994	12/1997	VALEO	80.201.02	F- 001
Inca	1.6 EFI	11/1998	05/2001	BOSCH	80.110.01	A- 011
Karman Ghia	1600	01/1970	07/1974	BOSCH	80.106.07	A- 010
Kombi	1.4 Total Flex BJT	01/2006	-	BOSCH	80.115.05	A- 013
	1.6 Mi UGA	01/1997	12/2005	BOSCH	80.115.05	A- 013
	1.6 Mi UKA	02/1998	12/2005	BOSCH	80.115.05	A- 013
	1.6 com motor UG	01/1984	12/1997	BOSCH	80.106.01	A- 008
		01/1984	12/1997	BOSCH	80.106.07	A- 010
	1.6 com motor UK	01/1989	01/1998	BOSCH	80.106.01	A- 008
		01/1989	01/1998	BOSCH	80.106.07	A- 010
	1.6i com motor UGA	01/1998	-	BOSCH	80.106.01	A- 008
		01/1998	-	BOSCH	80.106.07	A- 010
	1.6i com motor UKA	11/1997	-	BOSCH	80.106.01	A- 008
		11/1997	-	BOSCH	80.106.07	A- 010
	com motor 1.6 diesel	08/1993	-	BOSCH	80.106.01	A- 008
L 80	com motor MWM 4.3	08/1996	-	BOSCH	80.103.03	A- 005
		08/1996	-	BOSCH	80.103.06	A- 006
Logus	1.6	01/1993	10/1994	BOSCH	80.110.01	A- 011
	1.6i	10/1994	12/1996	BOSCH	80.110.01	A- 011
	1.8	12/1992	05/1994	BOSCH	80.110.01	A- 011
	1.8i	10/1994	12/1996	BOSCH	80.110.01	A- 011
	2.0	12/1992	06/1994	BOSCH	80.110.01	A- 011
	2.0 Mi	12/1992	12/1996	BOSCH	80.110.01	A- 011
Parati	1.6	06/1993	02/2005	BOSCH	80.120.01	A- 011
	1.6 AP	01/1987	-	BOSCH	80.106.08	A- 010
	1.8	06/1993	02/2005	BOSCH	80.120.01	A- 011
	2.0Mi	10/1996	-	BOSCH	80.120.01	A- 011
	I 1.8	11/1989	12/1995	BOSCH	80.106.04	A- 009
	II 1.0 Mi 16V	08/1997	-	BOSCH	80.125.01	A- 011
	II 1.8 Mi com motor UDD	10/1996	-	BOSCH	80.120.01	A- 011
	II 1.8Mi	06/1993	02/2005	BOSCH	80.120.01	A- 011
	II 2.0Mi	06/1993	02/2005	BOSCH	80.120.01	A- 011
	III 1.0 16V Turbo	06/2000	-	BOSCH	80.125.01	A- 011
	III 1.0 Mi 16V	05/1999	-	BOSCH	80.125.01	A- 011
	III 1.8 Mi com motor UDD	10/1996	-	BOSCH	80.120.01	A- 011
	III 1.8Mi	06/1993	02/2005	BOSCH	80.120.01	A- 011
	III 2.0 Mi	10/1996	-	BOSCH	80.120.01	A- 011
Passat	1.5	08/1979	07/1982	BOSCH	80.106.08	A- 010
	1.6	05/1982	12/1983	BOSCH	80.106.08	A- 010
		01/1980	12/1988	BOSCH	80.106.04	A- 009
Pointer	1.8	11/1993	06/1994	BOSCH	80.110.01	A- 011
	1.8i	05/1994	12/1996	BOSCH	80.110.01	A- 011
	2.0	11/1993	10/1994	BOSCH	80.110.01	A- 011
	2.0 Mi	05/1994	12/1996	BOSCH	80.110.01	A- 011
Quantum	1.8	09/1985	12/1996	BOSCH	80.106.04	A- 009
		03/1993	02/2005	BOSCH	80.120.01	A- 011
	1.8 Mi com motor UDE	03/1993	02/2005	BOSCH	80.120.01	A- 011
	1.8 Mi com motor UDJ	02/1998	-	BOSCH	80.120.01	A- 011



VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
Quantum	1.8i	09/1985	12/1996	BOSCH	80.106.04	A- 009
	2.0 Mi	03/1993	02/2005	BOSCH	80.120.01	A- 011
	2.0 Mi com motor UDJ	02/1998	-	BOSCH	80.120.01	A- 011
	2.0i	03/1993	02/2005	BOSCH	80.120.01	A- 011
	2.0i com motor UQC	03/1993	12/1996	BOSCH	80.120.01	A- 011
Santana	1.8 Mi	02/1993	02/2005	BOSCH	80.120.01	A- 011
	1.8i com motor UDB	02/1993	02/2005	BOSCH	80.120.01	A- 011
	2.0 Mi	02/1993	02/2005	BOSCH	80.120.01	A- 011
	2.0i	02/1993	02/2005	BOSCH	80.120.01	A- 011
	2.0i com motor UQC	02/1998	-	BOSCH	80.120.01	A- 011
		02/1993	09/1996	BOSCH	80.120.01	A- 011
		01/1981	12/1984	BOSCH	80.106.04	A- 009
Saveiro	1.6 AP	01/1987	-	BOSCH	80.106.08	A- 010
	1.8 Mi	09/1994	02/2005	BOSCH	80.120.01	A- 011
	1.8 com motor UD	09/1994	02/2005	BOSCH	80.120.01	A- 011
	2.0 Mi	09/1994	02/2005	BOSCH	80.120.01	A- 011
	II 1.6 Mi	09/1994	02/2005	BOSCH	80.120.01	A- 011
	III 1.6 Mi	02/2000	-	BOSCH	80.120.01	A- 011
		09/1994	02/2005	BOSCH	80.120.01	A- 011
	III 1.8 Mi	02/2000	-	BOSCH	80.120.01	A- 011
	III 2.0 Mi	02/2000	-	BOSCH	80.120.01	A- 011
Titan	19.320 com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.01	B- 006
	31.230 com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.01	B- 006
Transporter	1.6	05/1979	07/1989	BOSCH	80.106.07	A- 010
		01/1984	11/1989	BOSCH	80.106.07	A- 010
Van	1.6 Mi	11/1998	05/2001	BOSCH	80.110.01	A- 011
Variant	II	01/1978	12/1981	BOSCH	80.106.07	A- 010
		12/1969	12/1977	BOSCH	80.106.07	A- 010
Voyage	1.5	06/1980	04/1982	BOSCH	80.106.08	A- 010
	1.6 AP	01/1987	-	BOSCH	80.106.08	A- 010
	1.8 com motor UD	09/1986	12/1995	BOSCH	80.120.01	A- 011
Ônibus 16.210	4.10 TCA	-	-	PRESTOLITE	80.480.05	E- 002
Ônibus 17.210OD	4.10 TCA	-	-	PRESTOLITE	80.480.05	E- 002
Ônibus 17.240OT	4.10 TCA	-	-	PRESTOLITE	80.480.05	E- 002
Ônibus 8.150OD	4.10 TCA	-	-	PRESTOLITE	80.480.05	E- 002
Ônibus 9.150OD	4.10 TCA	-	-	PRESTOLITE	80.480.05	E- 002
VOLVO		de /from	até /until	M.Part./Starter	ZM	Pag.
B12	com motor D12A420	01/1992	-	MITSUBISHI	80.840.02	C- 002
		01/1992	-	MITSUBISHI	80.890.01	C- 001
		-	-	BOSCH	80.101.03	A- 001
Escavadeira	EC290BLC	-	-	MITSUBISHI	80.890.04	C- 002
FH12	340 com motor D12A340	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	340 com motor D12C340	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	340 com motor D12D340	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	380 com motor D12A380	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	380 com motor D12C380	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	380 com motor D12D380	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	420 com motor D12A420	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	420 com motor D12C420	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001
	420 com motor D12D420	08/1993	-	MITSUBISHI	80.840.02	C- 002
		08/1993	-	MITSUBISHI	80.890.01	C- 001



VOLVO		de /from	até /until	M.Part./Starter	ZM	Pag.
FH12	460 com motor D12C460	08/1998	-	mitsubishi	80.840.02	C- 002
		08/1998	-	mitsubishi	80.890.01	C- 001
	460 com motor D12D460	08/1998	-	mitsubishi	80.840.02	C- 002
		08/1998	-	mitsubishi	80.890.01	C- 001
	500 com motor D12D500	09/2001	-	mitsubishi	80.840.02	C- 002
		09/2001	-	mitsubishi	80.890.01	C- 001
FM 12	340 com motor D12C340	-	-	DELCO REMY	80.380.02	B- 006
		08/1998	09/2005	mitsubishi	80.840.02	C- 002
	340 com motor D12D340	08/1998	09/2005	mitsubishi	80.890.01	C- 001
		08/1998	09/2005	mitsubishi	80.840.02	C- 002
	380 com motor D12C380	08/1998	09/2005	mitsubishi	80.840.02	C- 002
		08/1998	09/2005	mitsubishi	80.890.01	C- 001
	380 com motor D12D380	08/1998	09/2005	mitsubishi	80.840.02	C- 002
		08/1998	09/2005	mitsubishi	80.890.01	C- 001
	420 com motor D12C420	08/1998	09/2005	mitsubishi	80.840.02	C- 002
		08/1998	09/2005	mitsubishi	80.890.01	C- 001
	420 com motor D12D420	08/1998	09/2005	mitsubishi	80.840.02	C- 002
		08/1998	09/2005	mitsubishi	80.890.01	C- 001
Motores Estacionários	PENTA TAD650VE	-	-	mitsubishi	80.890.04	C- 002
	TAD660VE	-	-	mitsubishi	80.890.04	C- 002
	TAD721GE	-	-	mitsubishi	80.890.04	C- 002
	TAD722GE	-	-	mitsubishi	80.890.04	C- 002
N10		-	-	BOSCH	80.101.03	A- 001
N12		-	-	BOSCH	80.101.03	A- 001
NH12		-	-	DELCO REMY	80.380.02	B- 006
NL10		-	-	BOSCH	80.101.03	A- 001
NL12		-	-	BOSCH	80.101.03	A- 001
VM 210	com motor eletrônico Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
VM 260	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
VM 310	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	B- 005
YALE		de /from	até /until	M.Part./Starter	ZM	Pag.
Lift Trucks	with Mazda F2 engine	-	-	BOSCH	80.106.21	A- 010
	with Mazda FE engine	-	-	BOSCH	80.106.21	A- 010
	with Mazda VA engine	-	-	BOSCH	80.106.21	A- 010
YANMAR		de /from	até /until	M.Part./Starter	ZM	Pag.
Motor Estacionário e Marítimo		-	-	BOSCH	80.103.07	A- 006
YUTONG		de /from	até /until	M.Part./Starter	ZM	Pag.
ZH6118H	CUMMINS L325 20 EURO II 6Cil.	-	-	DELCO REMY	80.380.02	B- 006
ZANELLO		de /from	até /until	M.Part./Starter	ZM	Pag.
Tractor 230	com motor B Cummins 5.9 litros	-	-	PRESTOLITE	80.480.08	E- 002
Trator 250	com motor B Cummins 5.9 litros	-	-	PRESTOLITE	80.480.08	E- 002



Nº ZM. ZM Nr.	Pag. Page	Impulsor de Partida Pinion	Relé de Partida Starter Relay	Induzido Armature	Carcaça Polar Pole Shoes (ASM)	Porta Escovas Brush Holder	Mancal de Acionamento Frontal Bracket	Mancal Coletor Rear Bracket	Mancal Intermediário Intermediate Bracket	Planetária Planet Gear
80.101.01	A-001	X	X	X	X	X	X	X	X	
80.101.02	A-001	X	X	X	X	X	X	X	X	
80.101.03	A-001	X	X	X	X	X	X	X	X	
80.101.04	A-001	X	X	X	X	X	X	X	X	
80.101.05	A-002	X	X	X	X	X	X	X	X	
80.102.01	A-003	X	X	X	X	X	X	X	X	
80.102.02	A-003	X	X	X	X	X	X	X	X	
80.102.03	A-003	X	X	X	X	X	X	X	X	
80.102.04	A-003	X	X	X	X	X	X	X	X	
80.102.05	A-004	X	X	X	X	X	X	X	X	
80.102.06	A-004	X	X	X	X	X	X	X	X	
80.102.07	A-004	X	X	X	X	X	X	X	X	
80.102.17	A-004	X	X	X	X	X	X	X	X	
80.102.18	A-005	X	X	X	X	X	X	X	X	
80.103.01	A-005	X	X	X	X	X	X	X	X	
80.103.02	A-005	X	X	X	X	X	X	X	X	
80.103.03	A-005	X	X	X	X	X	X	X	X	
80.103.04	A-006	X	X	X	X	X	X	X	X	
80.103.05	A-006	X	X	X	X	X	X	X	X	
80.103.06	A-006	X	X	X	X	X	X	X	X	
80.103.07	A-006	X	X	X	X	X	X	X	X	
80.106.01	A-008	X	X	X	X	X	X	X		
80.106.02	A-009	X	X	X	X	X	X	X		
80.106.03	A-009	X	X	X	X	X	X	X		
80.106.04	A-009	X	X	X	X	X	X	X		
80.106.05	A-009	X	X	X	X	X	X	X		
80.106.06	A-010	X	X	X	X	X	X	X		
80.106.07	A-010	X	X	X	X	X	X	X		
80.106.08	A-010	X	X	X	X	X	X	X		
80.106.21	A-010	X	X	X	X	X	-	X		
80.110.01	A-011	X	X	X	X	X	X	X	X	X
80.110.02	A-011	X	X	-	X	X	X	X	X	-
80.110.03	A-012	X	X	X	X	X	X	X	X	X
80.110.04	A-012	X	X	X	X	X	X	X	X	X
80.115.01	A-012	X	X	X	X	X	X	X		
80.115.02	A-012	X	X	X	X	X	X	X		
80.115.03	A-013	X	X	X	X	X	X	X		
80.115.05	A-013	X	X	X	X	X	X	X		
80.120.01	A-011	X	X	X	X	X	X	X	X	X
80.125.01	A-011	X	X	X	X	X	X	X	X	-
80.130.01	A-007	X	X	X	X	X	X	X	X	X
80.130.02	A-007	X	X	X	X	X	X	X	X	X
80.130.03	A-007	X	X	X	X	X	X	X	X	X
80.130.04	A-008	X	X	X	X	X	X	X	X	X
80.130.05	A-008	X	X	X	X	X	X	X	X	X
80.130.06	A-008	X	X	X	X	X	X	X	X	X
80.130.07	G-001	-	X	X	X	X	-	X	X	X
80.132.01	A-007	X	X	X	X	X	X	X	X	X
80.135.01	A-002	X	X	X	X	X	X	X	X	
80.135.02	A-002	X	X	X	X	X	X	X	X	
80.137.01	A-002	X	X	X	X	X	X	X	X	X
80.140.01	D-001	X	X	X	X	X	X	X	X	X
80.140.02	D-001	X	X	X	X	X	X	X	X	X
80.201.01	F-001	X	X	X	X	X	X	X	X	X
80.201.02	F-001	X	X	X	X	X	X	X	X	X
80.201.03	F-001	X	X	X	X	X	X	X	X	X
80.201.04	F-001	-	X	-	X	X	-	X	X	X
80.201.08	F-002	-	X	X	X	X	X	X	X	X
80.280.01	B-001	X	X	X	X	X	X	X	X	X
80.280.02	B-001	X	X	X	X	X	X	X	X	X
80.280.03	B-001	X	X	X	X	X	X	X	X	X
80.280.04	B-001	X	X	X	X	X	X	X	X	X
80.280.05	B-002	X	X	X	X	X	X	X	X	X

LEGENDA
X
-

Não aplica o componente / Do not apply the component

Componente intercambiável com original / Component interchangeable with original

Componente não intercambiável com original / Component is not interchangeable with original



Nº ZM. ZM Nr.	Pag. Page	Impulsor de Partida Pinion	Relé de Partida Starter Relay	Induzido Armature	Carcaça Polar Pole Shoes (ASM)	Porta Escovas Brush Holder	Mancal de Acionamento Frontal Bracket	Mancal Coletor Rear Bracket	Mancal Intermediário Intermediate Bracket	Planetária Planet Gear
80.280.06	B-002	X	X	X	X	X	X	X	X	X
80.280.07	B-002	X	X	X	X	X	X	X	X	X
80.280.08	B-002	X	X	X	X	X	X	X	X	X
80.280.09	B-003	X	X	X	X	X	X	X	X	X
80.280.10	B-003	X	X	X	X	X	X	X	X	X
80.280.11	B-003	X	X	X	X	X	X	X	X	X
80.280.12	B-003	X	X	X	X	X	X	X	X	X
80.280.13	B-004	X	X	X	X	X	X	X	X	X
80.290.01	B-004	X	X	X	X	X	X	X	X	X
80.290.02	B-004	X	X	X	X	X	X	X	X	X
80.290.03	B-004	X	X	X	X	X	X	X	X	X
80.291.01	B-005	X	X	X	X	X	X	X	X	X
80.291.02	B-005	X	X	X	X	X	X	X	X	X
80.291.03	B-005	X	X	X	X	X	X	X	X	X
80.291.04	B-005	X	X	X	X	X	X	X	X	X
80.380.01	B-006	X	X	X	X	X	X	X	X	X
80.380.02	B-006	X	X	X	X	X	X	X	X	X
80.380.03	B-007	X	X	X	X	X	X	X	X	X
80.450.01	B-006	X	X	X	X	X	X	X	X	
80.450.02	B-006	X	X	X	X	X	X	X	X	
80.456.01	B-007	X	X	X	X	X	X	X	X	
80.480.01	E-001	X	X	X	X	X	X	X	X	X
80.480.02	E-001	X	X	X	X	X	X	X	X	X
80.480.03	E-001	X	X	X	X	X	X	X	X	X
80.480.04	E-001	X	X	X	X	X	X	X	X	X
80.480.05	E-002	X	X	X	X	X	X	X	X	X
80.480.06	E-002	X	X	X	X	X	X	X	X	X
80.480.07	E-002	X	X	X	X	X	X	X	X	X
80.480.08	E-002	X	X	X	X	X	X	X	X	X
80.480.09	E-003	X	X	X	X	X	X	X	X	X
80.480.10	E-003	X	X	X	X	X	X	X	X	X
80.480.11	E-003	X	X	X	X	X	X	X	X	X
80.480.12	E-003	X	X	X	X	X	X	X	X	X
80.481.01	E-004	X	X	X	X	X	X	X	X	X
80.481.02	E-004	X	X	X	X	X	X	X	X	X
80.481.03	E-004	X	X	X	X	X	X	X	X	X
80.705.01	D-001	X	X	X	X	X	X	X	X	X
80.705.02	D-001	-	-	-	-	-	-	-	-	-
80.705.03	D-002	X	X	-	-	X	X	X	X	X
80.840.01	C-002	X	X	X	X	X	X	X	X	X
80.840.02	C-002	X	X	X	X	X	X	X	X	X
80.890.01	C-001	X	X	X	X	X	X	X	X	X
80.890.02	C-001	X	X	X	X	X	X	X	X	X
80.890.03	C-001	X	X	X	X	X	X	X	X	X
80.890.04	C-002	X	X	X	X	X	X	X	X	X
80.978.01	A-013	X	X	X	X	X	X	X	X	X
80.993.01	C-001	X	X	X	X	X	X	X	X	X

LEGENDA

X

-

Não aplica o componente / Do not apply the component

Componente intercambiável com original / Component interchangeable with original

Componente não intercambiável com original / Component is not interchangeable with original



A series of horizontal lines for writing notes, set against a light gray grid background.



COMPONENTES

SPARE PARTS



COMPONENTES - MOTORES DE PARTIDA / SPARE PARTS- STARTER MOTORS

Referência - BOSCH / BOSCH - Reference	K
Referência - DELCO REMY / DELCO REMY - Reference	L
Referência - MITSUBISHI / MITSUBISHI - Reference	M
Referência - DENSO / DENSO - Reference	N
Referência - PRESTOLITE / PRESTOLITE - Reference	O
Referência - VALEO / VALEO - Reference	P
Referência - WAPSA / WAPSA - Reference	Q
EQUIVALÊNCIA - COMPONENTE ORIGINAL PARA COMPONENTE ZM / CROSS REFERENCE - OEM SPARE PARTS TO ZM SPARE PARTS	R
EQUIVALÊNCIA - MOTOR DE PARTIDA ORIGINAL PARA MOTORES DE PARTIDA ZM / CROSS REFERENCE - OEM STARTER TO ZM STARTER	S

Nº ZM ZM Nr.	Pag. Page	Nº ZM ZM Nr.	Pag. Page	Nº ZM ZM Nr.	Pag. Page	Nº ZM ZM Nr.	Pag. Page	Nº ZM ZM Nr.	Pag. Page	Nº ZM ZM Nr.	Pag. Page
89.100.00	K- 013	89.167.02	K- 011	89.510.02	Q- 001	89.860.01	M- 003				
89.100.01	K- 013	89.167.03	K- 011	89.510.05	Q- 001	89.865.00	M- 004				
89.105.00	K- 014	89.167.04	K- 011	89.510.06	Q- 002	89.865.01	M- 004				
89.105.01	K- 014	89.200.00	K- 012	89.510.11	Q- 002	89.867.00	M- 004				
89.107.00	K- 014	89.205.00	K- 012	89.515.00	Q- 002	89.890.00	M- 001				
89.107.01	K- 014	89.207.00	K- 012	89.515.01	Q- 002	89.890.01	M- 001				
89.110.00	K- 001	89.210.00	P- 001	89.700.01	L- 006	89.890.02	M- 001				
89.110.01	K- 001	89.215.00	P- 001	89.700.02	L- 008	89.890.03	M- 001				
89.110.03	K- 001	89.217.00	P- 001	89.704.01	L- 006	89.895.00	M- 002				
89.115.00	K- 002	89.250.00	K- 012	89.704.02	L- 009	89.895.01	M- 002				
89.117.00	K- 001	89.255.00	K- 013	89.705.01	L- 007	89.895.02	M- 002				
89.117.01	K- 002	89.257.00	K- 013	89.705.02	L- 009	89.895.03	M- 002				
89.120.00	K- 003	89.300.00	K- 007	89.707.01	L- 007	89.897.00	M- 003				
89.120.01	K- 003	89.300.01	K- 007	89.707.02	L- 007	89.897.01	M- 003				
89.120.02	K- 003	89.305.00	K- 007	89.707.03	L- 009	89.900.00	L- 003				
89.120.05	K- 004	89.305.01	K- 007	89.800.00	L- 001	89.900.01	L- 004				
89.124.00	K- 004	89.307.00	K- 008	89.800.01	L- 001	89.900.02	L- 004				
89.124.01	K- 004	89.307.01	K- 008	89.804.00	L- 001	89.900.03	L- 004				
89.125.00	K- 004	89.320.00	K- 006	89.804.01	L- 002	89.900.04	L- 004				
89.127.00	K- 005	89.325.00	K- 006	89.804.02	L- 002	89.900.05	L- 005				
89.127.01	K- 005	89.327.00	K- 006	89.805.00	L- 002	89.905.00	L- 005				
89.127.03	K- 005	89.350.00	K- 002	89.805.01	L- 002	89.905.01	L- 005				
89.127.04	K- 006	89.350.03	L- 001	89.805.02	L- 003	89.905.02	L- 005				
89.137.00	K- 005	89.354.00	K- 016	89.807.00	L- 003	89.907.00	L- 006				
89.150.00	K- 015	89.354.01	K- 002	89.807.01	L- 003	89.907.01	L- 006				
89.150.01	K- 015	89.354.01	K- 003	89.810.00	O- 003						
89.155.00	K- 015	89.380.00	L- 007	89.810.01	O- 003						
89.157.00	K- 015	89.385.00	L- 008	89.815.00	O- 003						
89.157.01	K- 016	89.387.00	L- 008	89.817.00	O- 004						
89.160.00	K- 008	89.387.01	L- 008	89.817.01	O- 004						
89.160.01	K- 008	89.500.00	N- 001	89.840.00	O- 001						
89.160.02	K- 009	89.500.01	N- 001	89.840.01	O- 001						
89.160.03	K- 009	89.500.02	N- 001	89.840.02	O- 001						
89.160.04	K- 009	89.505.00	N- 001	89.840.03	O- 001						
89.160.05	K- 009	89.505.01	N- 002	89.845.00	O- 002						
89.160.06	K- 010	89.505.02	N- 002	89.845.01	O- 002						
89.165.00	K- 010	89.507.00	N- 002	89.845.02	O- 002						
89.167.00	K- 010	89.507.01	N- 002	89.847.00	O- 002						
89.167.01	K- 010	89.510.00	Q- 001	89.847.01	O- 003						
89.167.01	K- 011	89.510.01	Q- 001	89.860.00	M- 003						



ZM 89.110.00

KB

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo KB.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.417.042, 9.000.084.013, 9.000.840.012. ZM: 80.101.02, 80.101.05

SUBSTITUI / REPLACE:

BOSCH: 2.005.825.099.



ZM 89.110.01

KB

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo KB.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.001.084.007. ZM: 80.101.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.084.062.



ZM 89.110.03

KB

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo KB.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.084.119. ZM: 80.101.03

SUBSTITUI / REPLACE:

BOSCH: 9.001.084.119.



ZM 89.117.00

KB

APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos do motor de partida tipo KB.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.084.007. ZM: 80.101.01, 80.101.02, 80.101.03, 80.101.04, 80.101.05

SUBSTITUI / REPLACE:

BOSCH: 2.004.115.000, 2.004.115.004, 2.004.115.005, 2.004.115.006, 2.004.115.007, 2.004.115.008, 2.004.115.009, 2.004.115.029, 2.004.115.030, 2.004.115.031, 2.004.115.036, 2.004.115.046, 2.004.115.052, 2.004.115.088.



ZM 89.117.01

24v

KB



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos + bobina 24V do motor de partida tipo KB 5.5kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.410.015, 0.001.410.016, 0.001.410.017, 0.001.410.019, 0.001.410.021, 0.001.410.022, 0.001.410.024, 0.001.410.026, 0.001.410.027, 0.001.410.029, 0.001.410.032, 0.001.410.034, 0.001.410.035, 0.001.410.037, 0.001.410.041, 0.001.410.043, 0.001.410.044, 0.001.410.046, 0.001.410.047, 0.001.410.049, 0.001.410.050, 0.001.410.052, 0.001.410.058, 0.001.410.061, 0.001.410.062, 0.001.410.063, 0.001.410.065, 0.001.410.067, 0.001.410.068, 0.001.410.069, 0.001.410.073, 0.001.410.074, 0.001.410.075, 0.001.410.076, 0.001.410.077, 0.001.410.078, 0.001.410.081, 0.001.410.083, 0.001.410.086, 0.001.410.087, 0.001.410.088, 0.001.410.089, 9.000.084.007, 9.000.084.008, 9.000.084.009, 9.000.084.010, 9.000.084.011, 9.000.084.012, 9.000.084.013, 9.000.084.014, 9.000.084.015, 9.000.084.016, 9.000.084.018, 9.000.084.019, 9.000.084.020, 9.000.084.021, 9.000.084.022, 9.000.084.023, 9.000.084.024, 9.000.084.026. ZM: 80.101.01, 80.101.02, 80.101.03, 80.101.04, 80.101.05

SUBSTITUI / REPLACE:

BOSCH: 2.004.115.036, 2.004.125.000, 2.004.125.004, 2.004.125.005, 2.004.125.006, 2.004.125.007, 2.004.125.008, 2.004.125.009, 2.004.125.029, 2.004.125.030, 2.004.125.031, 2.004.125.036, 2.004.125.046, 2.004.125.052, 2.004.125.088.

ZM 89.115.00

KB



APLICAÇÃO / USED ON:

BOSCH: Tampa traseira do motor de partida tipo KB.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.410.015, 0.001.410.016, 0.001.410.017, 0.001.410.036, 0.001.410.041, 9.000.084.007, 9.000.084.012, 9.000.084.013, 9.000.084.019. ZM: 80.101.01, 80.101.02, 80.101.03, 80.101.04, 80.101.05

SUBSTITUI / REPLACE:

BOSCH: 9.001.084.160.

ZM 89.350.00

JE



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo JE.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.067, 9.000.453.068. ZM: 80.135.02

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.704.

ZM 89.354.01

JE



APLICAÇÃO / USED ON:

BOSCH: Mancal Intermediário do Motor de Partida Tipo JE e IE.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.067, 9.000.453.068. ZM: 80.135.02

SUBSTITUI / REPLACE:

BOSCH: 2.005.834.599.



ZM 89.354.01

JE



APLICAÇÃO / USED ON:

BOSCH: Mancal Intermediário do Motor de Partida Tipo JE e IE.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.067, 9.000.453.068. ZM: 80.135.02

SUBSTITUI / REPLACE:

BOSCH: 2.005.834.599.

Continuação da página anterior. / Continued from last page.

ZM 89.120.00

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.027, 9.000.083.053, 9.000.083.064. ZM: 80.102.01, 80.103.01, 80.103.04

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.374.

ZM 89.120.01

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.028, 9.000.083.054, 9.000.083.065, 9.000.083.071. ZM: 80.102.02, 80.102.05, 80.103.02, 80.103.05

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.381. ISKRA: 16.281.087.

ZM 89.120.02

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.036, 9.000.083.056, 9.000.083.067, 9.000.083.077, 9.000.083.079, 9.000.083.082. ZM: 80.102.04, 80.102.07, 80.103.03, 80.103.06

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.397.



ZM 89.120.05

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo JF para. CHRYSLER: Caminhão Dodge c/ motor Perkins-MWM 4 e 6 cil.. GM: Pick-up D20 com Motor Maxion. MASSEY FERGUSON: MF 1630, MF 3640, MF 5650, MF 5650 Turbo, Trator MF 270, MF 95, MF 95 I. PERKINS: A 4248, AT 6354.4, A 6357, A 6345, A 6358, 4236, Motor Industrial 3152, 4203, 4236, 6354.4, 6358.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.035, 9.000.083.055, 9.000.083.057

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.422.

ZM 89.124.00

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal Intermediário do Motor de Partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.027, 9.000.083.028, 9.000.083.035, 9.000.083.036, 9.000.083.037, 9.000.083.038, 9.000.083.042, 9.000.083.043, 9.000.083.046, 9.000.083.053, 9.000.083.054, 9.000.083.055, 9.000.083.056, 9.000.083.057, 9.000.083.058, 9.000.083.059, 9.000.083.064, 9.000.083.065, 9.000.083.067, 9.000.083.069, 9.000.083.071, 9.000.083.072, 9.000.083.073, 9.000.083.074, 9.000.083.075, 9.000.083.076, 9.000.083.077, 9.000.083.078, 9.000.083.596, 9.000.453.079, 9.000.453.080, 9.000.453.082, 9.000.453.084, 9.000.453.088, 9.000.453.089, 9.000.453.090, 9.000.453.091, 9.007.044.002. ZM: 80.102.01, 80.102.02, 80.102.03, 80.102.04, 80.102.05, 80.102.07, 80.102.17, 80.102.18, 80.103.01, 80.103.02, 80.103.03, 80.103.04, 80.103.05, 80.103.06

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.413. ISKRA: 16.281.334.

ZM 89.124.01

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal Intermediário do Motor de Partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.025, 9.000.083.031, 9.000.083.041, 9.000.083.045, 9.000.083.050, 9.000.083.051, 9.000.083.052, 9.000.083.061, 9.000.083.062, 9.000.083.063, 9.000.083.066, 9.000.083.068, 9.000.083.074, 9.000.083.075, 9.000.083.076, 9.000.083.077, 9.000.083.083, 9.000.083.086. ZM: 80.102.06, 80.103.07

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.395.

ZM 89.125.00

JF



APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.027, 9.000.083.028, 9.000.083.031, 9.000.083.035, 9.000.083.036, 9.000.083.037, 9.000.083.038, 9.000.083.041, 9.000.083.042, 9.000.083.043, 9.000.083.045, 9.000.083.046, 9.000.083.050, 9.000.083.051, 9.000.083.052, 9.000.083.053, 9.000.083.054, 9.000.083.055, 9.000.083.056, 9.000.083.057, 9.000.083.058, 9.000.083.059, 9.000.083.061, 9.000.083.062, 9.000.083.063, 9.000.083.064, 9.000.083.065, 9.000.083.066, 9.000.083.068, 9.000.083.069, 9.000.083.071, 9.000.083.072, 9.000.083.073, 9.000.083.074, 9.000.083.075, 9.000.083.076, 9.000.083.077, 9.000.453.074, 9.000.453.075, 9.000.453.076, 9.000.453.079, 9.000.453.080, 9.000.453.082, 9.000.453.083, 9.000.453.084, 9.000.453.086, 9.000.453.088, 9.000.453.089, 9.000.453.090, 9.000.453.091. ZM: 80.102.01, 80.102.018, 80.102.02, 80.102.03, 80.102.04, 80.102.05, 80.102.06, 80.102.07, 80.102.17, 80.103.01, 80.103.02, 80.103.03, 80.103.04, 80.103.05, 80.103.06, 80.103.07

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.370. ISKRA: 16.905.481.



ZM 89.127.00

JF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos do motor de partida tipo JF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.014, 9.000.083.018, 9.000.083.027, 9.000.083.028, 9.000.083.043, 9.000.083.050, 9.000.083.063, 9.000.083.065, 9.000.083.069, 9.000.083.072, 9.000.453.086, 9.000.453.091, F.000.ALO.700, F.006.ALO.602. ZM: 80.102.01, 80.102.02, 80.102.03, 80.102.04, 80.102.05, 80.102.06, 80.102.07, 80.102.17, 80.102.18, 80.103.01, 80.103.02, 80.103.03, 80.103.04, 80.103.05, 80.103.06, 80.103.07

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.557.

ZM 89.127.01

12v

JF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos + bobina 12V do motor de partida tipo JF 3kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.014, 9.000.083.018, 9.000.083.027, 9.000.083.028, 9.000.083.029, 9.000.083.031, 9.000.083.035, 9.000.083.036, 9.000.083.038, 9.000.083.042, 9.000.083.053, 9.000.083.054, 9.000.083.055, 9.000.083.056, 9.000.083.057, 9.000.083.058, 9.000.083.059, 9.000.083.060, 9.000.083.061, 9.000.083.062, 9.000.083.064, 9.000.083.067, 9.000.083.069, 9.000.083.071, 9.000.083.072, 9.000.083.074, 9.000.083.075, 9.000.083.077, 9.000.083.082, 9.000.083.089, 9.000.083.090, 9.000.083.091, 9.000.453.074, 9.000.453.076, 9.000.453.082, 9.000.453.083, 9.000.453.089, 9.000.453.090, 9.000.453.091, F.006.ALO.602. ZM: 80.102.01, 80.102.02, 80.102.03, 80.102.04, 80.102.05, 80.102.06, 80.102.07, 80.102.17, 80.102.18

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.341, 9.001.083.557, 9.001.083.575, 9.001.083.588.

ZM 89.137.00

24v

JF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos + bobina 24V do motor de partida tipo JF 4,0kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.043, 9.000.083.050, 9.000.083.063, 9.000.083.065, 9.000.083.066, 9.000.083.068, 9.000.083.073, 9.000.083.076, 9.000.453.075, 9.000.453.077, 9.000.453.079, 9.000.453.086, 9.000.453.088, F.000.ALO.700. ZM: 80.103.01, 80.103.02, 80.103.03, 80.103.04, 80.103.05, 80.103.06, 80.103.07

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.574, 9.001.083.593.

ZM 89.127.03

JF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos do motor de partida tipo JF curto 12V 2.0kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.069, 9.000.083.072, 9.000.453.080

SUBSTITUI / REPLACE:



ZM 89.127.04

12v

JF



APLICAÇÃO / USED ON:

ZM: Carça polar + 4 sapatas + 4 parafusos + bobina 12V do motor de partida tipo JF curto 12V 2.0kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.069, 9.000.083.072, 9.000.453.080

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.604.

ZM 89.320.00

PDM



APLICAÇÃO / USED ON:

BOSCH: Manca de Acionamento do Motor de Partida tipo PDM para. FORD-NEW HOLLAND: 8040, 8055. MERCEDES BENZ: L1113. TOYOTA: Bandeirante.

MOTOR DE PARTIDA / STARTER:

BOSCH: F.000.AL0.128, F.000.AL0.139. ZM: 80.132.01

SUBSTITUI / REPLACE:

BOSCH: F.000.AL2.618.

ZM 89.325.00

PDM



APLICAÇÃO / USED ON:

BOSCH: Manca do Coletor do Motor de Partida tipo PDM para. FORD-NEW HOLLAND: 8040, 8055. MERCEDES BENZ: L1113. TOYOTA: Bandeirante.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.109.018, 0.001.110.126, 0.001.124.015, F.000.AL0.105, F.000.AL0.107, F.000.AL0.112, F.000.AL0.117, F.000.AL0.128, F.000.AL0.136, F.000.AL0.138, F.000.AL0.139. ZM: 80.132.01

SUBSTITUI / REPLACE:

BOSCH: 1.005.851.070.

ZM 89.327.00

12v

PDM



APLICAÇÃO / USED ON:

BOSCH: Carça Polar do Motor de Partida tipo PDM 12V 2,2 kW para. FORD-NEW HOLLAND: 8040, 8055. MERCEDES BENZ: L1113. TOYOTA: Bandeirante.

MOTOR DE PARTIDA / STARTER:

BOSCH: F.000.AL0.126, F.000.AL0.128, F.000.AL0.132, F.000.AL0.133, F.000.AL0.135, F.000.AL0.137, F.000.AL0.139. ZM: 80.132.01

SUBSTITUI / REPLACE:

BOSCH: 1.005.001.326.



ZM 89.300.00

EV

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo EV para. FORD: F 250, F-350 e F-4000 Cummins 4BTAA.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.223.505. ZM: 80.130.06

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.138.



ZM 89.300.01

EV

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo EV para. FORD: F 250 6.07 TCA.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.223.010. ZM: 80.130.05

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.137.



ZM 89.305.00

EV

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo EV para. FORD: F 250, F-350 e F-4000 Cummins 4BTAA.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.223.505. ZM: 80.130.06, 80.130.07

SUBSTITUI / REPLACE:

BOSCH: 6.033.AD0.095. ZM: 81.130.02.



ZM 89.305.01

EV

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo EV para. FORD: F 250 6.07 TCA.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.223.010. ZM: 80.130.05

SUBSTITUI / REPLACE:

BOSCH: 6.033.AD0.016.



ZM 89.307.00

12v

EV



APLICAÇÃO / USED ON:

BOSCH: Carça Polar + Bobina de Campo do Motor de Partida tipo EV 12V 2,6 kW para. FORD: F 250, F-350 e P-4000 Cummins 4BTAA.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.223.505. ZM: 80.130.06, 80.130.07

SUBSTITUI / REPLACE:

BOSCH: 6.033.AD1.258. ZM: 81.130.02.

ZM 89.307.01

12v

EV



APLICAÇÃO / USED ON:

BOSCH: Carça Polar + Bobina de Campo do Motor de Partida tipo EV 12V 2,3 kW para. FORD: F 250 6.07 TCA.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.223.010. ZM: 80.130.05

SUBSTITUI / REPLACE:

BOSCH: 6.033.AD1.249, 6.033.AD2.002.

ZM 89.160.00

EF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de partida tipo EF para. VOLKSWAGEN: Fusca 1.3, 1.5, 1.6, Kombi 1.6, Karman Ghia 1.6
Brasília 1.3, 1.6, SP 1.6, 1.7, Variant II 1.6. VOLKSWAGEN: Fusca 1.3, 1.5, 1.6, Kombi 1.6, Karman Ghia 1.6, Brasília 1.3, 1.6, SP 1.6, 1.7, Variant II 1.6.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.046, 9.000.082.077. ZM: 80.106.01, 80.106.07

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.480.

ZM 89.160.01

EF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo EF para. GM-CHEVROLET: Chevette 1.0, 1.4, 1.6, 1.6 S, Chevette Hatch 1.4, 1.6, Chevy 500 1.6, 1.6 S, Marajo 1.4, 1.6, 1.6 S.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.033. ZM: 80.106.05

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.526.



ZM 89.160.02

EF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo EF para. FIAT: 147, 147 C, 147 City, 147 Europa, 147 Fiorino, 147 GLS, 147 Oggi, 147 Panorama, 147 Pick-Up, 147 Premio, 147 Rally, 147 Spazio, 147 Spazio Racing, 147 Spazio TR, Duna 60 / 70, Duna 60 / 70 Weekend, Uno 1.1, Uno Mille, Uno Mille Elettronico, Uno Mille ELX, Uno Mille EP.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.021, 9.000.082.039, 9.000.082.040, 9.000.082.081, 9.000.082.082. ZM: 80.106.06

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.326.

ZM 89.160.03

EF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo EF para. FORD: Pampa 1.6. VW: Passat 1.5, 1.6, Voyage 1.5.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.045. ZM: 80.106.08

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.454.

ZM 89.160.04

EF



APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo EF para. GM-CHEVROLET: Ipanema, Kadett 1.8, 1.8i, 2.0, 2.0i, Monza 1.8, 1.8i, 2.0, 2.0i, Blazer, S10 2.2 EFI.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.036, 9.000.082.058. ZM: 80.106.02, 80.106.03

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.537.

ZM 89.160.05

EF



APLICAÇÃO / USED ON:

-BOSCH: Mancal de Acionamento do Motor de Partida tipo EF para. AUDI: 80 1.3, 1.5, 1.6; 100 1.6; 4000 1.6..
BOSCH: Mancal de Acionamento do Motor de Partida tipo EF para. FORD: Pampa 1.6.. VOLKSWAGEN: Passat (nacional) 1.3, 1.5, 1.6, Saveiro 1.6, Voyage 1.6, Dasher 1.5, 1.6, Itis 1.7.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.211.218, 0.001.211.219

SUBSTITUI / REPLACE:

BOSCH: 1.005.822.169.



ZM 89.160.06

EF



APLICAÇÃO / USED ON:

ZM: Mancal de Acionamento do Motor de Partida tipo EF para Empilhadeira Hyster e Yale com motor Mazda 2.0.

MOTOR DE PARTIDA / STARTER:

ZM: 80.106.21

SUBSTITUI / REPLACE:

ZM 89.165.00

EF



APLICAÇÃO / USED ON:

-BOSCH: Mancal do Coletor do Motor de Partida tipo EF para. AUDI: 80 1.3/ 1.5/ 1.6, 100 1.6, 4000 1.6. FIAT: Duna 1.4/ 1.6, Duna 60, Elba 1.5/1.6, Fiorino 1.3/ 1.5/ 1.6, Prêmio 1.5/ 1.6, Tempra 2.0, Tipo 1.6, Uno 1.0, 147/ City/ Europa/ Fiorino/ GLS/ Oggi/ Panorama/ Pickup/ Rally/ Spazio 127 A, Caminhões Fiat 80 / 120 / 140. FORD: Belina II 1.8, Corcel II 1.6, Del Rey 1.6/ 1.8, Escort 1.6, Escort Ghia / XR3 / Guarujá 1.8, Pampa 1.6/ 1.8, Royale 1.8i, Verona 1.8, Versailles 1.8i/ 2.0i. GM-CHEVROLET: Chevette 1.4 / 1.6 / 1.6S / Hatch 1.4 / 1.6. GURGEL: Sedan, Supermini. RENAULT: R 18, Trafic 2.2. VOLKSWAGEN: Apollo 1.8, Brasília 1.3, Dasher 1.5/ 1.6, Fox 302 / 307 / 309, Fusca 1.3 / 1.6, Gol 1.0/ 1.6/ 1.8, Itlis 1.7, Kombi 1.6, Parati 1.6, Passat 1.5 / 1.6, Quantum 2.0i, Santana 1.6 / 2.0, Saveiro 1.6, Voyage 1.6.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.033, 9.000.082.036, 9.000.082.040, 9.000.082.046, 9.000.082.050, 9.000.082.058, 9.000.082.077. ZM: 80.106.01, 80.106.02, 80.106.03, 80.106.04, 80.106.05, 80.106.06, 80.106.07, 80.106.08, 80.106.21

SUBSTITUI / REPLACE:

BOSCH: 2.005.852.008.

ZM 89.167.00

EF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos do motor de partida tipo EF.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.032, 9.000.082.033, 9.000.082.034, 9.000.082.039, 9.000.082.040, 9.000.082.041, 9.000.082.045, 9.000.082.046, 9.000.082.047, 9.000.082.048, 9.000.082.049, 9.000.082.051, 9.000.082.053, 9.000.082.065, 9.000.082.069, 9.000.082.073, 9.000.082.076, 9.000.082.077, 9.000.082.081, 9.000.082.082. ZM: 80.106.01, 80.106.02, 80.106.05, 80.106.06, 80.106.07, 80.106.08

SUBSTITUI / REPLACE:

ZM 89.167.01

12v

EF



APLICAÇÃO / USED ON:

ZM: Carcaça polar EF + 4 sapatas + 4 parafusos + bobina 12V do motor de partida tipo EF 0,8 kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.033, 9.000.082.039, 9.000.082.040, 9.000.082.041, 9.000.082.045, 9.000.082.048, 9.000.082.051, 9.000.082.053, 9.000.082.065, 9.000.082.069, 9.000.082.076, 9.000.082.077, 9.000.082.081, 9.000.082.082. ZM: 80.106.05, 80.106.06, 80.106.08

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.395, 9.001.082.515, 9.001.083.346.



ZM 89.167.01

12v

EF



APLICAÇÃO / USED ON:

ZM: Carcaça polar EF + 4 sapatas + 4 parafusos + bobina 12V do motor de partida tipo EF 0,8 kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.033, 9.000.082.039, 9.000.082.040, 9.000.082.041, 9.000.082.045, 9.000.082.048, 9.000.082.051, 9.000.082.053, 9.000.082.065, 9.000.082.069, 9.000.082.076, 9.000.082.077, 9.000.082.081, 9.000.082.082. ZM: 80.106.05, 80.106.06, 80.106.08

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.395, 9.001.082.515, 9.001.083.346.

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ZM 89.167.02

12v

EF



APLICAÇÃO / USED ON:

-ZM: Carcaça polar + 4 sapatas + 4 parafusos + bobina 12V do motor de partida tipo EF 0,8 kW para. VOLKSWAGEN: Fusca e Brasília.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.032, 9.000.082.034, 9.000.082.046, 9.000.082.047, 9.000.082.049, 9.000.082.073. ZM: 80.106.01, 80.106.07

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.465, 9.001.082.584.

ZM 89.167.03

EF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos do motor de partida tipo EF para Passat e Monza 1.8 e 2.0

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.043, 9.000.082.050, 9.000.082.054, 9.000.082.055, 9.000.082.058, 9.000.082.059, 9.000.082.063, 9.000.082.064, 9.000.082.070, 9.000.082.074, 9.000.082.078. ZM: 80.106.03, 80.106.04, 80.106.21

SUBSTITUI / REPLACE:

ZM 89.167.04

12v

EF



APLICAÇÃO / USED ON:

ZM: Carcaça polar + 4 sapatas + 4 parafusos + bobina 12V do motor de partida tipo EF 0.95kW para Passat e Monza 1.8 e 2.0.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.082.043, 9.000.082.050, 9.000.082.054, 9.000.082.055, 9.000.082.058, 9.000.082.059, 9.000.082.063, 9.000.082.064, 9.000.082.070, 9.000.082.074, 9.000.082.078. ZM: 80.106.03, 80.106.04, 80.106.21

SUBSTITUI / REPLACE:

BOSCH: 9.001.082.568.



ZM 89.200.00

DB

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo DB para. VOLKSWAGEN: Parati II 1.8Mi / 2.0Mi, Parati III 1.8Mi / 2.0Mi, Quantum 1.8Mi / 2.0Mi, Santana 1.8Mi / 2.0Mi, Saveiro III 1.6Mi / 1.8Mi / 2.0Mi.

MOTOR DE PARTIDA / STARTER:

BOSCH: F.000.AL0.502, F.000.AL0.507. ZM: 80.120.01

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.193.



ZM 89.205.00

DB

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo DB para. CITRÖEN: Xsara Picasso. FIAT: Marea, Palio, Tempra. GM-CHEVROLET: Astra, Vectra, Zafira, Ipanema, Kadett, Omega. MERCEDES BENZ: Classe A. TOYOTA: Corolla. VOLKSWAGEN: Gol, Parati, Kombi, Quantum, Santana, Saveiro, Voyage.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.107.075, 9.000.081.004, 9.000.081.005, 9.000.081.006, 9.000.081.007, 9.000.081.008, F.000.AL0.100, F.000.AL0.101, F.000.AL0.102, F.000.AL0.104, F.000.AL0.121, F.000.AL0.126, F.000.AL0.502, F.000.AL0.507, F.010.AL0.103. ZM: 80.120.01

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.421.



ZM 89.207.00

12v

DB

APLICAÇÃO / USED ON:

BOSCH: Carça Polar com ímã do Motor de Partida tipo DB 12V 1.1kW para. FIAT: Marea, Palio, Tempra. GM-CHEVROLET: Astra, Vectra, Zafira, Ipanema, Kadett, Omega. PEUGEOT: 306, 405. TOYOTA: Corolla. VOLKSWAGEN: Gol, Parati, Quantum, Santana, Saveiro, Voyage.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.107.075, 9.000.081.004, 9.000.081.005, 9.000.081.006, 9.000.081.007, 9.000.081.008, F.000.AL0.100, F.000.AL0.102, F.000.AL0.103, F.000.AL0.106, F.000.AL0.120, F.000.AL0.502, F.000.AL0.507. ZM: 80.120.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.032.



ZM 89.250.00

DA

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo DA para. VOLKSWAGEN: Gol e Parati.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.081.010, F.000.AL0.401, F.000.AL0.414. ZM: 80.125.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.086.



ZM 89.255.00

DA

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo DA para. SEAT: Cordoba 1.6 e 1.8. VOLKSWAGEN: Gol, Parati, Kombi.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.112.038, 9.000.081.010, F.000.ALO.306, F.000.ALO.313, F.000.ALO.329, F.000.ALO.401, F.000.ALO.402, F.000.ALO.414, F.000.ALO.415. ZM: 80.125.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.090.



ZM 89.257.00

12v

DA

APLICAÇÃO / USED ON:

BOSCH: Carcaça Polar com ímã do Motor de Partida tipo DA 12V 0,9kW para. VOLKSWAGEN: Gol e Parati.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.081.010, F.000.ALO.401, F.000.ALO.414. ZM: 80.125.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.095.



ZM 89.100.00

DW

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo DW para. FORD: Escort 1.6i, 1.8i, 2.0i, Verona 1.8i, 2.0i. SEAT: Inca 1.6. VOLKSWAGEN: Logus e Pointer 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.081.001. ZM: 80.110.01

SUBSTITUI / REPLACE:

BOSCH: 1.005.821.468.



ZM 89.100.01

DW

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo DW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.109.250. ZM: 80.110.02

SUBSTITUI / REPLACE:

BOSCH: 1.005.831.432.



ZM 89.105.00

DW



APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo DW para. FORD: Escort 1.6i, 1.8i, 2.0i, Verona 1.8i, 2.0i. SEAT: Inca 1.6. VOLKSWAGEN: Logus e Pointer 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi, Passat.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.107.007, 9.000.081.001. ZM: 80.110.01

SUBSTITUI / REPLACE:

BOSCH: 1.005.851.014, F.000.AL1.009.

ZM 89.105.01

DW



APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo DW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.109.250. ZM: 80.110.02

SUBSTITUI / REPLACE:

BOSCH: 1.005.851.095.

ZM 89.107.00

12v

DW



APLICAÇÃO / USED ON:

BOSCH: Carça Polar com ímã do Motor de Partida tipo DW 12V 1.1kW para. FORD: Escort 1.6i, 1.8i, 2.0i, Verona 1.8i, 2.0i. SEAT: Inca 1.6. VOLKSWAGEN: Logus e Pointer 1.6, 1.6i, 1.8, 1.8i, 2.0, 2.0i, 2.0Mi.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.081.001. ZM: 80.110.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.000.

ZM 89.107.01

12v

DW



APLICAÇÃO / USED ON:

BOSCH: Carça Polar com ímã do Motor de Partida tipo DW 12V 2.2kW.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.109.250. ZM: 80.110.02

SUBSTITUI / REPLACE:

BOSCH: 1.005.001.808.



ZM 89.150.00

DM

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo DM para. GM-CHEVROLET: Corsa 1.6 EFI, Celta 1.0i.

MOTOR DE PARTIDA / STARTER:

BOSCH: F.000.AL0.304, F.000.AL0.314, F.000.AL0.330. ZM: 80.115.01

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.114.



ZM 89.150.01

DM

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do Motor de Partida tipo DM para. FIAT: Palio, Uno Mille 1.0 SPI, Strada 1.5, Palio Weekend 1.5 8V.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.081.009, F.000.AL0.300. FIAT: 46521786. LANCIA: 46521786. ZM: 80.115.02

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.061.



ZM 89.155.00

DM

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do Motor de Partida tipo DM para. FIAT: Palio e Palio Weekend 1.0/1.3/ 1.5 MPI 8V e 16V, Uno Mille 1.0 SPI, Doblo EX Fire 1.3i 16V Fire, Siena 1.0, 1.3 e 1.5, Strada 1.5. FORD: Escort 1.1, Fiesta 1.0, 1.3, 1.4. GM-CHEVROLET: Corsa 1.6 EFI, Celta 1.0i. MERCEDES BENZ: Classe-A 160. OPEL: Astra 1.4, Vectra 1.6. RENAULT: Clio 1.6i, R 19. VAUXHALL: Astra 1.4, Cavalier 1.6. VOLKSWAGEN: Gol II 1.6i, Parati II 1.6i, Parati III 1.6 Mi, Saveiro 1.6, Voyage 1.6.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.112.015, 0.001.112.033, 9.000.081.009, 9.000.082.040, 9.000.082.061, 9.000.082.082, 9.000.082.083, 9.000.082.085, F.000.AL0.300, F.000.AL0.301, F.000.AL0.302, F.000.AL0.304, F.000.AL0.305, F.000.AL0.307, F.000.AL0.309, F.000.AL0.310, F.000.AL0.314, F.000.AL0.326, F.000.AL0.328, F.000.AL0.330, F.000.AL0.334, F.000.AL0.400, F.000.AL0.413. ZM: 80.115.01

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.528.



ZM 89.157.00

12v

DM

APLICAÇÃO / USED ON:

BOSCH: Carcaça Polar com ímã do Motor de Partida tipo DM 12V 0.9kW para. FIAT: Palio e Palio Weekend 1.0/1.3/ 1.5 MPI 8V e 16V, Uno Mille 1.0 SPI, Doblo EX Fire 1.3i 16V Fire, Siena 1.0, 1.3 e 1.5, Strada 1.5. FORD: Escort 1.1, Fiesta 1.0, 1.3, 1.4. GM-CHEVROLET: Corsa 1.6 EFI, Celta 1.0i. MERCEDES BENZ: Classe A 160. OPEL: Astra 1.4, Vectra 1.6. RENAULT: Clio 1.6i, R 19, Twingo 1.2i. VAUXHALL: Astra 1.4, Cavalier 1.6.

MOTOR DE PARTIDA / STARTER:

BOSCH: 0.001.112.015, 0.001.112.025, 0.001.112.033, 9.000.081.003, F.000.AL0.304, F.000.AL0.307, F.000.AL0.310, F.000.AL0.326, F.000.AL0.400, F.000.AL0.413. ZM: 80.115.01

SUBSTITUI / REPLACE:

BOSCH: 9.001.081.020.



ZM 89.157.01

12v

DM



APLICAÇÃO / USED ON:

BOSCH: Carcaça Polar com ímã do Motor de Partida tipo DM 12V 0.8kW para. FIAT: Palio, Uno Mille 1.0 SPI, Strada 1.5, Palio Weekend 1.5 8V, Siena 1.0.

MOTOR DE PARTIDA / STARTER:

BOSCH: F.000.AL0.300, F.000.AL0.305. ZM: 80.115.02

SUBSTITUI / REPLACE:

BOSCH: F.000.AL1.021.

ZM 89.354.00

JD



APLICAÇÃO / USED ON:

BOSCH: Mancal Intermediário do Motor de Partida tipo JD.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.083.001, 9.000.083.002, 9.000.083.004, 9.000.083.011, 9.000.083.012, 9.000.083.013

SUBSTITUI / REPLACE:

BOSCH: 9.001.083.024.



ZM 89.350.03

10MT



APLICAÇÃO / USED ON:

-DELCO REMY: Mancel de Acionamento do motor de partida tipo 10MT e SD300 DD para. ALLIS CHALMERS: Combines F 292.. GM-CHEVROLET: Pick-up A10 e C10, BEL AIR 4.3L, 4.6L, 5.7L, 6.7L, BISCAYNE 4.6L V8, 5.7L, 6.7L, C / K / R / V SERIES PICKUPS 2.5L,3.8L,4.1L,4.6L,4.8L, 5.0L,5.4L.. HYSTER: Compactors C-450, C-500, C-550. JOHN DEERE: Combines 4400 292.. MASSEY FERGUSON: Power Units GM-292 6cyl, Combines MF-410, MF-510, , MF-510.. PONTIAC: BONNEVILLE 5.7L, 6.1L, 6.4L, CATALINA 5.7L, 6.1L, 6.4L, 5.7L.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10455307, 10465025, 10496876, 10496877, 1107233, 1107273, 1107274, 1107286, 1107312, 1107315, 1107369, 1107497, 1107664, 1107688, 1107696, 1107712, 1107754, 1107889, 1107891, 1108332, 1108355, 1108360, 1108368, 1108372, 1108385, 1108481, 1108486, 1108489, 1108784, 1108787, 1108793, 1109078, 1109099, 1109447, 1109582, 12303394, 12304738, 1876553, 19136158, 1938508, 1939508, 1977091, 1998224, 1998245, 1998256, 1998275, 1998444, 1998473, 1998563, 1998592, 1998598

SUBSTITUI / REPLACE:

DELCO REMY: 1935864, 1958544, 1961276, 1968654, 1969529, 1970259, 1970297.

ZM 89.800.00

28MT



APLICAÇÃO / USED ON:

DELCO REMY: Mancel de Acionamento do Motor de Partida tipo 28 MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479605, 10479623, 10479634, 10479643, 10479651, 10479652, 10479654, 10479655, 1113276, 1113277, 1113291. ZM: 80.280.01, 80.280.02, 80.280.03, 80.280.05, 80.280.06, 80.280.07, 80.280.08, 80.280.10, 80.280.13

SUBSTITUI / REPLACE:

DELCO REMY: 10457026.

ZM 89.800.01

28MT



APLICAÇÃO / USED ON:

DELCO REMY: Mancel de Acionamento do Motor de Partida tipo 28 MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479626, 10479650. ZM: 80.280.04

SUBSTITUI / REPLACE:

DELCO REMY: 10457359.

ZM 89.804.00

28MT



APLICAÇÃO / USED ON:

DELCO REMY: Flange do Motor de Partida tipo 28MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479605, 10479629, 10479634, 10479643, 10479644, 10479650, 10479651, 10479652, 10479654, 10479655, 1113276, 1113277. ZM: 80.280.01, 80.280.02, 80.280.03, 80.280.04, 80.280.05, 80.280.06, 80.280.07, 80.280.08, 80.280.11, 80.280.12, 80.280.13

SUBSTITUI / REPLACE:

DELCO REMY: 10456470.



ZM 89.804.01

28MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal Intermediário do Motor de Partida tipo 28 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479605, 10479623, 10479629, 10479634, 10479643, 10479644, 10479651, 10479652, 10479654, 10479655, 1113276, 1113277, 1113291. ZM: 80.280.01, 80.280.02, 80.280.03, 80.280.05, 80.280.06, 80.280.07, 80.280.08, 80.280.11, 80.280.12, 80.280.13

SUBSTITUI / REPLACE:

DELCO Remy: 10457037.

ZM 89.804.02

28MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal Intermediário do Motor de Partida tipo 28 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479650. ZM: 80.280.04

SUBSTITUI / REPLACE:

DELCO Remy: 10457363.

ZM 89.805.00

28MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal do Coletor do Motor de Partida tipo 28MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479623, 10479651, 10479652. ZM: 80.280.05, 80.280.06

SUBSTITUI / REPLACE:

DELCO Remy: 10500121.

ZM 89.805.01

28MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal do Coletor do Motor de Partida tipo 28MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479650. ZM: 80.280.04

SUBSTITUI / REPLACE:

DELCO Remy: 10500290.



ZM 89.805.02

28MT



APLICAÇÃO / USED ON:

DELCO REMY: Mancal do Coletor do Motor de Partida tipo 28MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479605, 10479629, 10479643, 10479644, 10479654, 10479655, 1113276, 1113277, 1113291. ZM: 80.280.01, 80.280.02, 80.280.03, 80.280.07, 80.280.08, 80.280.11, 80.280.12

SUBSTITUI / REPLACE:

DELCO REMY: 10457036.

ZM 89.807.00

12v

28MT



APLICAÇÃO / USED ON:

DELCO REMY: Carça Polar + Bobina de Campo do Motor de Partida tipo 28MT 12V 2,9 kW.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479632, 10479643, 10479644, 10479651, 1113276. ZM: 80.280.01, 80.280.05, 80.280.07, 80.280.09, 80.280.11, 80.280.12, 80.280.13

SUBSTITUI / REPLACE:

DELCO REMY: 10483822.

ZM 89.807.01

24v

28MT



APLICAÇÃO / USED ON:

DELCO REMY: Carça Polar + Bobina de Campo do Motor de Partida tipo 28MT 24V 3,9 kW.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479605, 10479623, 10479629, 10479652, 10479654, 10479655, 1113277, 1113291. ZM: 80.280.02, 80.280.03, 80.280.04, 80.280.06, 80.280.08, 80.280.10

SUBSTITUI / REPLACE:

DELCO REMY: 10457118.

ZM 89.900.00

29MT



APLICAÇÃO / USED ON:

DELCO REMY: Mancal de Acionamento do Motor de Partida tipo 29 MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 8200295, 8200511. ZM: 80.290.01

SUBSTITUI / REPLACE:

DELCO REMY: 10515826.



ZM 89.900.01

29MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal de Acionamento do Motor de Partida tipo 29 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200326, 8200357. ZM: 80.290.02, 80.291.03

SUBSTITUI / REPLACE:

DELCO Remy: 10524151.

ZM 89.900.02

29MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal de Acionamento do Motor de Partida tipo 29 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200331, 8200478. ZM: 80.290.03

SUBSTITUI / REPLACE:

DELCO Remy: 10524150.

ZM 89.900.03

29MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal de Acionamento do Motor de Partida tipo 29 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200296, 8200512. ZM: 80.291.01

SUBSTITUI / REPLACE:

DELCO Remy: 10515827.

ZM 89.900.04

29MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal de Acionamento do Motor de Partida tipo 29 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200138, 8200297. ZM: 80.291.02

SUBSTITUI / REPLACE:

DELCO Remy: 10515825.



ZM 89.900.05

29MT

APLICAÇÃO / USED ON:

DELCO REMY: Mancal de Acionamento do Motor de Partida tipo 29 MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 8200474. ZM: 80.291.04

SUBSTITUI / REPLACE:

DELCO REMY: 10526502.



ZM 89.905.00

29MT

APLICAÇÃO / USED ON:

DELCO REMY: Mancal do Coletor do Motor de Partida tipo 29MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 8200295, 8200296, 8200511, 8200512. ZM: 80.290.01, 80.291.01

SUBSTITUI / REPLACE:

DELCO REMY: 10515818.



ZM 89.905.01

29MT

APLICAÇÃO / USED ON:

DELCO REMY: Mancal do Coletor do Motor de Partida tipo 29MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 8200326, 8200331, 8200357, 8200474, 8200478. ZM: 80.290.02, 80.290.03, 80.291.03, 80.291.04

SUBSTITUI / REPLACE:

DELCO REMY: 10515820.



ZM 89.905.02

29MT

APLICAÇÃO / USED ON:

DELCO REMY: Mancal do Coletor do Motor de Partida tipo 29MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 8200138, 8200297. ZM: 80.291.02

SUBSTITUI / REPLACE:

DELCO REMY: 10518785.



ZM 89.907.00

12v

29MT



APLICAÇÃO / USED ON:

DELCO Remy: Carcaça Polar + Bobina de Campo do Motor de Partida tipo 29MT 12V 3,3 kW.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200003, 8200196, 8200295, 8200326, 8200331, 8200400, 8200478, 8200495, 8200511. ZM: 80.290.01, 80.290.02, 80.290.03

SUBSTITUI / REPLACE:

DELCO Remy: 10515830.

ZM 89.907.01

24v

29MT



APLICAÇÃO / USED ON:

DELCO Remy: Carcaça Polar + Bobina de Campo do Motor de Partida tipo 29MT 24V 4,0 kW.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200004, 8200054, 8200064, 8200138, 8200231, 8200292, 8200296, 8200297, 8200357, 8200386, 8200474, 8200512. ZM: 80.291.01, 80.291.02, 80.291.03, 80.291.04

SUBSTITUI / REPLACE:

DELCO Remy: 10515832.

ZM 89.700.01

37MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal de Acionamento do Motor de Partida tipo 37 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10478890, 10479196, 10479302, 1993874, 1993910, 1993969. ZM: 80.450.01, 80.450.02

SUBSTITUI / REPLACE:

DELCO Remy: 1986333.

ZM 89.704.01

37MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal Intermediário do Motor de Partida tipo 37 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479196, 10479302, 1993874, 1993910, 1993969. ZM: 80.450.01, 80.450.02

SUBSTITUI / REPLACE:

DELCO Remy: 10498654.



ZM 89.705.01

37MT



APLICAÇÃO / USED ON:

DELCO REMY: Mancal do Coletor do Motor de Partida tipo 37 MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479196, 10479302, 1993874, 1993910, 1993914. ZM: 80.450.01, 80.450.02

SUBSTITUI / REPLACE:

DELCO REMY: 10468709.

ZM 89.707.01

12v

37MT



APLICAÇÃO / USED ON:

DELCO REMY: Carcaça Polar + Bobina de Campo do Motor de Partida tipo 37MT 12V 4,48KW.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10478890, 10479187, 1993874, 1993963, 1993964, 1993969. ZM: 80.450.01

SUBSTITUI / REPLACE:

DELCO REMY: 10468110.

ZM 89.707.02

24v

37MT



APLICAÇÃO / USED ON:

DELCO REMY: Carcaça Polar + Bobina de Campo do Motor de Partida tipo 37 MT 24V 7,46KW.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 10479196, 10479302, 1993910, 1993914. ZM: 80.450.02

SUBSTITUI / REPLACE:

DELCO REMY: 10469230.

ZM 89.380.00

38MT



APLICAÇÃO / USED ON:

DELCO REMY: Mancal de Acionamento do motor de partida tipo 38MT.

MOTOR DE PARTIDA / STARTER:

DELCO REMY: 8200005, 8200025, 8200053, 8200072, 8200356, 8200486. ZM: 80.380.01, 80.380.02, 80.380.03

SUBSTITUI / REPLACE:

DELCO REMY: 10512103.



ZM 89.385.00

38MT

APLICAÇÃO / USED ON:

DELCO Remy: Mancal do Coletor do Motor de Partida tipo 38MT para.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200005, 8200025, 8200053, 8200072, 8200077, 8200078, 8200242, 8200356, 8200486. ZM: 80.380.01, 80.380.02, 80.380.03

SUBSTITUI / REPLACE:

DELCO Remy: 10512098.



ZM 89.387.00

12v

38MT

APLICAÇÃO / USED ON:

DELCO Remy: Carça Polar + Bobina de Campo do Motor de Partida tipo 38MT 12V 4,6 kW.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200005, 8200025, 8200077, 8200356. ZM: 80.380.03

SUBSTITUI / REPLACE:

DELCO Remy: 10511940.



ZM 89.387.01

24v

38MT

APLICAÇÃO / USED ON:

DELCO Remy: Carça Polar + Bobina de Campo do Motor de Partida tipo 38MT 24V 6,0 kW.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 8200042, 8200053, 8200072, 8200078, 8200486. ZM: 80.380.01, 80.380.02

SUBSTITUI / REPLACE:

DELCO Remy: 10511941.



ZM 89.700.02

42MT

APLICAÇÃO / USED ON:

DELCO Remy: Mancal de Acionamento do Motor de Partida tipo 42 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10478998, 10479009, 10479010, 1990379, 1990483. ZM: 80.456.01

SUBSTITUI / REPLACE:

DELCO Remy: 1988137.



ZM 89.704.02

42MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal Intermediario do Motor de Partida tipo 42 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479178, 10479260, 1990379, 1990413, 1990420, 1990483, 1993795, 1993796. ZM: 80.456.01

SUBSTITUI / REPLACE:

DELCO Remy: 1988436.

ZM 89.705.02

42MT



APLICAÇÃO / USED ON:

DELCO Remy: Mancal Coletor do Motor de Partida tipo 42 MT.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10478998, 10479009, 10479010, 10479178, 10479260, 1990379, 1990413, 1990420, 1990483, 1993795, 1993796, 8200015. ZM: 80.456.01

SUBSTITUI / REPLACE:

DELCO Remy: 1988126.

ZM 89.707.03

12v

42MT



APLICAÇÃO / USED ON:

DELCO Remy: Carcaça Polar + Bobina de Campo do Motor de Partida tipo 42 MT 12V 7,76 KW.

MOTOR DE PARTIDA / STARTER:

DELCO Remy: 10479260, 1990379, 1990420, 1990483, 1993795, 8200015. ZM: 80.456.01

SUBSTITUI / REPLACE:

DELCO Remy: 1988111.



ZM 89.890.00

M9T6

APLICAÇÃO / USED ON:

MITSUBISHI: Mancal de Acionamento do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T61171. ZM: 80.890.01

SUBSTITUI / REPLACE:



ZM 89.890.01

M9T6

APLICAÇÃO / USED ON:

MITSUBISHI: Mancal de Acionamento do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T61671. ZM: 80.890.02

SUBSTITUI / REPLACE:



ZM 89.890.02

M9T6

APLICAÇÃO / USED ON:

MITSUBISHI: Mancal de Acionamento do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T62572ZA. ZM: 80.890.03

SUBSTITUI / REPLACE:



ZM 89.890.03

M9T6

APLICAÇÃO / USED ON:

MITSUBISHI: Mancal de Acionamento do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T62671. ZM: 80.890.04

SUBSTITUI / REPLACE:



ZM 89.895.00

M9T6



APLICAÇÃO / USED ON:

MITSUBISHI: Mancal do Coletor do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T61171. ZM: 80.890.01

SUBSTITUI / REPLACE:

ZM 89.895.01

M9T6



APLICAÇÃO / USED ON:

MITSUBISHI: Mancal do Coletor do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T61671. ZM: 80.890.02

SUBSTITUI / REPLACE:

ZM 89.895.02

M9T6



APLICAÇÃO / USED ON:

MITSUBISHI: Mancal do Coletor do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T62572ZA. ZM: 80.890.03

SUBSTITUI / REPLACE:

ZM 89.895.03

M9T6



APLICAÇÃO / USED ON:

MITSUBISHI: Mancal do Coletor do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T62671. ZM: 80.890.04

SUBSTITUI / REPLACE:



ZM 89.897.00

24v

M9T6

APLICAÇÃO / USED ON:

MITSUBISHI: Carça Polar + Bobina de Campo do Motor de Partida tipo Mitsubishi 24V 5,5kW.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T61171. ZM: 80.890.01

SUBSTITUI / REPLACE:



ZM 89.897.01

24v

M9T6

APLICAÇÃO / USED ON:

MITSUBISHI: Carça Polar + Bobina de Campo do Motor de Partida tipo Mitsubishi 24V 5,5kW.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T61671, M9T62572ZA, M9T62671. ZM: 80.890.02, 80.890.03, 80.890.04

SUBSTITUI / REPLACE:



ZM 89.860.00

M9T8

APLICAÇÃO / USED ON:

MITSUBISHI: Mancal de Acionamento do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T80472. ZM: 80.840.01

SUBSTITUI / REPLACE:



ZM 89.860.01

M9T8

APLICAÇÃO / USED ON:

MITSUBISHI: Mancal de Acionamento do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T82171. ZM: 80.840.02

SUBSTITUI / REPLACE:



ZM 89.865.00

M9T8



APLICAÇÃO / USED ON:

MITSUBISHI: Mancal do Coletor do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T80472. ZM: 80.840.01

SUBSTITUI / REPLACE:

ZM 89.865.01

M9T8



APLICAÇÃO / USED ON:

MITSUBISHI: Mancal do Coletor do Motor de Partida tipo Mitsubishi.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T82171. ZM: 80.840.02

SUBSTITUI / REPLACE:

ZM 89.867.00

24v

M9T8



APLICAÇÃO / USED ON:

MITSUBISHI: Carcaça Polar + Bobina de Campo do Motor de Partida Mitsubishi 24V 7,0kW.

MOTOR DE PARTIDA / STARTER:

MITSUBISHI: M9T80472, M9T82171. ZM: 80.840.01, 80.840.02

SUBSTITUI / REPLACE:



ZM 89.500.00

PMGR

APLICAÇÃO / USED ON:

-NIPPONDENSO: Mancal de Acionamento do Motor de Partida PMGR para. HONDA: Civic 1.7L 2001-2004.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.01

SUBSTITUI / REPLACE:



ZM 89.500.01

PMGR

APLICAÇÃO / USED ON:

-NIPPONDENSO: Mancal de Acionamento do Motor de Partida PMGR para. HONDA: Fit 1.5L 2007-2008.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.02

SUBSTITUI / REPLACE:



ZM 89.500.02

PMGR

APLICAÇÃO / USED ON:

-NIPPONDENSO: Mancal de Acionamento do Motor de Partida PMGR para. HONDA: Civic 1.8L 2008-2008.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.03

SUBSTITUI / REPLACE:



ZM 89.505.00

PMGR

APLICAÇÃO / USED ON:

-NIPPONDENSO: Mancal do Coletor do Motor de Partida PMGR para. HONDA: Civic 1.7L 2001-2004.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.01

SUBSTITUI / REPLACE:



ZM 89.505.01

PMGR



APLICAÇÃO / USED ON:

-NIPPONDENSO: Mancal do Coletor do Motor de Partida PMGR para. HONDA: Fit 1.5L 2007-2008.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.02

SUBSTITUI / REPLACE:

ZM 89.505.02

PMGR



APLICAÇÃO / USED ON:

-NIPPONDENSO: Mancal do Coletor do Motor de Partida PMGR para. HONDA: Civic 1.8L 2006-2008.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.03

SUBSTITUI / REPLACE:

ZM 89.507.00

12v

PMGR



APLICAÇÃO / USED ON:

-NIPPONDENSO: Carcaça Polar do Motor de Partida PMGR 12V 0,8 kW para. HONDA: Civic 1.7L 2001-2004, Fit 1.5L 2007-2008.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.01, 80.705.02

SUBSTITUI / REPLACE:

ZM 89.507.01

12v

PMGR



APLICAÇÃO / USED ON:

-NIPPONDENSO: Carcaça Polar do Motor de Partida PMGR 12V 0,8 kW para. HONDA: Civic 1.8L 2006-2008.

MOTOR DE PARTIDA / STARTER:

ZM: 80.705.03

SUBSTITUI / REPLACE:



ZM 89.840.00

M93R

APLICAÇÃO / USED ON:

PRESTOLITE: Mancal de Acionamento do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259640, 35259870. ZM: 80.480.01, 80.480.03

SUBSTITUI / REPLACE:

PRESTOLITE: 35260916.



ZM 89.840.01

M93R

APLICAÇÃO / USED ON:

PRESTOLITE: Mancal de Acionamento do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259390, 35259600, 35259620, 35259670, 35259690, 35261120, 35261155. ZM: 80.480.04, 80.480.07, 80.480.08

SUBSTITUI / REPLACE:

PRESTOLITE: 35259688.



ZM 89.840.02

M93R

APLICAÇÃO / USED ON:

PRESTOLITE: Mancal de Acionamento do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259430, 35259750, 35259760, 35261355, 35261360, 35261425. ZM: 80.480.02, 80.480.09, 80.480.10, 80.480.11, 80.840.05

SUBSTITUI / REPLACE:

PRESTOLITE: 35260972.



ZM 89.840.03

M93R

APLICAÇÃO / USED ON:

PRESTOLITE: Mancal de Acionamento do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35262570. ZM: 80.480.06

SUBSTITUI / REPLACE:

PRESTOLITE: 35262636.



ZM 89.845.00

M93R



APLICAÇÃO / USED ON:

PRESTOLITE: Mancal do Coletor do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35258620, 35258690, 35258950, 35259050, 35259170, 35259300, 35259400, 35259590, 35259630, 35259640, 35259650, 35259710, 35259720, 35259870, 35259880, 35260828, 35261000, 35261070. ZM: 80.480.01, 80.480.03

SUBSTITUI / REPLACE:

PRESTOLITE: 35258763.

ZM 89.845.01

M93R



APLICAÇÃO / USED ON:

PRESTOLITE: Mancal do Coletor do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35258940, 35259130, 35259390, 35259430, 35259600, 35259630, 35259670, 35259690, 35259750, 35259760, 35261120, 35261155, 35261355, 35261360, 35261425. ZM: 80.480.02, 80.480.04, 80.480.05, 80.480.07, 80.480.08, 80.480.09, 80.480.10, 80.480.11

SUBSTITUI / REPLACE:

PRESTOLITE: 35258914.

ZM 89.845.02

M93R



APLICAÇÃO / USED ON:

PRESTOLITE: Mancal do Coletor do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35258540, 35258710, 35258960, 35258970, 35258980, 35259030, 35259140, 35259150, 35259180, 35259210, 35259300, 35259310, 35259330, 35259390, 35259400, 35259430, 35259580, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259690, 35259710, 35259720, 35259828, 35259870, 35259880, 35260940, 35260950, 35261020, 35261070, 35261120, 35261155, 35261175. ZM: 80.480.06

SUBSTITUI / REPLACE:

PRESTOLITE: 35258651.

ZM 89.847.00

12v

M93R



APLICAÇÃO / USED ON:

-PRESTOLITE: Carcaça polar + 4 sapatas + 4 parafusos + bobina 12V do Motor de Partida M93R 3,0 KW.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35258490, 35258540, 35258580, 35258620, 35258660, 35258690, 35258710, 35258880, 35258910, 35258940, 35258950, 35258960, 35258970, 35258980, 35259030, 35259040, 35259050, 35259130, 35259140, 35259150, 35259180, 35259210, 35259300, 35259310, 35259330, 35259390, 35259400, 35259430, 35259580, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259690, 35259710, 35259720, 35259828, 35259870, 35259880, 35260940, 35260950, 35261020, 35261070, 35261120, 35261155, 35261175. ZM: 80.480.01, 80.480.02, 80.480.03, 80.480.04, 80.480.05, 80.480.06

SUBSTITUI / REPLACE:

PRESTOLITE: 35258609, 35261077.



ZM 89.847.01

M93R



APLICAÇÃO / USED ON:

PRESTOLITE: Carcaça polar + 4 sapatas + 4 parafusos, do Motor de Partida M93R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35258490, 35258540, 35258580, 35258620, 35258660, 35258690, 35258710, 35258880, 35258910, 35258940, 35258950, 35258960, 35258970, 35258980, 35259030, 35259040, 35259050, 35259130, 35259140, 35259150, 35259180, 35259210, 35259300, 35259310, 35259330, 35259390, 35259400, 35259430, 35259580, 35259600, 35259620, 35259630, 35259640, 35259650, 35259660, 35259670, 35259680, 35259690, 35259710, 35259720, 35259828, 35259870, 35259880, 35260940, 35260950, 35261020, 35261070, 35261120, 35261155, 35261175. ZM: 80.480.01, 80.480.02, 80.480.03, 80.480.04, 80.480.05, 80.480.06

SUBSTITUI / REPLACE:

ZM 89.810.00

M100R



APLICAÇÃO / USED ON:

PRESTOLITE: Mancal de Acionamento do Motor de Partida M100R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35261135, 35262190. ZM: 80.481.01

SUBSTITUI / REPLACE:

PRESTOLITE: 35261133.

ZM 89.810.01

M100R



APLICAÇÃO / USED ON:

PRESTOLITE: Mancal de Acionamento do Motor de Partida M100R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259450, 35259730, 35259810, 35259870, 35260870. ZM: 80.481.02, 80.481.03

SUBSTITUI / REPLACE:

PRESTOLITE: 35259785.

ZM 89.815.00

M100R



APLICAÇÃO / USED ON:

PRESTOLITE: Mancal do Coletor do Motor de Partida M100R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259450, 35259550, 35260870, 35261135, 35261160. ZM: 80.481.01

SUBSTITUI / REPLACE:

PRESTOLITE: 35259767.



ZM 89.817.00

12v

M100R

APLICAÇÃO / USED ON:

PRESTOLITE: Carcaça polar + 4 sapatas + 4 parafusos + bobina 12V do Motor de Partida M100R 4,0 KW.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259260, 35259450, 35259520, 35259730, 35260870, 35261135. ZM: 80.481.01, 80.481.02, 80.481.03

SUBSTITUI / REPLACE:

PRESTOLITE: 35262226.



ZM 89.817.01

M100R

APLICAÇÃO / USED ON:

PRESTOLITE: Carcaça polar + 4 sapatas + 4 parafusos do Motor de Partida M100R.

MOTOR DE PARTIDA / STARTER:

PRESTOLITE: 35259260, 35259450, 35259520, 35259730, 35260870, 35261135. ZM: 80.481.01, 80.481.02, 80.481.03

SUBSTITUI / REPLACE:



ZM 89.210.00

APLICAÇÃO / USED ON:

VALEO: Mancal de Acionamento do Motor de Partida para. L200; Kia Bongo; Hyundai HR, todos com motor 2.5L.

MOTOR DE PARTIDA / STARTER:

VALEO: 36100-42350. ZM: 80.201.04

SUBSTITUI / REPLACE:



ZM 89.215.00

APLICAÇÃO / USED ON:

VALEO: Mancal do Coletor do Motor de Partida para. L200; Kia Bongo; Hyundai HR, todos com motor 2.5L.

MOTOR DE PARTIDA / STARTER:

VALEO: 36100-42350. ZM: 80.201.04

SUBSTITUI / REPLACE:



ZM 89.217.00 12v

APLICAÇÃO / USED ON:

VALEO: Carça Polar do Motor de Partida DW 12V 2,2KW para. L200; Kia Bongo; Hyundai HR, todos com motor 2.5L.

MOTOR DE PARTIDA / STARTER:

VALEO: 36100-42350. ZM: 80.201.04

SUBSTITUI / REPLACE:



ZM 89.510.00

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal de Acionamento do Motor de Partida tipo MPB para. MASSEY FERGUSON: MF220, Trator MF275, MF285, MF290, MF85 X com motor Perkins.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.028, 9.000.453.038, 9.000.453.051. WAPSA: MPB-23, MPB-63

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.120. WAPSA: 232-45, 232045.

ZM 89.510.01

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal de Acionamento do Motor de Partida tipo MPB para. CASE: Retroescavadeira série 580, 580H c/ motor Perkins 4 cil.. CBT: Trator c/ motor Perkins 4 cil.. CHRYSLER: Caminhão Dodge D400 c/ motor Perkins-MWM 4 e 6 cil. e Perkins 4 cil.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.049. WAPSA: MPB-33

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.121. WAPSA: 232-49, 232049.

ZM 89.510.02

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal de Acionamento do Motor de Partida tipo MPB para. CBT: Trator 1000 c/ motor Perkins 4 cil.. MASSEY FERGUSON: Trator MF235, MF250, MF265, MF50 X, MF55 X, MF65 R, MF65 X, Perkins - 4 cil.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.043, 9.000.453.052. WAPSA: MPB-17, MPB-18

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.104. WAPSA: 232-18, 232018.

ZM 89.510.05

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal de Acionamento do Motor de Partida tipo MPB para. CASE: Trator 580E/580CK c/ perkins 4cil.. CLARK: Empilhadeira C300 HY 40/50/60. EATON: Empilhadeira D83P/D83C/D87P. MASSEY FERGUSON: Trator MF-3366 e MF-400.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.054. WAPSA: MPB-11

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.110. WAPSA: 232-35, 232035.



ZM 89.510.06

MPB



APLICAÇÃO / USED ON:

WAPSA: Mancal de Acionamento do Motor de Partida tipo MPB para Empilhadeira Yale.

MOTOR DE PARTIDA / STARTER:

WAPSA: MP-B-27

SUBSTITUI / REPLACE:

WAPSA: 232-40, 232040.

ZM 89.510.11

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal de Acionamento do Motor de Partida tipo MPB para. MASSEY FERGUSON: Tratores MF 295, MF 296 com motor Perkins 6.324 6 Cil. e MF 296 a álcool.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.046, 9.000.453.061. WAPSA: MPB-50, MPB-70

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.132. WAPSA: 232-57, 232057.

ZM 89.515.00

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal do Coletor do Motor de partida MPB para. CBT: Trator 1090, 1100 com motor Perkins 6 cil até 1971.. CLARCK: Pá-carregadeira Michigan com motor Perkins 6 cil até 1971.. FORD: Caminhão com motor Perkins até 1971. PERKINS: Com motor 4 cil: Trator MF50X, MF55X, MF65X, MF235, MF 250, MF265. CBT 1000 com partida Wapsa.

SUBSTITUI / REPLACE:

WAPSA: 231010.

ZM 89.515.01

MPB



APLICAÇÃO / USED ON:

-WAPSA: Mancal do Coletor do Motor de partida MPB para. AGRAL: Trator T4200, T4300. Motor estacionário M 790. CASE: Pá Carregadeira W7 com motor Perkins 6 cil. CBT: Trator 1000 c/ motor Perkins a partir de 11/71.. FORD: Cargo 1218, 1415, 1418, 1618, 2218 c/ motor FORD.. GM: Caminhão A60, A70, A80, A90 c/ motor 292 a álcool.. HISTER: Guindaste KF a partir de 06/70.. MASSEY FERGUSON: Colheitadeira MF220; Trator MF235; MF250, MF265, MF275; MF285.. MWM: Motor 03,04,06 cil com partida Wapsa.. NEW HOLLAND: Trator: 4600, 4610, 5610, 6600, 6610.. TOYOTA: Utilitário Bandeirante, Jeep c/ partida Wapsa. VALMET: Trator c/ motor 3, 4 e 6 cil.. VW: Caminhão 11.130, 13.130; 6.90 todos c/ motor MWM.. WILLYS: Aero Willis, Itamaraty, Jeep, Pick-up, Rural.

MOTOR DE PARTIDA / STARTER:

BOSCH: 9.000.453.020, 9.000.453.033, 9.000.453.034, 9.000.453.041, 9.000.453.043, 9.000.453.046, 9.000.453.047, 9.000.453.048, 9.000.453.049, 9.000.453.050, 9.000.453.051, 9.000.453.055, 9.000.453.057, 9.000.453.062

SUBSTITUI / REPLACE:

BOSCH: 9.001.453.037. WAPSA: 231013.



COMPONENTES SPARE PARTS	Nº ZM ZM Nr.	Pag. Page	COMPONENTES SPARE PARTS	Nº ZM ZM Nr.	Pag. Page	COMPONENTES SPARE PARTS	Nº ZM ZM Nr.	Pag. Page
BOSCH			BOSCH			DELCO REMY		
1.005.001.326	89.327.00	K- 006	9.001.083.346	89.167.01	K- 011	1969529	89.350.03	L- 001
1.005.001.808	89.107.01	K- 014	9.001.083.370	89.125.00	K- 004	1970259	89.350.03	L- 001
1.005.821.468	89.100.00	K- 013	9.001.083.374	89.120.00	K- 003	1970297	89.350.03	L- 001
1.005.822.169	89.160.05	K- 009	9.001.083.381	89.120.01	K- 003	1986333	89.700.01	L- 006
1.005.831.432	89.100.01	K- 013	9.001.083.395	89.124.01	K- 004	1988111	89.707.03	L- 009
1.005.851.014	89.105.00	K- 014	9.001.083.397	89.120.02	K- 003	1988126	89.705.02	L- 009
1.005.851.070	89.325.00	K- 006	9.001.083.413	89.124.00	K- 004	1988137	89.700.02	L- 008
1.005.851.095	89.105.01	K- 014	9.001.083.422	89.120.05	K- 004	1988436	89.704.02	L- 009
2.004.115.000	89.117.00	K- 001	9.001.083.557	89.127.00	K- 005	ISKRA		
2.004.115.004	89.117.00	K- 001	9.001.083.557	89.127.01	K- 005	16.281.087	89.120.01	K- 003
2.004.115.005	89.117.00	K- 001	9.001.083.574	89.137.00	K- 005	16.281.334	89.124.00	K- 004
2.004.115.006	89.117.00	K- 001	9.001.083.575	89.127.01	K- 005	16.905.481	89.125.00	K- 004
2.004.115.007	89.117.00	K- 001	9.001.083.588	89.127.01	K- 005	PRESTOLITE		
2.004.115.008	89.117.00	K- 001	9.001.083.593	89.137.00	K- 005	35258609	89.847.00	O- 002
2.004.115.009	89.117.00	K- 001	9.001.083.604	89.127.04	K- 006	35258651	89.845.02	O- 002
2.004.115.029	89.117.00	K- 001	9.001.084.062	89.110.01	K- 001	35258763	89.845.00	O- 002
2.004.115.030	89.117.00	K- 001	9.001.084.119	89.110.03	K- 001	35258914	89.845.01	O- 002
2.004.115.031	89.117.00	K- 001	9.001.084.160	89.115.00	K- 002	35259688	89.840.01	O- 001
2.004.115.036	89.117.00	K- 001	9.001.453.037	89.515.01	Q- 002	35259767	89.815.00	O- 003
2.004.115.036	89.117.01	K- 002	9.001.453.104	89.510.02	Q- 001	35259785	89.810.01	O- 003
2.004.115.046	89.117.00	K- 001	9.001.453.110	89.510.05	Q- 001	35260916	89.840.00	O- 001
2.004.115.052	89.117.00	K- 001	9.001.453.120	89.510.00	Q- 001	35260972	89.840.02	O- 001
2.004.115.088	89.117.00	K- 001	9.001.453.121	89.510.01	Q- 001	35261077	89.847.00	O- 002
2.004.125.000	89.117.01	K- 002	9.001.453.132	89.510.11	Q- 002	35261133	89.810.00	O- 003
2.004.125.004	89.117.01	K- 002	9.001.453.704	89.350.00	K- 002	35262226	89.817.00	O- 004
2.004.125.005	89.117.01	K- 002	F.000.AL1.009	89.105.00	K- 014	35262636	89.840.03	O- 001
2.004.125.006	89.117.01	K- 002	F.000.AL1.021	89.157.01	K- 016	WAPSA		
2.004.125.007	89.117.01	K- 002	F.000.AL1.114	89.150.00	K- 015	231010	89.515.00	Q- 002
2.004.125.008	89.117.01	K- 002	F.000.AL1.137	89.300.01	K- 007	231013	89.515.01	Q- 002
2.004.125.009	89.117.01	K- 002	F.000.AL1.138	89.300.00	K- 007	232-18	89.510.02	Q- 001
2.004.125.029	89.117.01	K- 002	F.000.AL1.193	89.200.00	K- 012	232-35	89.510.05	Q- 001
2.004.125.030	89.117.01	K- 002	F.000.AL1.421	89.205.00	K- 012	232-40	89.510.06	Q- 002
2.004.125.031	89.117.01	K- 002	F.000.AL1.528	89.155.00	K- 015	232-45	89.510.00	Q- 001
2.004.125.036	89.117.01	K- 002	F.000.AL2.618	89.320.00	K- 006	232-49	89.510.01	Q- 001
2.004.125.046	89.117.01	K- 002	DELCO REMY			232-57	89.510.11	Q- 002
2.004.125.052	89.117.01	K- 002	10456470	89.804.00	L- 001	232018	89.510.02	Q- 001
2.004.125.088	89.117.01	K- 002	10457026	89.800.00	L- 001	232035	89.510.05	Q- 001
2.005.825.099	89.110.00	K- 001	10457036	89.805.02	L- 003	232040	89.510.06	Q- 002
2.005.834.599	89.354.01	K- 002	10457037	89.804.01	L- 002	232045	89.510.00	Q- 001
2.005.834.599	89.354.01	K- 003	10457118	89.807.01	L- 003	232049	89.510.01	Q- 001
2.005.852.008	89.165.00	K- 010	10457359	89.800.01	L- 001	232057	89.510.11	Q- 002
6.033.AD0.016	89.305.01	K- 007	10457363	89.804.02	L- 002	ZM		
6.033.AD0.095	89.305.00	K- 007	10468110	89.707.01	L- 007	81.130.02	89.305.00	K- 007
6.033.AD1.249	89.307.01	K- 008	10468709	89.705.01	L- 007	81.130.02	89.307.00	K- 008
6.033.AD1.258	89.307.00	K- 008	10469230	89.707.02	L- 007			
6.033.AD2.002	89.307.01	K- 008	10483822	89.807.00	L- 003			
9.001.081.000	89.107.00	K- 014	10498654	89.704.01	L- 006			
9.001.081.020	89.157.00	K- 015	10500121	89.805.00	L- 002			
9.001.081.032	89.207.00	K- 012	10500290	89.805.01	L- 002			
9.001.081.061	89.150.01	K- 015	10511940	89.387.00	L- 008			
9.001.081.086	89.250.00	K- 012	10511941	89.387.01	L- 008			
9.001.081.090	89.255.00	K- 013	10512098	89.385.00	L- 008			
9.001.081.095	89.257.00	K- 013	10512103	89.380.00	L- 007			
9.001.082.326	89.160.02	K- 009	10515818	89.905.00	L- 005			
9.001.082.395	89.167.01	K- 010	10515820	89.905.01	L- 005			
9.001.082.395	89.167.01	K- 011	10515825	89.900.04	L- 004			
9.001.082.454	89.160.03	K- 009	10515826	89.900.00	L- 003			
9.001.082.465	89.167.02	K- 011	10515827	89.900.03	L- 004			
9.001.082.480	89.160.00	K- 008	10515830	89.907.00	L- 006			
9.001.082.515	89.167.01	K- 010	10515832	89.907.01	L- 006			
9.001.082.515	89.167.01	K- 011	10518785	89.905.02	L- 005			
9.001.082.526	89.160.01	K- 008	10524150	89.900.02	L- 004			
9.001.082.537	89.160.04	K- 009	10524151	89.900.01	L- 004			
9.001.082.568	89.167.04	K- 011	10526502	89.900.05	L- 005			
9.001.082.584	89.167.02	K- 011	1935864	89.350.03	L- 001			
9.001.083.024	89.354.00	K- 016	1958544	89.350.03	L- 001			
9.001.083.341	89.127.01	K- 005	1961276	89.350.03	L- 001			
9.001.083.346	89.167.01	K- 010	1968654	89.350.03	L- 001			



M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page
BOSCH			BOSCH			BOSCH		
0.001.107.007	89.105.00	K- 014	0.001.410.075	89.117.01	K- 002	9.000.082.045	89.167.01	K- 011
0.001.107.075	89.205.00	K- 012	0.001.410.076	89.117.01	K- 002	9.000.082.046	89.160.00	K- 008
0.001.107.075	89.207.00	K- 012	0.001.410.077	89.117.01	K- 002	9.000.082.046	89.165.00	K- 010
0.001.109.018	89.325.00	K- 006	0.001.410.078	89.117.01	K- 002	9.000.082.046	89.167.00	K- 010
0.001.109.250	89.100.01	K- 013	0.001.410.081	89.117.01	K- 002	9.000.082.046	89.167.02	K- 011
0.001.109.250	89.105.01	K- 014	0.001.410.083	89.117.01	K- 002	9.000.082.047	89.167.00	K- 010
0.001.109.250	89.107.01	K- 014	0.001.410.086	89.117.01	K- 002	9.000.082.047	89.167.02	K- 011
0.001.110.126	89.325.00	K- 006	0.001.410.087	89.117.01	K- 002	9.000.082.048	89.167.00	K- 010
0.001.112.015	89.155.00	K- 015	0.001.410.088	89.117.01	K- 002	9.000.082.048	89.167.01	K- 010
0.001.112.015	89.157.00	K- 015	0.001.410.089	89.117.01	K- 002	9.000.082.048	89.167.01	K- 011
0.001.112.025	89.157.00	K- 015	0.001.417.042	89.110.00	K- 001	9.000.082.049	89.167.00	K- 010
0.001.112.033	89.155.00	K- 015	9.000.081.001	89.100.00	K- 013	9.000.082.049	89.167.02	K- 011
0.001.112.033	89.157.00	K- 015	9.000.081.001	89.105.00	K- 014	9.000.082.050	89.165.00	K- 010
0.001.112.038	89.255.00	K- 013	9.000.081.001	89.107.00	K- 014	9.000.082.050	89.167.03	K- 011
0.001.124.015	89.325.00	K- 006	9.000.081.003	89.157.00	K- 015	9.000.082.050	89.167.04	K- 011
0.001.211.218	89.160.05	K- 009	9.000.081.004	89.205.00	K- 012	9.000.082.051	89.167.00	K- 010
0.001.211.219	89.160.05	K- 009	9.000.081.004	89.207.00	K- 012	9.000.082.051	89.167.01	K- 010
0.001.223.010	89.300.01	K- 007	9.000.081.005	89.205.00	K- 012	9.000.082.051	89.167.01	K- 011
0.001.223.010	89.305.01	K- 007	9.000.081.005	89.207.00	K- 012	9.000.082.053	89.167.00	K- 010
0.001.223.010	89.307.01	K- 008	9.000.081.006	89.205.00	K- 012	9.000.082.053	89.167.01	K- 010
0.001.223.505	89.300.00	K- 007	9.000.081.006	89.207.00	K- 012	9.000.082.053	89.167.01	K- 011
0.001.223.505	89.305.00	K- 007	9.000.081.007	89.205.00	K- 012	9.000.082.054	89.167.03	K- 011
0.001.223.505	89.307.00	K- 008	9.000.081.007	89.207.00	K- 012	9.000.082.054	89.167.04	K- 011
0.001.410.015	89.115.00	K- 002	9.000.081.008	89.205.00	K- 012	9.000.082.055	89.167.03	K- 011
0.001.410.015	89.117.01	K- 002	9.000.081.008	89.207.00	K- 012	9.000.082.055	89.167.04	K- 011
0.001.410.016	89.115.00	K- 002	9.000.081.009	89.150.01	K- 015	9.000.082.058	89.160.04	K- 009
0.001.410.016	89.117.01	K- 002	9.000.081.009	89.155.00	K- 015	9.000.082.058	89.165.00	K- 010
0.001.410.017	89.115.00	K- 002	9.000.081.010	89.250.00	K- 012	9.000.082.058	89.167.03	K- 011
0.001.410.017	89.117.01	K- 002	9.000.081.010	89.255.00	K- 013	9.000.082.058	89.167.04	K- 011
0.001.410.019	89.117.01	K- 002	9.000.081.010	89.257.00	K- 013	9.000.082.059	89.167.03	K- 011
0.001.410.021	89.117.01	K- 002	9.000.082.021	89.160.02	K- 009	9.000.082.059	89.167.04	K- 011
0.001.410.022	89.117.01	K- 002	9.000.082.032	89.167.00	K- 010	9.000.082.061	89.155.00	K- 015
0.001.410.024	89.117.01	K- 002	9.000.082.032	89.167.02	K- 011	9.000.082.063	89.167.03	K- 011
0.001.410.026	89.117.01	K- 002	9.000.082.033	89.160.01	K- 008	9.000.082.063	89.167.04	K- 011
0.001.410.027	89.117.01	K- 002	9.000.082.033	89.165.00	K- 010	9.000.082.064	89.167.03	K- 011
0.001.410.029	89.117.01	K- 002	9.000.082.033	89.167.00	K- 010	9.000.082.064	89.167.04	K- 011
0.001.410.032	89.117.01	K- 002	9.000.082.033	89.167.01	K- 010	9.000.082.065	89.167.00	K- 010
0.001.410.034	89.117.01	K- 002	9.000.082.033	89.167.01	K- 011	9.000.082.065	89.167.01	K- 010
0.001.410.035	89.117.01	K- 002	9.000.082.034	89.167.00	K- 010	9.000.082.065	89.167.01	K- 011
0.001.410.036	89.115.00	K- 002	9.000.082.034	89.167.02	K- 011	9.000.082.069	89.167.00	K- 010
0.001.410.037	89.117.01	K- 002	9.000.082.036	89.160.04	K- 009	9.000.082.069	89.167.01	K- 010
0.001.410.041	89.115.00	K- 002	9.000.082.036	89.165.00	K- 010	9.000.082.069	89.167.01	K- 011
0.001.410.041	89.117.01	K- 002	9.000.082.039	89.160.02	K- 009	9.000.082.070	89.167.03	K- 011
0.001.410.043	89.117.01	K- 002	9.000.082.039	89.167.00	K- 010	9.000.082.070	89.167.04	K- 011
0.001.410.044	89.117.01	K- 002	9.000.082.039	89.167.01	K- 010	9.000.082.073	89.167.00	K- 010
0.001.410.046	89.117.01	K- 002	9.000.082.039	89.167.01	K- 011	9.000.082.073	89.167.02	K- 011
0.001.410.047	89.117.01	K- 002	9.000.082.040	89.160.02	K- 009	9.000.082.074	89.167.03	K- 011
0.001.410.049	89.117.01	K- 002	9.000.082.040	89.165.00	K- 010	9.000.082.074	89.167.04	K- 011
0.001.410.050	89.117.01	K- 002	9.000.082.040	89.167.00	K- 010	9.000.082.076	89.167.00	K- 010
0.001.410.052	89.117.01	K- 002	9.000.082.040	89.167.01	K- 010	9.000.082.076	89.167.01	K- 010
0.001.410.058	89.117.01	K- 002	9.000.082.040	89.167.01	K- 011	9.000.082.076	89.167.01	K- 011
0.001.410.061	89.117.01	K- 002	9.000.082.040	89.155.00	K- 015	9.000.082.077	89.160.00	K- 008
0.001.410.062	89.117.01	K- 002	9.000.082.041	89.167.00	K- 010	9.000.082.077	89.165.00	K- 010
0.001.410.063	89.117.01	K- 002	9.000.082.041	89.167.01	K- 010	9.000.082.077	89.167.00	K- 010
0.001.410.065	89.117.01	K- 002	9.000.082.041	89.167.01	K- 011	9.000.082.077	89.167.01	K- 010
0.001.410.067	89.117.01	K- 002	9.000.082.043	89.167.03	K- 011	9.000.082.077	89.167.01	K- 011
0.001.410.068	89.117.01	K- 002	9.000.082.043	89.167.04	K- 011	9.000.082.078	89.167.03	K- 011
0.001.410.069	89.117.01	K- 002	9.000.082.045	89.160.03	K- 009	9.000.082.078	89.167.04	K- 011
0.001.410.073	89.117.01	K- 002	9.000.082.045	89.167.00	K- 010	9.000.082.081	89.160.02	K- 009
0.001.410.074	89.117.01	K- 002	9.000.082.045	89.167.01	K- 010	9.000.082.081	89.167.00	K- 010



M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page
BOSCH			BOSCH			BOSCH		
9.000.082.081	89.167.01	K- 010	9.000.083.050	89.124.01	K- 004	9.000.083.068	89.124.01	K- 004
9.000.082.081	89.167.01	K- 011	9.000.083.050	89.125.00	K- 004	9.000.083.068	89.125.00	K- 004
9.000.082.082	89.160.02	K- 009	9.000.083.050	89.127.00	K- 005	9.000.083.068	89.137.00	K- 005
9.000.082.082	89.167.00	K- 010	9.000.083.050	89.137.00	K- 005	9.000.083.069	89.124.00	K- 004
9.000.082.082	89.167.01	K- 010	9.000.083.051	89.124.01	K- 004	9.000.083.069	89.125.00	K- 004
9.000.082.082	89.167.01	K- 011	9.000.083.051	89.125.00	K- 004	9.000.083.069	89.127.00	K- 005
9.000.082.082	89.155.00	K- 015	9.000.083.052	89.124.01	K- 004	9.000.083.069	89.127.01	K- 005
9.000.082.083	89.155.00	K- 015	9.000.083.052	89.125.00	K- 004	9.000.083.069	89.127.03	K- 005
9.000.082.085	89.155.00	K- 015	9.000.083.053	89.120.00	K- 003	9.000.083.069	89.127.04	K- 006
9.000.083.001	89.354.00	K- 016	9.000.083.053	89.124.00	K- 004	9.000.083.071	89.120.01	K- 003
9.000.083.002	89.354.00	K- 016	9.000.083.053	89.125.00	K- 004	9.000.083.071	89.124.00	K- 004
9.000.083.004	89.354.00	K- 016	9.000.083.053	89.127.01	K- 005	9.000.083.071	89.125.00	K- 004
9.000.083.011	89.354.00	K- 016	9.000.083.054	89.120.01	K- 003	9.000.083.071	89.127.01	K- 005
9.000.083.012	89.354.00	K- 016	9.000.083.054	89.124.00	K- 004	9.000.083.072	89.124.00	K- 004
9.000.083.013	89.354.00	K- 016	9.000.083.054	89.125.00	K- 004	9.000.083.072	89.125.00	K- 004
9.000.083.014	89.127.00	K- 005	9.000.083.054	89.127.01	K- 005	9.000.083.072	89.127.00	K- 005
9.000.083.014	89.127.01	K- 005	9.000.083.055	89.120.05	K- 004	9.000.083.072	89.127.01	K- 005
9.000.083.018	89.127.00	K- 005	9.000.083.055	89.124.00	K- 004	9.000.083.072	89.127.03	K- 005
9.000.083.018	89.127.01	K- 005	9.000.083.055	89.125.00	K- 004	9.000.083.072	89.127.04	K- 006
9.000.083.025	89.124.01	K- 004	9.000.083.055	89.127.01	K- 005	9.000.083.073	89.124.00	K- 004
9.000.083.027	89.120.00	K- 003	9.000.083.056	89.120.02	K- 003	9.000.083.073	89.125.00	K- 004
9.000.083.027	89.124.00	K- 004	9.000.083.056	89.124.00	K- 004	9.000.083.073	89.137.00	K- 005
9.000.083.027	89.125.00	K- 004	9.000.083.056	89.125.00	K- 004	9.000.083.074	89.124.00	K- 004
9.000.083.027	89.127.00	K- 005	9.000.083.056	89.127.01	K- 005	9.000.083.074	89.124.01	K- 004
9.000.083.027	89.127.01	K- 005	9.000.083.057	89.120.05	K- 004	9.000.083.074	89.125.00	K- 004
9.000.083.028	89.120.01	K- 003	9.000.083.057	89.124.00	K- 004	9.000.083.074	89.127.01	K- 005
9.000.083.028	89.124.00	K- 004	9.000.083.057	89.125.00	K- 004	9.000.083.075	89.124.00	K- 004
9.000.083.028	89.125.00	K- 004	9.000.083.057	89.127.01	K- 005	9.000.083.075	89.124.01	K- 004
9.000.083.028	89.127.00	K- 005	9.000.083.058	89.124.00	K- 004	9.000.083.075	89.125.00	K- 004
9.000.083.028	89.127.01	K- 005	9.000.083.058	89.125.00	K- 004	9.000.083.075	89.127.01	K- 005
9.000.083.029	89.127.01	K- 005	9.000.083.058	89.127.01	K- 005	9.000.083.076	89.124.00	K- 004
9.000.083.031	89.124.01	K- 004	9.000.083.059	89.124.00	K- 004	9.000.083.076	89.124.01	K- 004
9.000.083.031	89.125.00	K- 004	9.000.083.059	89.125.00	K- 004	9.000.083.076	89.125.00	K- 004
9.000.083.031	89.127.01	K- 005	9.000.083.059	89.127.01	K- 005	9.000.083.076	89.137.00	K- 005
9.000.083.035	89.120.05	K- 004	9.000.083.060	89.127.01	K- 005	9.000.083.077	89.120.02	K- 003
9.000.083.035	89.124.00	K- 004	9.000.083.061	89.124.01	K- 004	9.000.083.077	89.124.00	K- 004
9.000.083.035	89.125.00	K- 004	9.000.083.061	89.125.00	K- 004	9.000.083.077	89.124.01	K- 004
9.000.083.035	89.127.01	K- 005	9.000.083.061	89.127.01	K- 005	9.000.083.077	89.125.00	K- 004
9.000.083.036	89.120.02	K- 003	9.000.083.062	89.124.01	K- 004	9.000.083.077	89.127.01	K- 005
9.000.083.036	89.124.00	K- 004	9.000.083.062	89.125.00	K- 004	9.000.083.078	89.124.00	K- 004
9.000.083.036	89.125.00	K- 004	9.000.083.062	89.127.01	K- 005	9.000.083.079	89.120.02	K- 003
9.000.083.036	89.127.01	K- 005	9.000.083.063	89.124.01	K- 004	9.000.083.082	89.120.02	K- 003
9.000.083.037	89.124.00	K- 004	9.000.083.063	89.125.00	K- 004	9.000.083.082	89.127.01	K- 005
9.000.083.037	89.125.00	K- 004	9.000.083.063	89.127.00	K- 005	9.000.083.083	89.124.01	K- 004
9.000.083.038	89.124.00	K- 004	9.000.083.063	89.137.00	K- 005	9.000.083.086	89.124.01	K- 004
9.000.083.038	89.125.00	K- 004	9.000.083.064	89.120.00	K- 003	9.000.083.089	89.127.01	K- 005
9.000.083.038	89.127.01	K- 005	9.000.083.064	89.124.00	K- 004	9.000.083.090	89.127.01	K- 005
9.000.083.041	89.124.01	K- 004	9.000.083.064	89.125.00	K- 004	9.000.083.091	89.127.01	K- 005
9.000.083.041	89.125.00	K- 004	9.000.083.064	89.127.01	K- 005	9.000.083.596	89.124.00	K- 004
9.000.083.042	89.124.00	K- 004	9.000.083.065	89.120.01	K- 003	9.000.084.007	89.117.00	K- 001
9.000.083.042	89.125.00	K- 004	9.000.083.065	89.124.00	K- 004	9.000.084.007	89.115.00	K- 002
9.000.083.042	89.127.01	K- 005	9.000.083.065	89.125.00	K- 004	9.000.084.007	89.117.01	K- 002
9.000.083.043	89.124.00	K- 004	9.000.083.065	89.127.00	K- 005	9.000.084.008	89.117.01	K- 002
9.000.083.043	89.125.00	K- 004	9.000.083.065	89.137.00	K- 005	9.000.084.009	89.117.01	K- 002
9.000.083.043	89.127.00	K- 005	9.000.083.066	89.124.01	K- 004	9.000.084.010	89.117.01	K- 002
9.000.083.043	89.137.00	K- 005	9.000.083.066	89.125.00	K- 004	9.000.084.011	89.117.01	K- 002
9.000.083.045	89.124.01	K- 004	9.000.083.066	89.137.00	K- 005	9.000.084.012	89.115.00	K- 002
9.000.083.045	89.125.00	K- 004	9.000.083.067	89.120.02	K- 003	9.000.084.012	89.117.01	K- 002
9.000.083.046	89.124.00	K- 004	9.000.083.067	89.124.00	K- 004	9.000.084.013	89.110.00	K- 001
9.000.083.046	89.125.00	K- 004	9.000.083.067	89.127.01	K- 005	9.000.084.013	89.115.00	K- 002



M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page
BOSCH			BOSCH			BOSCH		
9.000.084.013	89.117.01	K- 002	9.000.453.083	89.125.00	K- 004	F.000.AL0.305	89.157.01	K- 016
9.000.084.014	89.117.01	K- 002	9.000.453.083	89.127.01	K- 005	F.000.AL0.306	89.255.00	K- 013
9.000.084.015	89.117.01	K- 002	9.000.453.084	89.124.00	K- 004	F.000.AL0.307	89.155.00	K- 015
9.000.084.016	89.117.01	K- 002	9.000.453.084	89.125.00	K- 004	F.000.AL0.307	89.157.00	K- 015
9.000.084.018	89.117.01	K- 002	9.000.453.086	89.125.00	K- 004	F.000.AL0.309	89.155.00	K- 015
9.000.084.019	89.115.00	K- 002	9.000.453.086	89.127.00	K- 005	F.000.AL0.310	89.155.00	K- 015
9.000.084.019	89.117.01	K- 002	9.000.453.086	89.137.00	K- 005	F.000.AL0.310	89.157.00	K- 015
9.000.084.020	89.117.01	K- 002	9.000.453.088	89.124.00	K- 004	F.000.AL0.313	89.255.00	K- 013
9.000.084.021	89.117.01	K- 002	9.000.453.088	89.125.00	K- 004	F.000.AL0.314	89.150.00	K- 015
9.000.084.022	89.117.01	K- 002	9.000.453.088	89.137.00	K- 005	F.000.AL0.314	89.155.00	K- 015
9.000.084.023	89.117.01	K- 002	9.000.453.089	89.124.00	K- 004	F.000.AL0.326	89.155.00	K- 015
9.000.084.024	89.117.01	K- 002	9.000.453.089	89.125.00	K- 004	F.000.AL0.326	89.157.00	K- 015
9.000.084.026	89.117.01	K- 002	9.000.453.089	89.127.01	K- 005	F.000.AL0.328	89.155.00	K- 015
9.000.084.119	89.110.03	K- 001	9.000.453.090	89.124.00	K- 004	F.000.AL0.329	89.255.00	K- 013
9.000.453.020	89.515.01	Q- 002	9.000.453.090	89.125.00	K- 004	F.000.AL0.330	89.150.00	K- 015
9.000.453.028	89.510.00	Q- 001	9.000.453.090	89.127.01	K- 005	F.000.AL0.330	89.155.00	K- 015
9.000.453.033	89.515.01	Q- 002	9.000.453.091	89.124.00	K- 004	F.000.AL0.334	89.155.00	K- 015
9.000.453.034	89.515.01	Q- 002	9.000.453.091	89.125.00	K- 004	F.000.AL0.400	89.155.00	K- 015
9.000.453.038	89.510.00	Q- 001	9.000.453.091	89.127.00	K- 005	F.000.AL0.400	89.157.00	K- 015
9.000.453.041	89.515.01	Q- 002	9.000.453.091	89.127.01	K- 005	F.000.AL0.401	89.250.00	K- 012
9.000.453.043	89.510.02	Q- 001	9.000.840.012	89.110.00	K- 001	F.000.AL0.401	89.255.00	K- 013
9.000.453.043	89.515.01	Q- 002	9.001.084.007	89.110.01	K- 001	F.000.AL0.401	89.257.00	K- 013
9.000.453.046	89.510.11	Q- 002	9.007.044.002	89.124.00	K- 004	F.000.AL0.402	89.255.00	K- 013
9.000.453.046	89.515.01	Q- 002	F.000.AL0.100	89.205.00	K- 012	F.000.AL0.413	89.155.00	K- 015
9.000.453.047	89.515.01	Q- 002	F.000.AL0.100	89.207.00	K- 012	F.000.AL0.413	89.157.00	K- 015
9.000.453.048	89.515.01	Q- 002	F.000.AL0.101	89.205.00	K- 012	F.000.AL0.414	89.250.00	K- 012
9.000.453.049	89.510.01	Q- 001	F.000.AL0.102	89.205.00	K- 012	F.000.AL0.414	89.255.00	K- 013
9.000.453.049	89.515.01	Q- 002	F.000.AL0.102	89.207.00	K- 012	F.000.AL0.414	89.257.00	K- 013
9.000.453.050	89.515.01	Q- 002	F.000.AL0.103	89.207.00	K- 012	F.000.AL0.415	89.255.00	K- 013
9.000.453.051	89.510.00	Q- 001	F.000.AL0.104	89.205.00	K- 012	F.000.AL0.502	89.200.00	K- 012
9.000.453.051	89.515.01	Q- 002	F.000.AL0.105	89.325.00	K- 006	F.000.AL0.502	89.205.00	K- 012
9.000.453.052	89.510.02	Q- 001	F.000.AL0.106	89.207.00	K- 012	F.000.AL0.502	89.207.00	K- 012
9.000.453.054	89.510.05	Q- 001	F.000.AL0.107	89.325.00	K- 006	F.000.AL0.507	89.200.00	K- 012
9.000.453.055	89.515.01	Q- 002	F.000.AL0.112	89.325.00	K- 006	F.000.AL0.507	89.205.00	K- 012
9.000.453.057	89.515.01	Q- 002	F.000.AL0.117	89.325.00	K- 006	F.000.AL0.507	89.207.00	K- 012
9.000.453.061	89.510.11	Q- 002	F.000.AL0.120	89.207.00	K- 012	F.000.AL0.700	89.127.00	K- 005
9.000.453.062	89.515.01	Q- 002	F.000.AL0.121	89.205.00	K- 012	F.000.AL0.700	89.137.00	K- 005
9.000.453.067	89.350.00	K- 002	F.000.AL0.126	89.327.00	K- 006	F.006.AL0.602	89.127.00	K- 005
9.000.453.067	89.354.01	K- 002	F.000.AL0.126	89.205.00	K- 012	F.006.AL0.602	89.127.01	K- 005
9.000.453.067	89.354.01	K- 003	F.000.AL0.128	89.320.00	K- 006	F.010.AL0.103	89.205.00	K- 012
9.000.453.068	89.350.00	K- 002	F.000.AL0.128	89.325.00	K- 006	DELCO REMY		
9.000.453.068	89.354.01	K- 002	F.000.AL0.128	89.327.00	K- 006	10455307	89.350.03	L- 001
9.000.453.068	89.354.01	K- 003	F.000.AL0.132	89.327.00	K- 006	10465025	89.350.03	L- 001
9.000.453.074	89.125.00	K- 004	F.000.AL0.133	89.327.00	K- 006	10478890	89.700.01	L- 006
9.000.453.074	89.127.01	K- 005	F.000.AL0.135	89.327.00	K- 006	10478890	89.707.01	L- 007
9.000.453.075	89.125.00	K- 004	F.000.AL0.136	89.325.00	K- 006	10478998	89.700.02	L- 008
9.000.453.075	89.137.00	K- 005	F.000.AL0.137	89.327.00	K- 006	10478998	89.705.02	L- 009
9.000.453.076	89.125.00	K- 004	F.000.AL0.138	89.325.00	K- 006	10479009	89.700.02	L- 008
9.000.453.076	89.127.01	K- 005	F.000.AL0.139	89.320.00	K- 006	10479009	89.705.02	L- 009
9.000.453.077	89.137.00	K- 005	F.000.AL0.139	89.325.00	K- 006	10479010	89.700.02	L- 008
9.000.453.079	89.124.00	K- 004	F.000.AL0.139	89.327.00	K- 006	10479010	89.705.02	L- 009
9.000.453.079	89.125.00	K- 004	F.000.AL0.300	89.150.01	K- 015	10479178	89.704.02	L- 009
9.000.453.079	89.137.00	K- 005	F.000.AL0.300	89.155.00	K- 015	10479178	89.705.02	L- 009
9.000.453.080	89.124.00	K- 004	F.000.AL0.300	89.157.01	K- 016	10479187	89.707.01	L- 007
9.000.453.080	89.125.00	K- 004	F.000.AL0.301	89.155.00	K- 015	10479196	89.700.01	L- 006
9.000.453.080	89.127.03	K- 005	F.000.AL0.302	89.155.00	K- 015	10479196	89.704.01	L- 006
9.000.453.080	89.127.04	K- 006	F.000.AL0.304	89.150.00	K- 015	10479196	89.705.01	L- 007
9.000.453.082	89.124.00	K- 004	F.000.AL0.304	89.155.00	K- 015	10479196	89.707.02	L- 007
9.000.453.082	89.125.00	K- 004	F.000.AL0.304	89.157.00	K- 015	10479260	89.704.02	L- 009
9.000.453.082	89.127.01	K- 005	F.000.AL0.305	89.155.00	K- 015	10479260	89.705.02	L- 009



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DELCO REMY			DELCO REMY			DELCO REMY		
10479260	89.707.03	L- 009	1107274	89.350.03	L- 001	1990483	89.704.02	L- 009
10479302	89.700.01	L- 006	1107286	89.350.03	L- 001	1990483	89.705.02	L- 009
10479302	89.704.01	L- 006	1107312	89.350.03	L- 001	1990483	89.707.03	L- 009
10479302	89.705.01	L- 007	1107315	89.350.03	L- 001	1993795	89.704.02	L- 009
10479302	89.707.02	L- 007	1107369	89.350.03	L- 001	1993795	89.705.02	L- 009
10479605	89.800.00	L- 001	1107497	89.350.03	L- 001	1993795	89.707.03	L- 009
10479605	89.804.00	L- 001	1107664	89.350.03	L- 001	1993796	89.704.02	L- 009
10479605	89.804.01	L- 002	1107688	89.350.03	L- 001	1993796	89.705.02	L- 009
10479605	89.805.02	L- 003	1107696	89.350.03	L- 001	1993874	89.700.01	L- 006
10479605	89.807.01	L- 003	1107712	89.350.03	L- 001	1993874	89.704.01	L- 006
10479623	89.800.00	L- 001	1107754	89.350.03	L- 001	1993874	89.705.01	L- 007
10479623	89.804.01	L- 002	1107889	89.350.03	L- 001	1993874	89.707.01	L- 007
10479623	89.805.00	L- 002	1107891	89.350.03	L- 001	1993910	89.700.01	L- 006
10479623	89.807.01	L- 003	1108332	89.350.03	L- 001	1993910	89.704.01	L- 006
10479626	89.800.01	L- 001	1108355	89.350.03	L- 001	1993910	89.705.01	L- 007
10479629	89.804.00	L- 001	1108360	89.350.03	L- 001	1993910	89.707.02	L- 007
10479629	89.804.01	L- 002	1108368	89.350.03	L- 001	1993914	89.705.01	L- 007
10479629	89.805.02	L- 003	1108372	89.350.03	L- 001	1993914	89.707.02	L- 007
10479629	89.807.01	L- 003	1108385	89.350.03	L- 001	1993963	89.707.01	L- 007
10479632	89.807.00	L- 003	1108481	89.350.03	L- 001	1993964	89.707.01	L- 007
10479634	89.800.00	L- 001	1108486	89.350.03	L- 001	1993969	89.700.01	L- 006
10479634	89.804.00	L- 001	1108489	89.350.03	L- 001	1993969	89.704.01	L- 006
10479634	89.804.01	L- 002	1108784	89.350.03	L- 001	1993969	89.707.01	L- 007
10479643	89.800.00	L- 001	1108787	89.350.03	L- 001	1998224	89.350.03	L- 001
10479643	89.804.00	L- 001	1108793	89.350.03	L- 001	1998245	89.350.03	L- 001
10479643	89.804.01	L- 002	1109078	89.350.03	L- 001	1998256	89.350.03	L- 001
10479643	89.805.02	L- 003	1109099	89.350.03	L- 001	1998275	89.350.03	L- 001
10479643	89.807.00	L- 003	1109447	89.350.03	L- 001	1998444	89.350.03	L- 001
10479644	89.804.00	L- 001	1109582	89.350.03	L- 001	1998473	89.350.03	L- 001
10479644	89.804.01	L- 002	1113276	89.800.00	L- 001	1998563	89.350.03	L- 001
10479644	89.805.02	L- 003	1113276	89.804.00	L- 001	1998592	89.350.03	L- 001
10479644	89.807.00	L- 003	1113276	89.804.01	L- 002	1998598	89.350.03	L- 001
10479650	89.800.01	L- 001	1113276	89.805.02	L- 003	8200003	89.907.00	L- 006
10479650	89.804.00	L- 001	1113276	89.807.00	L- 003	8200004	89.907.01	L- 006
10479650	89.804.02	L- 002	1113277	89.800.00	L- 001	8200005	89.380.00	L- 007
10479650	89.805.01	L- 002	1113277	89.804.00	L- 001	8200005	89.385.00	L- 008
10479651	89.800.00	L- 001	1113277	89.804.01	L- 002	8200005	89.387.00	L- 008
10479651	89.804.00	L- 001	1113277	89.805.02	L- 003	8200015	89.705.02	L- 009
10479651	89.804.01	L- 002	1113277	89.807.01	L- 003	8200015	89.707.03	L- 009
10479651	89.805.00	L- 002	1113291	89.800.00	L- 001	8200025	89.380.00	L- 007
10479651	89.807.00	L- 003	1113291	89.804.01	L- 002	8200025	89.385.00	L- 008
10479652	89.800.00	L- 001	1113291	89.805.02	L- 003	8200025	89.387.00	L- 008
10479652	89.804.00	L- 001	1113291	89.807.01	L- 003	8200042	89.387.01	L- 008
10479652	89.804.01	L- 002	12303394	89.350.03	L- 001	8200053	89.380.00	L- 007
10479652	89.805.00	L- 002	12304738	89.350.03	L- 001	8200053	89.385.00	L- 008
10479652	89.807.01	L- 003	1876553	89.350.03	L- 001	8200053	89.387.01	L- 008
10479654	89.800.00	L- 001	19136158	89.350.03	L- 001	8200054	89.907.01	L- 006
10479654	89.804.00	L- 001	1938508	89.350.03	L- 001	8200064	89.907.01	L- 006
10479654	89.804.01	L- 002	1939508	89.350.03	L- 001	8200072	89.380.00	L- 007
10479654	89.805.02	L- 003	1977091	89.350.03	L- 001	8200072	89.385.00	L- 008
10479654	89.807.01	L- 003	1990379	89.700.02	L- 008	8200072	89.387.01	L- 008
10479655	89.800.00	L- 001	1990379	89.704.02	L- 009	8200077	89.385.00	L- 008
10479655	89.804.00	L- 001	1990379	89.705.02	L- 009	8200077	89.387.00	L- 008
10479655	89.804.01	L- 002	1990379	89.707.03	L- 009	8200078	89.385.00	L- 008
10479655	89.805.02	L- 003	1990413	89.704.02	L- 009	8200078	89.387.01	L- 008
10479655	89.807.01	L- 003	1990413	89.705.02	L- 009	8200138	89.900.04	L- 004
10496876	89.350.03	L- 001	1990420	89.704.02	L- 009	8200138	89.905.02	L- 005
10496877	89.350.03	L- 001	1990420	89.705.02	L- 009	8200138	89.907.01	L- 006
1107233	89.350.03	L- 001	1990420	89.707.03	L- 009	8200196	89.907.00	L- 006
1107273	89.350.03	L- 001	1990483	89.700.02	L- 008	8200231	89.907.01	L- 006



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DELCO REMY			MITSUBISHI			PRESTOLITE		
8200242	89.385.00	L- 008	M9T80472	89.867.00	M- 004	35259180	89.845.02	O- 002
8200292	89.907.01	L- 006	M9T82171	89.860.01	M- 003	35259180	89.847.00	O- 002
8200295	89.900.00	L- 003	M9T82171	89.865.01	M- 004	35259180	89.847.01	O- 003
8200295	89.905.00	L- 005	M9T82171	89.867.00	M- 004	35259210	89.845.02	O- 002
8200295	89.907.00	L- 006	PRESTOLITE			35259210	89.847.00	O- 002
8200296	89.900.03	L- 004	35258490	89.847.00	O- 002	35259210	89.847.01	O- 003
8200296	89.905.00	L- 005	35258490	89.847.01	O- 003	35259260	89.817.00	O- 004
8200296	89.907.01	L- 006	35258540	89.845.02	O- 002	35259260	89.817.01	O- 004
8200297	89.900.04	L- 004	35258540	89.847.00	O- 002	35259300	89.845.00	O- 002
8200297	89.905.02	L- 005	35258540	89.847.01	O- 003	35259300	89.847.00	O- 002
8200297	89.907.01	L- 006	35258580	89.847.00	O- 002	35259300	89.847.01	O- 003
8200326	89.900.01	L- 004	35258580	89.847.01	O- 003	35259310	89.845.02	O- 002
8200326	89.905.01	L- 005	35258620	89.845.00	O- 002	35259310	89.847.00	O- 002
8200326	89.907.00	L- 006	35258620	89.847.00	O- 002	35259310	89.847.01	O- 003
8200331	89.900.02	L- 004	35258620	89.847.01	O- 003	35259330	89.847.00	O- 002
8200331	89.905.01	L- 005	35258660	89.847.00	O- 002	35259330	89.847.01	O- 003
8200331	89.907.00	L- 006	35258660	89.847.01	O- 003	35259390	89.840.01	O- 001
8200356	89.380.00	L- 007	35258690	89.845.00	O- 002	35259390	89.845.01	O- 002
8200356	89.385.00	L- 008	35258690	89.847.00	O- 002	35259390	89.847.00	O- 002
8200356	89.387.00	L- 008	35258690	89.847.01	O- 003	35259390	89.847.01	O- 003
8200357	89.900.01	L- 004	35258710	89.845.02	O- 002	35259400	89.845.00	O- 002
8200357	89.905.01	L- 005	35258710	89.847.00	O- 002	35259400	89.847.00	O- 002
8200357	89.907.01	L- 006	35258710	89.847.01	O- 003	35259400	89.847.01	O- 003
8200386	89.907.01	L- 006	35258880	89.847.00	O- 002	35259430	89.840.02	O- 001
8200400	89.907.00	L- 006	35258880	89.847.01	O- 003	35259430	89.845.01	O- 002
8200474	89.900.05	L- 005	35258910	89.847.00	O- 002	35259430	89.847.00	O- 002
8200474	89.905.01	L- 005	35258910	89.847.01	O- 003	35259430	89.847.01	O- 003
8200474	89.907.01	L- 006	35258940	89.845.01	O- 002	35259450	89.810.01	O- 003
8200478	89.900.02	L- 004	35258940	89.847.00	O- 002	35259450	89.815.00	O- 003
8200478	89.905.01	L- 005	35258940	89.847.01	O- 003	35259450	89.817.00	O- 004
8200478	89.907.00	L- 006	35258950	89.845.00	O- 002	35259450	89.817.01	O- 004
8200486	89.380.00	L- 007	35258950	89.847.00	O- 002	35259520	89.817.00	O- 004
8200486	89.385.00	L- 008	35258950	89.847.01	O- 003	35259520	89.817.01	O- 004
8200486	89.387.01	L- 008	35258960	89.845.02	O- 002	35259550	89.815.00	O- 003
8200495	89.907.00	L- 006	35258960	89.847.00	O- 002	35259580	89.847.00	O- 002
8200511	89.900.00	L- 003	35258960	89.847.01	O- 003	35259580	89.847.01	O- 003
8200511	89.905.00	L- 005	35258970	89.845.02	O- 002	35259590	89.845.00	O- 002
8200511	89.907.00	L- 006	35258970	89.847.00	O- 002	35259600	89.840.01	O- 001
8200512	89.900.03	L- 004	35258970	89.847.01	O- 003	35259600	89.845.01	O- 002
8200512	89.905.00	L- 005	35258980	89.845.02	O- 002	35259600	89.847.00	O- 002
8200512	89.907.01	L- 006	35258980	89.847.00	O- 002	35259600	89.847.01	O- 003
FIAT			35258980	89.847.01	O- 003	35259620	89.840.01	O- 001
46521786	89.150.01	K- 015	35259030	89.845.02	O- 002	35259620	89.847.00	O- 002
LANCIA			35259030	89.847.00	O- 002	35259620	89.847.01	O- 003
46521786	89.150.01	K- 015	35259030	89.847.01	O- 003	35259630	89.845.00	O- 002
MITSUBISHI			35259040	89.847.00	O- 002	35259630	89.845.01	O- 002
M9T61171	89.890.00	M- 001	35259040	89.847.01	O- 003	35259630	89.847.00	O- 002
M9T61171	89.895.00	M- 002	35259050	89.845.00	O- 002	35259630	89.847.01	O- 003
M9T61171	89.897.00	M- 003	35259050	89.847.00	O- 002	35259640	89.840.00	O- 001
M9T61671	89.890.01	M- 001	35259050	89.847.01	O- 003	35259640	89.845.00	O- 002
M9T61671	89.895.01	M- 002	35259130	89.845.01	O- 002	35259640	89.847.00	O- 002
M9T61671	89.897.01	M- 003	35259130	89.847.00	O- 002	35259640	89.847.01	O- 003
M9T62572ZA	89.890.02	M- 001	35259130	89.847.01	O- 003	35259650	89.845.00	O- 002
M9T62572ZA	89.895.02	M- 002	35259140	89.845.02	O- 002	35259650	89.847.00	O- 002
M9T62572ZA	89.897.01	M- 003	35259140	89.847.00	O- 002	35259650	89.847.01	O- 003
M9T62671	89.890.03	M- 001	35259140	89.847.01	O- 003	35259660	89.845.02	O- 002
M9T62671	89.895.03	M- 002	35259150	89.845.02	O- 002	35259660	89.847.00	O- 002
M9T62671	89.897.01	M- 003	35259150	89.847.00	O- 002	35259660	89.847.01	O- 003
M9T80472	89.860.00	M- 003	35259150	89.847.01	O- 003	35259670	89.840.01	O- 001
M9T80472	89.865.00	M- 004	35259170	89.845.00	O- 002	35259670	89.845.01	O- 002



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PRESTOLITE			PRESTOLITE			ZM		
35259670	89.847.00	O- 002	35261155	89.847.01	O- 003	80.102.03	89.125.00	K- 004
35259670	89.847.01	O- 003	35261160	89.815.00	O- 003	80.102.03	89.127.00	K- 005
35259680	89.847.00	O- 002	35261175	89.845.02	O- 002	80.102.03	89.127.01	K- 005
35259680	89.847.01	O- 003	35261175	89.847.00	O- 002	80.102.04	89.120.02	K- 003
35259690	89.840.01	O- 001	35261175	89.847.01	O- 003	80.102.04	89.124.00	K- 004
35259690	89.845.01	O- 002	35261355	89.840.02	O- 001	80.102.04	89.125.00	K- 004
35259690	89.847.00	O- 002	35261355	89.845.01	O- 002	80.102.04	89.127.00	K- 005
35259690	89.847.01	O- 003	35261360	89.840.02	O- 001	80.102.04	89.127.01	K- 005
35259710	89.845.00	O- 002	35261360	89.845.01	O- 002	80.102.05	89.120.01	K- 003
35259710	89.847.00	O- 002	35261425	89.840.02	O- 001	80.102.05	89.124.00	K- 004
35259710	89.847.01	O- 003	35261425	89.845.01	O- 002	80.102.05	89.125.00	K- 004
35259720	89.845.00	O- 002	35261760	89.845.02	O- 002	80.102.05	89.127.00	K- 005
35259720	89.847.00	O- 002	35262190	89.810.00	O- 003	80.102.05	89.127.01	K- 005
35259720	89.847.01	O- 003	35262570	89.840.03	O- 001	80.102.06	89.124.01	K- 004
35259730	89.810.01	O- 003	VALEO			80.102.06	89.125.00	K- 004
35259730	89.817.00	O- 004	36100-42350	89.210.00	P- 001	80.102.06	89.127.00	K- 005
35259730	89.817.01	O- 004	36100-42350	89.215.00	P- 001	80.102.06	89.127.01	K- 005
35259750	89.840.02	O- 001	36100-42350	89.217.00	P- 001	80.102.07	89.120.02	K- 003
35259750	89.845.01	O- 002	WAPSA			80.102.07	89.124.00	K- 004
35259760	89.840.02	O- 001	MP-B-27	89.510.06	Q- 002	80.102.07	89.125.00	K- 004
35259760	89.845.01	O- 002	MPB-11	89.510.05	Q- 001	80.102.07	89.127.00	K- 005
35259810	89.810.01	O- 003	MPB-17	89.510.02	Q- 001	80.102.07	89.127.01	K- 005
35259828	89.847.00	O- 002	MPB-18	89.510.02	Q- 001	80.102.17	89.124.00	K- 004
35259828	89.847.01	O- 003	MPB-23	89.510.00	Q- 001	80.102.17	89.125.00	K- 004
35259870	89.840.00	O- 001	MPB-33	89.510.01	Q- 001	80.102.17	89.127.00	K- 005
35259870	89.845.00	O- 002	MPB-50	89.510.11	Q- 002	80.102.17	89.127.01	K- 005
35259870	89.847.00	O- 002	MPB-63	89.510.00	Q- 001	80.102.18	89.124.00	K- 004
35259870	89.810.01	O- 003	MPB-70	89.510.11	Q- 002	80.102.18	89.127.00	K- 005
35259870	89.847.01	O- 003	ZM			80.102.18	89.127.01	K- 005
35259880	89.845.00	O- 002	80.101.01	89.110.01	K- 001	80.103.01	89.120.00	K- 003
35259880	89.847.00	O- 002	80.101.01	89.117.00	K- 001	80.103.01	89.124.00	K- 004
35259880	89.847.01	O- 003	80.101.01	89.115.00	K- 002	80.103.01	89.125.00	K- 004
35259900	89.845.02	O- 002	80.101.01	89.117.01	K- 002	80.103.01	89.127.00	K- 005
35260828	89.845.00	O- 002	80.101.02	89.110.00	K- 001	80.103.01	89.137.00	K- 005
35260870	89.810.01	O- 003	80.101.02	89.117.00	K- 001	80.103.02	89.120.01	K- 003
35260870	89.815.00	O- 003	80.101.02	89.115.00	K- 002	80.103.02	89.124.00	K- 004
35260870	89.817.00	O- 004	80.101.02	89.117.01	K- 002	80.103.02	89.125.00	K- 004
35260870	89.817.01	O- 004	80.101.03	89.110.03	K- 001	80.103.02	89.127.00	K- 005
35260940	89.847.00	O- 002	80.101.03	89.117.00	K- 001	80.103.02	89.137.00	K- 005
35260940	89.847.01	O- 003	80.101.03	89.115.00	K- 002	80.103.03	89.120.02	K- 003
35260950	89.847.00	O- 002	80.101.03	89.117.01	K- 002	80.103.03	89.124.00	K- 004
35260950	89.847.01	O- 003	80.101.04	89.117.00	K- 001	80.103.03	89.125.00	K- 004
35261000	89.845.00	O- 002	80.101.04	89.115.00	K- 002	80.103.03	89.127.00	K- 005
35261020	89.845.02	O- 002	80.101.04	89.117.01	K- 002	80.103.03	89.137.00	K- 005
35261020	89.847.00	O- 002	80.101.05	89.110.00	K- 001	80.103.04	89.120.00	K- 003
35261020	89.847.01	O- 003	80.101.05	89.117.00	K- 001	80.103.04	89.124.00	K- 004
35261070	89.845.00	O- 002	80.101.05	89.115.00	K- 002	80.103.04	89.125.00	K- 004
35261070	89.847.00	O- 002	80.101.05	89.117.01	K- 002	80.103.04	89.127.00	K- 005
35261070	89.847.01	O- 003	80.102.01	89.120.00	K- 003	80.103.04	89.137.00	K- 005
35261120	89.840.01	O- 001	80.102.01	89.124.00	K- 004	80.103.05	89.120.01	K- 003
35261120	89.845.01	O- 002	80.102.01	89.125.00	K- 004	80.103.05	89.124.00	K- 004
35261120	89.847.00	O- 002	80.102.01	89.127.00	K- 005	80.103.05	89.125.00	K- 004
35261120	89.847.01	O- 003	80.102.01	89.127.01	K- 005	80.103.05	89.127.00	K- 005
35261135	89.810.00	O- 003	80.102.018	89.125.00	K- 004	80.103.05	89.137.00	K- 005
35261135	89.815.00	O- 003	80.102.02	89.120.01	K- 003	80.103.06	89.120.02	K- 003
35261135	89.817.00	O- 004	80.102.02	89.124.00	K- 004	80.103.06	89.124.00	K- 004
35261135	89.817.01	O- 004	80.102.02	89.125.00	K- 004	80.103.06	89.125.00	K- 004
35261155	89.840.01	O- 001	80.102.02	89.127.00	K- 005	80.103.06	89.127.00	K- 005
35261155	89.845.01	O- 002	80.102.02	89.127.01	K- 005	80.103.06	89.137.00	K- 005
35261155	89.847.00	O- 002	80.102.03	89.124.00	K- 004	80.103.07	89.124.01	K- 004



M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page
ZM			ZM			ZM		
80.103.07	89.125.00	K- 004	80.130.06	89.300.00	K- 007	80.280.11	89.807.00	L- 003
80.103.07	89.127.00	K- 005	80.130.06	89.305.00	K- 007	80.280.12	89.804.00	L- 001
80.103.07	89.137.00	K- 005	80.130.06	89.307.00	K- 008	80.280.12	89.804.01	L- 002
80.106.01	89.160.00	K- 008	80.130.07	89.305.00	K- 007	80.280.12	89.805.02	L- 003
80.106.01	89.165.00	K- 010	80.130.07	89.307.00	K- 008	80.280.12	89.807.00	L- 003
80.106.01	89.167.00	K- 010	80.132.01	89.320.00	K- 006	80.280.13	89.800.00	L- 001
80.106.01	89.167.02	K- 011	80.132.01	89.325.00	K- 006	80.280.13	89.804.00	L- 001
80.106.02	89.160.04	K- 009	80.132.01	89.327.00	K- 006	80.280.13	89.804.01	L- 002
80.106.02	89.165.00	K- 010	80.135.02	89.350.00	K- 002	80.280.13	89.807.00	L- 003
80.106.02	89.167.00	K- 010	80.135.02	89.354.01	K- 002	80.290.01	89.900.00	L- 003
80.106.03	89.160.04	K- 009	80.135.02	89.354.01	K- 003	80.290.01	89.905.00	L- 005
80.106.03	89.165.00	K- 010	80.201.04	89.210.00	P- 001	80.290.01	89.907.00	L- 006
80.106.03	89.167.03	K- 011	80.201.04	89.215.00	P- 001	80.290.02	89.900.01	L- 004
80.106.03	89.167.04	K- 011	80.201.04	89.217.00	P- 001	80.290.02	89.905.01	L- 005
80.106.04	89.165.00	K- 010	80.280.01	89.800.00	L- 001	80.290.02	89.907.00	L- 006
80.106.04	89.167.03	K- 011	80.280.01	89.804.00	L- 001	80.290.03	89.900.02	L- 004
80.106.04	89.167.04	K- 011	80.280.01	89.804.01	L- 002	80.290.03	89.905.01	L- 005
80.106.05	89.160.01	K- 008	80.280.01	89.805.02	L- 003	80.290.03	89.907.00	L- 006
80.106.05	89.165.00	K- 010	80.280.01	89.807.00	L- 003	80.291.01	89.900.03	L- 004
80.106.05	89.167.00	K- 010	80.280.02	89.800.00	L- 001	80.291.01	89.905.00	L- 005
80.106.05	89.167.01	K- 010	80.280.02	89.804.00	L- 001	80.291.01	89.907.01	L- 006
80.106.05	89.167.01	K- 011	80.280.02	89.804.01	L- 002	80.291.02	89.900.04	L- 004
80.106.06	89.160.02	K- 009	80.280.02	89.805.02	L- 003	80.291.02	89.905.02	L- 005
80.106.06	89.165.00	K- 010	80.280.02	89.807.01	L- 003	80.291.02	89.907.01	L- 006
80.106.06	89.167.00	K- 010	80.280.03	89.800.00	L- 001	80.291.03	89.900.01	L- 004
80.106.06	89.167.01	K- 010	80.280.03	89.804.00	L- 001	80.291.03	89.905.01	L- 005
80.106.06	89.167.01	K- 011	80.280.03	89.804.01	L- 002	80.291.03	89.907.01	L- 006
80.106.07	89.160.00	K- 008	80.280.03	89.805.02	L- 003	80.291.04	89.900.05	L- 005
80.106.07	89.165.00	K- 010	80.280.03	89.807.01	L- 003	80.291.04	89.905.01	L- 005
80.106.07	89.167.00	K- 010	80.280.04	89.800.01	L- 001	80.291.04	89.907.01	L- 006
80.106.07	89.167.02	K- 011	80.280.04	89.804.00	L- 001	80.380.01	89.380.00	L- 007
80.106.08	89.160.03	K- 009	80.280.04	89.804.02	L- 002	80.380.01	89.385.00	L- 008
80.106.08	89.165.00	K- 010	80.280.04	89.805.01	L- 002	80.380.01	89.387.01	L- 008
80.106.08	89.167.00	K- 010	80.280.04	89.807.01	L- 003	80.380.02	89.380.00	L- 007
80.106.08	89.167.01	K- 010	80.280.05	89.800.00	L- 001	80.380.02	89.385.00	L- 008
80.106.08	89.167.01	K- 011	80.280.05	89.804.00	L- 001	80.380.02	89.387.01	L- 008
80.106.21	89.160.06	K- 010	80.280.05	89.804.01	L- 002	80.380.03	89.380.00	L- 007
80.106.21	89.165.00	K- 010	80.280.05	89.805.00	L- 002	80.380.03	89.385.00	L- 008
80.106.21	89.167.03	K- 011	80.280.05	89.807.00	L- 003	80.380.03	89.387.00	L- 008
80.106.21	89.167.04	K- 011	80.280.06	89.800.00	L- 001	80.450.01	89.700.01	L- 006
80.110.01	89.100.00	K- 013	80.280.06	89.804.00	L- 001	80.450.01	89.704.01	L- 006
80.110.01	89.105.00	K- 014	80.280.06	89.804.01	L- 002	80.450.01	89.705.01	L- 007
80.110.01	89.107.00	K- 014	80.280.06	89.805.00	L- 002	80.450.01	89.707.01	L- 007
80.110.02	89.100.01	K- 013	80.280.06	89.807.01	L- 003	80.450.02	89.700.01	L- 006
80.110.02	89.105.01	K- 014	80.280.07	89.800.00	L- 001	80.450.02	89.704.01	L- 006
80.110.02	89.107.01	K- 014	80.280.07	89.804.00	L- 001	80.450.02	89.705.01	L- 007
80.115.01	89.150.00	K- 015	80.280.07	89.804.01	L- 002	80.450.02	89.707.02	L- 007
80.115.01	89.155.00	K- 015	80.280.07	89.805.02	L- 003	80.456.01	89.700.02	L- 008
80.115.01	89.157.00	K- 015	80.280.07	89.807.00	L- 003	80.456.01	89.704.02	L- 009
80.115.02	89.150.01	K- 015	80.280.08	89.800.00	L- 001	80.456.01	89.705.02	L- 009
80.115.02	89.157.01	K- 016	80.280.08	89.804.00	L- 001	80.456.01	89.707.03	L- 009
80.120.01	89.200.00	K- 012	80.280.08	89.804.01	L- 002	80.480.01	89.840.00	O- 001
80.120.01	89.205.00	K- 012	80.280.08	89.805.02	L- 003	80.480.01	89.845.00	O- 002
80.120.01	89.207.00	K- 012	80.280.08	89.807.01	L- 003	80.480.01	89.847.00	O- 002
80.125.01	89.250.00	K- 012	80.280.09	89.807.00	L- 003	80.480.01	89.847.01	O- 003
80.125.01	89.255.00	K- 013	80.280.10	89.800.00	L- 001	80.480.02	89.840.02	O- 001
80.125.01	89.257.00	K- 013	80.280.10	89.807.01	L- 003	80.480.02	89.845.01	O- 002
80.130.05	89.300.01	K- 007	80.280.11	89.804.00	L- 001	80.480.02	89.847.00	O- 002
80.130.05	89.305.01	K- 007	80.280.11	89.804.01	L- 002	80.480.02	89.847.01	O- 003
80.130.05	89.307.01	K- 008	80.280.11	89.805.02	L- 003	80.480.03	89.840.00	O- 001

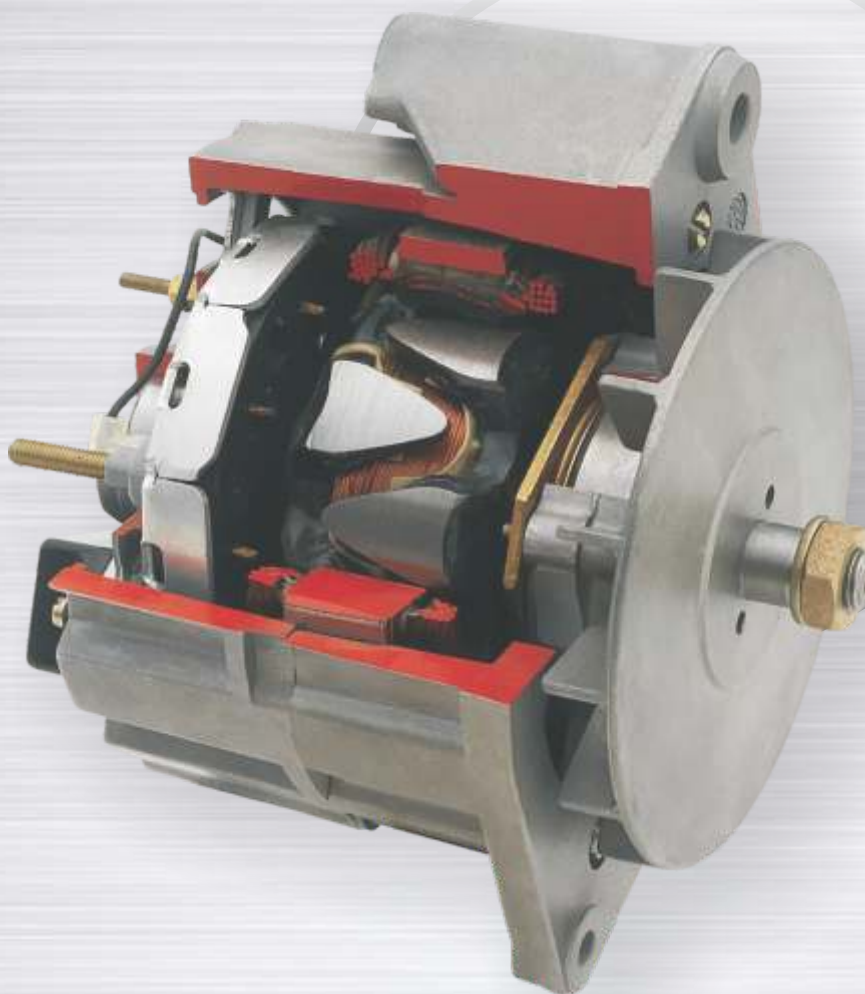


M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page	M. PARTIDA STARTER	Nº ZM ZM Nr.	Pag. Page
ZM			ZM					
80.480.03	89.845.00	O- 002	80.890.04	89.895.03	M- 002			
80.480.03	89.847.00	O- 002	80.890.04	89.897.01	M- 003			
80.480.03	89.847.01	O- 003						
80.480.04	89.840.01	O- 001						
80.480.04	89.845.01	O- 002						
80.480.04	89.847.00	O- 002						
80.480.04	89.847.01	O- 003						
80.480.05	89.845.01	O- 002						
80.480.05	89.847.00	O- 002						
80.480.05	89.847.01	O- 003						
80.480.06	89.840.03	O- 001						
80.480.06	89.845.02	O- 002						
80.480.06	89.847.00	O- 002						
80.480.06	89.847.01	O- 003						
80.480.07	89.840.01	O- 001						
80.480.07	89.845.01	O- 002						
80.480.08	89.840.01	O- 001						
80.480.08	89.845.01	O- 002						
80.480.09	89.840.02	O- 001						
80.480.09	89.845.01	O- 002						
80.480.10	89.840.02	O- 001						
80.480.10	89.845.01	O- 002						
80.480.11	89.840.02	O- 001						
80.480.11	89.845.01	O- 002						
80.481.01	89.810.00	O- 003						
80.481.01	89.815.00	O- 003						
80.481.01	89.817.00	O- 004						
80.481.01	89.817.01	O- 004						
80.481.02	89.810.01	O- 003						
80.481.02	89.817.00	O- 004						
80.481.02	89.817.01	O- 004						
80.481.03	89.810.01	O- 003						
80.481.03	89.817.00	O- 004						
80.481.03	89.817.01	O- 004						
80.705.01	89.500.00	N- 001						
80.705.01	89.505.00	N- 001						
80.705.01	89.507.00	N- 002						
80.705.02	89.500.01	N- 001						
80.705.02	89.505.01	N- 002						
80.705.02	89.507.00	N- 002						
80.705.03	89.500.02	N- 001						
80.705.03	89.505.02	N- 002						
80.705.03	89.507.01	N- 002						
80.840.01	89.860.00	M- 003						
80.840.01	89.865.00	M- 004						
80.840.01	89.867.00	M- 004						
80.840.02	89.860.01	M- 003						
80.840.02	89.865.01	M- 004						
80.840.02	89.867.00	M- 004						
80.840.05	89.840.02	O- 001						
80.890.01	89.890.00	M- 001						
80.890.01	89.895.00	M- 002						
80.890.01	89.897.00	M- 003						
80.890.02	89.890.01	M- 001						
80.890.02	89.895.01	M- 002						
80.890.02	89.897.01	M- 003						
80.890.03	89.890.02	M- 001						
80.890.03	89.895.02	M- 002						
80.890.03	89.897.01	M- 003						
80.890.04	89.890.03	M- 001						



ANOTAÇÕES
NOTES

NOTES



ALTERNADORES

ALTERNATORS



BARRA DE INFORMAÇÃO INFORMATION BAR
INFORMATION BAR / BARRA DE INFORMACIÓN

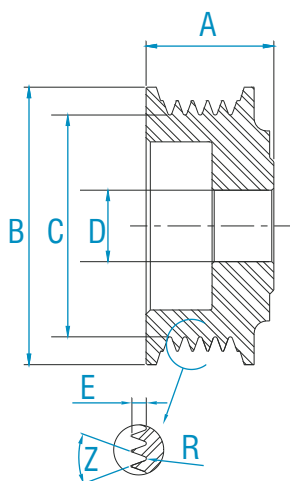
ZM 90.101.01	14V	(R)	70A	K1
ZM 90.101.01	14V	(R)	70A	K1
Código ZM ZM code / Código ZM	Voltagem Voltage / Voltaje	Rotação Rotation / Rotación	Amperagem Amperage / Amperaje	Modelo Model / Modelo

(L)Esquerda / Left / Izquierda

(R)Direita / Right / Derecha

DIMENSÕES PRINCIPAIS DA POLIA

PULLEY MAIN DIMENSIONS /
PRINCIPALES DIMENSIONES DE LA POLEA



Groove (G): Número de Estrias / Number of grooves / Número de Estrias

CONEXÕES DE TERMINAL

TERMINAL CONNECTIONS /
CONEXIONES DEL TERMINAL

B +: Terminal positivo da bateria

B -: Terminal negativo da bateria

D +: Assistente Terminal

W: Terminal conta RPM

B +: Battery Positive Output

B -: Battery Negative Output

D +: Auxiliary Output

W: Tacho Output

B +: Borne Positivo de la Batería

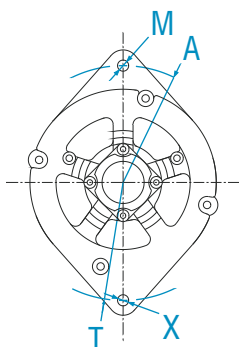
B -: Borne Negativo de la Batería

D +: Terminal Auxiliar

W: Terminal del Cuenta RPM

PRINCIPAIS DIMENSÕES DA TAMPA DIANTEIRA

HOUSING MAIN DIMENSIONS /
PRINCIPALES DIMENSIONES DE LA TAPA DELANTERA

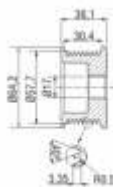




Pulley

Terminal Connections

Housing



B+: M6X50
D+: M4X50
W: M5X45



Groove (G): 8

ZM 90.101.09

14v

14V (R) 90A K1

APLICAÇÃO / USED ON:

VOLKSWAGEN: 12-140 T, 12-170 BT, 12-180, 13-150, 13-170, 13-180, 13-190, 14-150, 14-170 BT, 14-180, 14-220, 15-170, 15-180, 15-190, 16-200, 16-210, 16-220, 17-210, 17-220, 17-300, 17-310, 26-220, 26-260, 7-100, 7-120, 8-100, 8-140, 9-150.

SUBSTITUI / REPLACE:

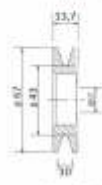
BOSCH: 9.120.080.184.



Pulley

Terminal Connections

Housing



B+: M6X50
D+: Fast on
Terminal (8,3mm)



Groove (G): 1

ZM 90.101.13

14v

14V (R) 65A K1

APLICAÇÃO / USED ON:

GM-CHEVROLET: Ipanema, Kadett, Monza.

SUBSTITUI / REPLACE:

BOSCH: 9.129.080.169. GM-CHEVROLET: 52257015, 90037386, 94627488.



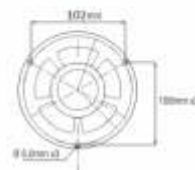
Pulley

Terminal Connections

Housing

Rotor Shaft
Ø: 15mm

B+: M6x 20
D+: Fast on



ZM 90.101.14

14v

14V (R) 51A K1

APLICAÇÃO / USED ON:

VOLKSWAGEN: Fusca, Kombi, Transporter.

SUBSTITUI / REPLACE:

BOSCH: 9.120.080.061.



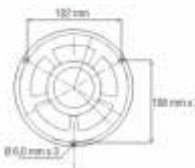
Pulley

Terminal Connections

Housing



B+: M6x 20
D+: Fast on



Groove (G): 1

ZM 90.101.15

14v

14V (R) 51A K1

APLICAÇÃO / USED ON:

VOLKSWAGEN: Fusca, Kombi, Transporter.

SUBSTITUI / REPLACE:

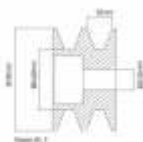
BOSCH: 9.120.080.061.



Pulley

Terminal Connections

Housing



S+ M6x17
D+ M6x18
W M6x18



ZM 90.102.06

28v

28V (R) 21A K1

APLICAÇÃO / USED ON:

CATERPILLAR: 100 Series, 3300 Series, 900 Series, D Series, N Series. KOMATSU: D Serie.

SUBSTITUI / REPLACE:

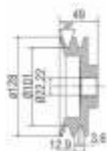
BOSCH: 9.120.080.128.



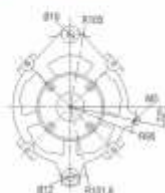
Pulley

Terminal Connections

Housing



B+ M8x20
B- M8x20
D+ M5x13
W M6x15



ZM 90.103.01

28v

28V (R) 75A HD-1

APLICAÇÃO / USED ON:

EL DETALLE: OA Series. MERCEDES-BENZ: OF 1620, OF 1721, OH 1621 LG, OH 1623 LG.

SUBSTITUI / REPLACE:

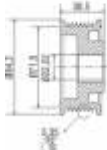
BOSCH: 0.124.325.119, 9.120.456.040, 9.121.456.130, 9.121.456.161. MERCEDES-BENZ: 376.150.80.50.



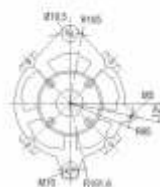
Pulley

Terminal Connections

Housing



B+ M8x20
B- M8x20
D+ M5x13
W M6x15



ZM 90.103.02

28v

28V (R) 75A HD-1

APLICAÇÃO / USED ON:

FORD: B 1618, B 1621, Cargo 1618.

SUBSTITUI / REPLACE:

BOSCH: 9.120.456.039, 9.129.456.039. FORD: TAR 903.015 A. VOLKSWAGEN: TAR 903.015 A.



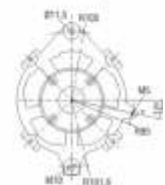
Pulley

Terminal Connections

Housing



B+ M8x20
B- M8x20
D+ M5x13
W M6x15



ZM 90.103.03

28v

28V (R) 75A HD-1

APLICAÇÃO / USED ON:

VOLVO: B10M.

SUBSTITUI / REPLACE:

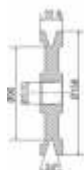
BOSCH: 9.120.456.011.



Pulley

Terminal Connections

Housing



Groove (G): 1

B+: M8x20
B-: M8x20
D+: M5x13
W: M6x15



ZM 90.103.04

28v

28V (R) 75A HD-1

APLICAÇÃO / USED ON:

MERCEDES-BENZ: O 371, OH 1315.

SUBSTITUI / REPLACE:

BOSCH: 9.120.456.031, 9.129.456.031.



Pulley

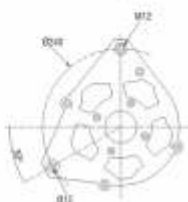
Terminal Connections

Housing



Groove (G): 2

B+: M8x20
B-: M8x20
D+: M5x13
W: M6x15



ZM 90.104.01

28v

28V (R) 105A T1

APLICAÇÃO / USED ON:

SCANIA: 112 Series, 113 Series.

SUBSTITUI / REPLACE:

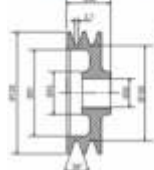
BOSCH: 9.120.456.003, 9.129.456.003.



Pulley

Terminal Connections

Housing



Groove (G): 2

B+: M8x20
B-: M8x20
D+: M5x13
W: M6x15



ZM 90.104.02

28v

28V (R) 140A T1

APLICAÇÃO / USED ON:

MERCEDES-BENZ: O 400RS, O 400RSD, O 400RSL.

SUBSTITUI / REPLACE:

BOSCH: 9.120.456.048.



Pulley

Terminal Connections

Housing

Rotor Shell
Ø: 30 mm

B+: M8x20
B-: M8x20
D+: M5x13
W: M6x15



ZM 90.104.03

28v

28V (R) 140A T1

APLICAÇÃO / USED ON:

MERCEDES-BENZ: O 400UP, O 400UPA.

SUBSTITUI / REPLACE:

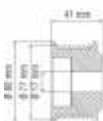
BOSCH: 9.120.456.044.



Pulley

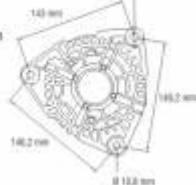
Terminal Connections

Housing



Ground (G): 9

B+: M8x 15
Regulator: Fast on



ZM 90.106.01

28v

28V 80A NCB1

APLICAÇÃO / USED ON:

EL DETALLE: OA Series. MERCEDES-BENZ: LS 1938, LS 2638, Ônibus.

SUBSTITUI / REPLACE:

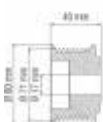
BOSCH: 0.124.555.001, 0.124.555.015, 0.124.555.032, 0.986.042.360. MERCEDES-BENZ: 0 111 548 602, 0 131 542 802, 0 131 547 802, 4 571 540 602.



Pulley

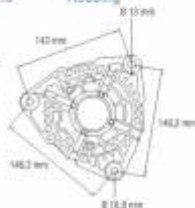
Terminal Connections

Housing



Ground (G): 8

B+: M8x 15
Regulator: Fast on



ZM 90.106.02

28v

28V 80A NCB1

APLICAÇÃO / USED ON:

EL DETALLE: OA Series. MERCEDES-BENZ: 1215, 1618, 712C, 914, L 1218, L 1418, L 1622, O 500M, O 500U, OF 1417, OF 1620, OF 1721, OH 1420, OH 1621L.

SUBSTITUI / REPLACE:

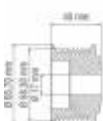
BOSCH: 0.124.555.002. FIAT ALLIS: 75261183. MERCEDES-BENZ: 0 121 541 002, 0 131 544 002.



Pulley

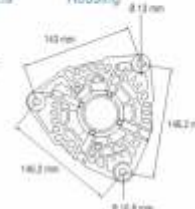
Terminal Connections

Housing



Ground (G): 8

B+: M8x 15
Regulator: Fast on



ZM 90.106.03

28v

28V 80A NCB1

APLICAÇÃO / USED ON:

VOLKSWAGEN: 16-210.

SUBSTITUI / REPLACE:

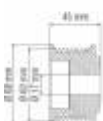
BOSCH: 0.124.555.007. IVECO: 503120569. MWM: 905710100056. VOLKSWAGEN: 2Z0903015.



Pulley

Terminal Connections

Housing



Ground (G): 8

B+: M8x 15
Regulator: Fast on



ZM 90.106.04

28v

28V 80A NCB1

APLICAÇÃO / USED ON:

VOLVO: B10M, B12B, FH12, FM, NH12.

SUBSTITUI / REPLACE:

BOSCH: 0.124.555.009. RENAULT: 7420409228. VOLVO: 20409228, 20849349, 3803639.



ZM 90.106.05

28v

28V 80A NCB1

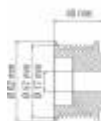
APLICAÇÃO / USED ON:

MERCEDES-BENZ: Atego, Ônibus.

SUBSTITUI / REPLACE:

BOSCH: 0.124.555.016.

Pulley

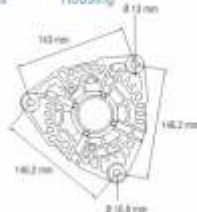


Groove (G): 8

Terminal Connections

B+: M8x15
Regulator: Fast on

Housing



ZM 90.106.06

28v

28V 80A NCB1

APLICAÇÃO / USED ON:

MERCEDES-BENZ: 1318, 1618, 1728, 2423, 2428, 712C, 914C, 915, Accelo, Atego, Axor, L 1620, O 500M, O 500R, O 500U, OF 1417, OF 1418, OF 1722, OH 1418.

SUBSTITUI / REPLACE:

BOSCH: 0.124.555.044.

Pulley

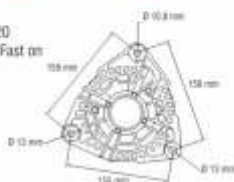


Groove (G): 8

Terminal Connections

B+: M8x20
Regulator: Fast on

Housing



ZM 90.106.07

28v

28V 80A NCB1

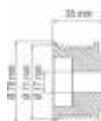
APLICAÇÃO / USED ON:

SCANIA: F113 HL, P114.

SUBSTITUI / REPLACE:

BOSCH: 0.124.555.034.

Pulley



Groove (G): 8

Terminal Connections

B+: M8x20
Regulator: Fast on

Housing



ZM 90.106.08

28v

28V 80A NCB1

APLICAÇÃO / USED ON:

SCANIA: F113 HL, F94, K124, P114, P94, R114, R124, T114, T124.

SUBSTITUI / REPLACE:

BOSCH: 0.124.555.008.

Pulley

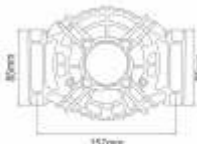


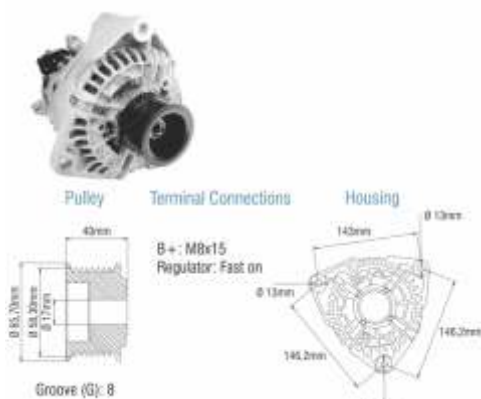
Groove (G): 8

Terminal Connections

B+: M8x17
Regulator: Fast on

Housing





ZM 90.106.09

28v

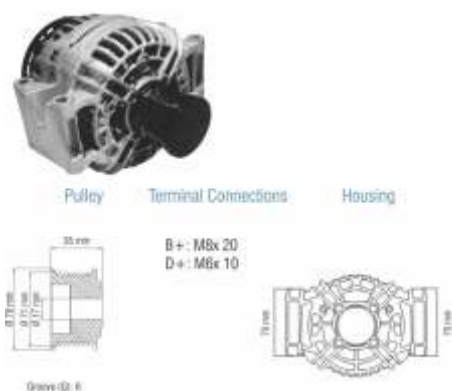
28V 80A NCB1

APLICAÇÃO / USED ON:

VOLKSWAGEN: 13-180 Constellation, 15-180 Constellation, 15-190, 17-230, 19-370 Constellation, 25-370 Constellation, 26-260 Constellation, 31-260 Constellation, 31-370 Constellation, 8-150.

SUBSTITUI / REPLACE:

BOSCH: 0.124.555.042.



ZM 90.202.01

14v

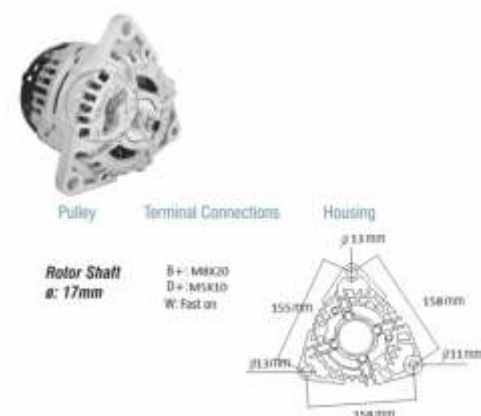
14V 120A NCB1

APLICAÇÃO / USED ON:

MERCEDES-BENZ: Sprinter.

SUBSTITUI / REPLACE:

BOSCH: 0.124.515.114.



ZM 90.108.01

14v

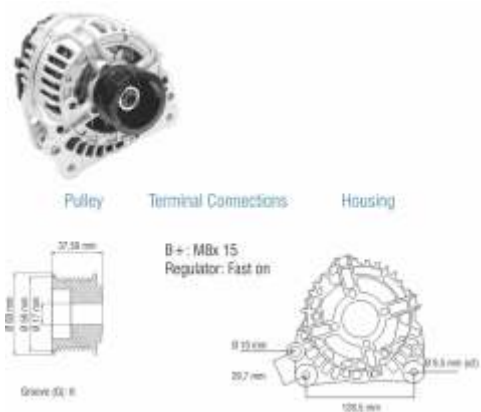
14V 90A KCB1

APLICAÇÃO / USED ON:

AGRALE: 4500 D, 5000 D, 6150, 7000 TDX. AGRAL-DEUTZ: 6150 TD, BX 100 TD, BX 4.100 TD, MA 7.5 T. FIATALLIS: FB 80. GM-CHEVROLET: C series, S10. MWM: D Series. MÜLLER: RT 62 H, RT 82 H, TM 12, TM 14, VAP 55. PUMA: 7900, 914. VALMET: 1180. VOLKSWAGEN: 13-150, 13-180, 13-190, 15-180, 15-190, 17-210, 17-220, 17-310, 23-210, 23-220, 26-220, 26-260, 26-310, 7-110, 7-120, 8-120, 8-150, 9-150.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.118.



ZM 90.108.02

14v

14V 90A KCB1

APLICAÇÃO / USED ON:

AUDI: A3, S3, TT Coupe. VOLKSWAGEN: Beetle, Bora, Golf, Polo. VW SEAT: Cordoba, Ibiza.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.003.

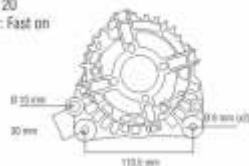


Pulley Terminal Connections Housing



Groove (G): 8

B+: M8x20
Regulator: Fast on



ZM 90.108.03

14v

14V 70A KCB1

APLICAÇÃO / USED ON:

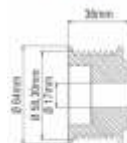
AUDI: A3, Quattro. VOLKSWAGEN: Beetle, Golf, Polo. VW SEAT: Cordoba, Ibiza.

SUBSTITUI / REPLACE:

BOSCH: 0.124.315.003.



Pulley Terminal Connections Housing



Groove (G): 8

B+: M8x20
D+: M5x12
W: Fast on



ZM 90.108.04

14v

14V 90A KCB1

APLICAÇÃO / USED ON:

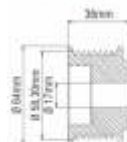
FORD: Cargo C 1317, Cargo C 1517, Cargo C 1521, Cargo C 1717, Cargo C 1721, Cargo C 1722, Cargo C 1731, Cargo C 2422, Cargo C 2622, Cargo C 2626, Cargo C 2631, Cargo C 2831, Cargo C 3222, Cargo C 4031, Cargo C 4031 Max Ton, Cargo C 4331, Cargo C 4331S Max Ton, Cargo C 5031, Cargo C 712, Cargo C 815, Cargo C 915.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.109.



Pulley Terminal Connections Housing



Groove (G): 8

B+: M8x18
W: Fast on
Regulator: Fast on



ZM 90.108.05

14v

14V 90A KCB1

APLICAÇÃO / USED ON:

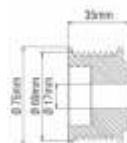
VOLKSWAGEN: 13-180, 13-190, 15-180, 15-190, 15-210 Militar, 17-210, 17-220, 17-310, 23-210, 23-310, 26-220, 26-260, 26-310, 31-260, 31-310, Worker 17-220, Worker 24-220, Worker 26-220.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.107.



Pulley Terminal Connections Housing



Groove (G): 8

B+: M8x20
W: Fast on
Regulator: Fast on



ZM 90.108.06

14v

14V 90A KCB1

APLICAÇÃO / USED ON:

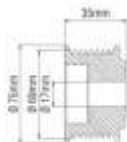
FORD: F 12000, F 14000, F 16000, F 250, F 350, F 4000.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.064.



Pulley



Groove (G): 8

Terminal Connections

B+: M8x17
D+: M5x12

Housing



ZM 90.108.07

14v

14V 90A

KCB1

APLICAÇÃO / USED ON:

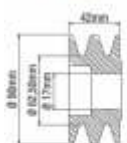
FORD: Cargo C 816, F 250.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.211.



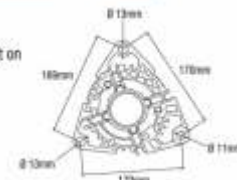
Pulley



Terminal Connections

B+: M8x16
W: Fast on
Regulator: Fast on

Housing



ZM 90.108.09

14v

14V 90A

KCB1

APLICAÇÃO / USED ON:

MERCEDES-BENZ: 1214 C, 710, 712E, L 1114, LO 610, LO 812.

SUBSTITUI / REPLACE:

BOSCH: 0.124.325.098.



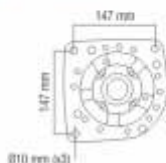
Pulley

Terminal Connections

Housing

Rotor Shaft
ø: 17mm

B+: M8x25
S: M5x20
D+: M4x15
W: M5x20



ZM 90.102.04

28v

28V (R) 65A

N1

APLICAÇÃO / USED ON:

SCANIA: F94, L94, P114, P94, PR114, R114, R124/360, R124/400, R124/420, R144/460, R144/530, R164/480, R164/580, Série DS, Série DSC, Série DSI, T114, T124/360, T124/400, T124/420, T144/460, T144/530.

SUBSTITUI / REPLACE:

BOSCH: 0.120.468.131, 0.129.468.131. SCANIA: 1336136, 1394969, 1749769.



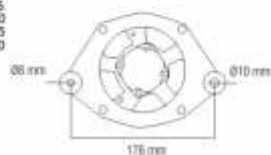
Pulley

Terminal Connections

Housing

Rotor Shaft
ø: 17mm

B+: M8x25
S: M5x20
D+: M4x15
W: M5x20



ZM 90.102.05

28v

28V (R) 55A

N1

APLICAÇÃO / USED ON:

VOLVO: B 12B, B12, NL10, NL12.

SUBSTITUI / REPLACE:

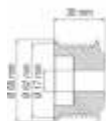
BOSCH: 0.120.469.014, 0.129.469.014. VOLVO: 1089861.



Pulley

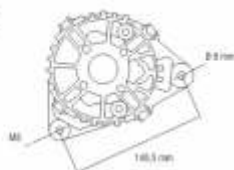
Terminal Connections

Housing



Gravure (G): 6

B+: M6x13
D+: M5x10
W: M5x13



Pulley

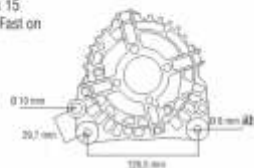
Terminal Connections

Housing



Gravure (G): 6

B+: M8x15
Regular: Fast on



Pulley

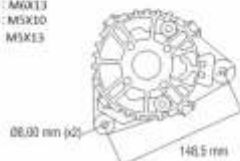
Terminal Connections

Housing



Gravure (G): 6

B+: M6x13
D+: M5x10
W: M5x13



ZM 90.109.01

14v

14V 70A KC

APLICAÇÃO / USED ON:

FORD: Courier, Fiesta, Ka.

SUBSTITUI / REPLACE:

BOSCH: 0.123.310.023, 0.123.310.054.

ZM 90.109.02

14v

14V 70A KC

APLICAÇÃO / USED ON:

VOLKSWAGEN: Gol, Golf, Parati.

SUBSTITUI / REPLACE:

BOSCH: 0.123.310.019. VOLKSWAGEN: 028903025H.

ZM 90.109.03

14v

14V 70A KC

APLICAÇÃO / USED ON:

FORD: Escort.

SUBSTITUI / REPLACE:

BOSCH: 0.123.310.053. FORD: 95AB10300DC.



ZM 90.201.01

14v

14V 80A MT

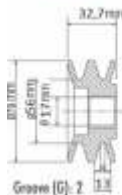
APLICAÇÃO / USED ON:
MITSUBISHI: L 200.

SUBSTITUI / REPLACE:
MITSUBISHI: A2TN1798AT, MD366052.

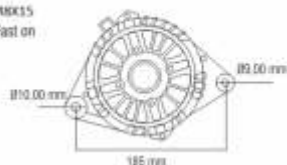
Pulley

Terminal Connections

Housing



B+: M8X15
Regulator: Fast on

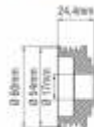




Pulley

Terminal Connections

Housing



B+: M6x 30
D+: M5x 20



Groove (G): 4

ZM 90.204.01

14v

14V (R) 75A

APLICAÇÃO / USED ON:

FIAT: Doblò, Fiorino, Palio, Uno.

SUBSTITUI / REPLACE:

BOSCH: 51832735. DENSO: 51759994, 51876423.



14V (R) 55A

ASIA MOTORS: Rocsta Sportage. KIA MOTORS: Besta, Besta 2.2L.

ASIA MOTORS: K74018300. KIA: 0K74018300A. POONGSUNG: 021218021, 021218024.



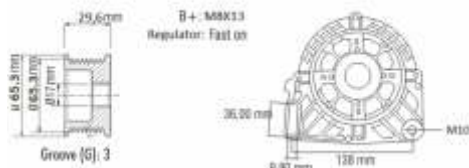
14V (R) 55A

KIA MOTORS: Besta, Besta 2.7L.

ASIA MOTORS: K71F18300. KIA: 0K71F18300.



Pulley Terminal Connections Housing



ZM 90.203.01

14v

14V (R) 75A

APLICAÇÃO / USED ON:

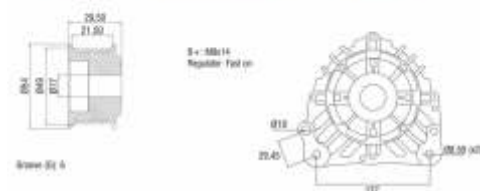
PEUGEOT: 206. RENAULT: Clio, Kangoo.

SUBSTITUI / REPLACE:

VALEO: SG7S012.



Pulley Terminal Connections Housing



ZM 90.203.02

14v

14V (R) 90A

APLICAÇÃO / USED ON:

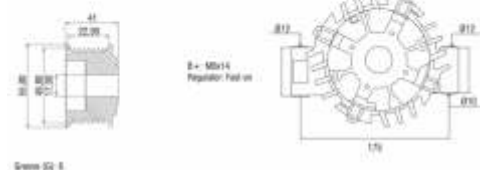
AUDI: A3, A4, S3, TT Coupe.

SUBSTITUI / REPLACE:

VALEO: 439445 SG9B024.



Pulley Terminal Connections Housing



ZM 90.203.03

14v

14V (R) 90A

APLICAÇÃO / USED ON:

FORD: Ecosport, Fiesta, Ka.

SUBSTITUI / REPLACE:

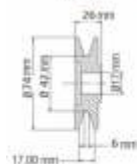
VALEO: 439466 SG9B056.



Pulley

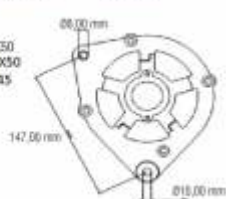
Terminal Connections

Housing



Groove (G): 1

B+: M6x50
D+: M4x50
W: M4x45



ZM 90.101.26

14v

14V (R) 75A K1

APLICAÇÃO / USED ON:

GREEN HORSE: Tratores Green Horse- 354; GH 454.

SUBSTITUI / REPLACE:

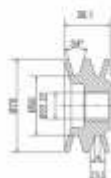
ZM: 91.101.06.



Pulley

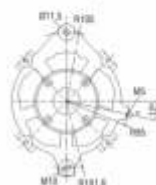
Terminal Connections

Housing



Groove (G): 2

B+: M8x20
S: M8x20
D+: M5x13
W: M6x15



ZM 90.105.01

14v

14V (R) 80A HD-1

APLICAÇÃO / USED ON:

RECRUSUL: Equipamentos de Refrigeração.

SUBSTITUI / REPLACE:



ALTERNADOR ALTERNATOR	Nº ZM ZM Nr.	Pag. Page	ALTERNADOR ALTERNATOR	Nº ZM ZM Nr.	Pag. Page	ALTERNADOR ALTERNATOR	Nº ZM ZM Nr.	Pag. Page	ALTERNADOR ALTERNATOR	Nº ZM ZM Nr.	Pag. Page
AGRALE			BOSCH			MERCEDES-BENZ					
9.057.101.000.26	90.101.07	A- 002	9.120.456.040	90.103.01	A- 006	376.150.80.50	90.103.01	A- 006			
ASIA MOTORS			9.120.456.044	90.104.03	A- 007	376.154.71.01	90.102.03	A- 005			
K71F18300	90.110.02	D- 001	9.120.456.048	90.104.02	A- 007	376.154.72.01	90.101.03	A- 001			
K74018300	90.110.01	D- 001	9.121.080.056	90.101.06	A- 002	4 571 540 602	90.106.01	A- 008			
BOSCH			9.121.456.130	90.103.01	A- 006	mitsubishi					
0.120.468.131	90.102.04	A- 012	9.121.456.161	90.103.01	A- 006	A2TN1798AT	90.201.01	B- 001			
0.120.469.014	90.102.05	A- 012	9.129.080.056	90.101.06	A- 002	MD366052	90.201.01	B- 001			
0.120.488.158	90.101.27	A- 004	9.129.080.062	90.102.02	A- 005	MWM					
0.120.488.191	90.101.27	A- 004	9.129.080.074	90.102.02	A- 005	905710100056	90.106.03	A- 008			
0.123.310.019	90.109.02	A- 013	9.129.080.109	90.102.02	A- 005	POONGSUNG					
0.123.310.023	90.109.01	A- 013	9.129.080.113	90.101.02	A- 001	021218021	90.110.01	D- 001			
0.123.310.053	90.109.03	A- 013	9.129.080.113	90.101.08	A- 002	021218024	90.110.01	D- 001			
0.123.310.054	90.109.01	A- 013	9.129.080.120	90.101.06	A- 002	RENAULT					
0.124.315.003	90.108.03	A- 011	9.129.080.124	90.102.02	A- 005	7420409228	90.106.04	A- 008			
0.124.325.003	90.108.02	A- 010	9.129.080.131	90.101.02	A- 001	SCANIA					
0.124.325.064	90.108.06	A- 011	9.129.080.131	90.101.08	A- 002	1336136	90.102.04	A- 012			
0.124.325.098	90.108.09	A- 012	9.129.080.144	90.102.02	A- 005	1394969	90.102.04	A- 012			
0.124.325.107	90.108.05	A- 011	9.129.080.154	90.101.07	A- 002	1749769	90.102.04	A- 012			
0.124.325.109	90.108.04	A- 011	9.129.080.158	90.101.02	A- 001	525343	90.102.02	A- 005			
0.124.325.118	90.108.01	A- 010	9.129.080.158	90.101.08	A- 002	TOYOTA					
0.124.325.119	90.103.01	A- 006	9.129.080.169	90.101.13	A- 003	27301.576BO	90.102.03	A- 005			
0.124.325.211	90.108.07	A- 012	9.129.080.172	90.101.01	A- 001	VALEO					
0.124.515.114	90.202.01	A- 010	9.129.080.182	90.101.02	A- 001	439445 SG9B024	90.203.02	E- 001			
0.124.555.001	90.106.01	A- 008	9.129.080.182	90.101.08	A- 002	439466 SG9B056	90.203.03	E- 001			
0.124.555.002	90.106.02	A- 008	9.129.456.003	90.104.01	A- 007	SG7S012	90.203.01	E- 001			
0.124.555.007	90.106.03	A- 008	9.129.456.031	90.103.04	A- 007	VOLKSWAGEN					
0.124.555.008	90.106.08	A- 009	9.129.456.039	90.103.02	A- 006	028903025H	90.109.02	A- 013			
0.124.555.009	90.106.04	A- 008	F.000.LD0.106	90.101.30	A- 005	2Z0903015	90.106.03	A- 008			
0.124.555.015	90.106.01	A- 008	CUMMINS			TAR 903.015 A	90.103.02	A- 006			
0.124.555.016	90.106.05	A- 009	3.353.588	90.102.02	A- 005	TJG 903.01 A	90.101.04	A- 001			
0.124.555.032	90.106.01	A- 008	DENSO			VOLVO					
0.124.555.034	90.106.07	A- 009	51759994	90.204.01	C- 001	1089861	90.102.05	A- 012			
0.124.555.042	90.106.09	A- 010	51876423	90.204.01	C- 001	1100127	90.102.01	A- 005			
0.124.555.044	90.106.06	A- 009	FIAT			12709020	90.102.03	A- 005			
0.129.468.131	90.102.04	A- 012	752.04.057	90.102.02	A- 005	20409228	90.106.04	A- 008			
0.129.469.014	90.102.05	A- 012	75204476	90.101.03	A- 001	20849349	90.106.04	A- 008			
0.986.042.360	90.106.01	A- 008	75206972	90.102.03	A- 005	3803639	90.106.04	A- 008			
51832735	90.204.01	C- 001	7541775	90.101.06	A- 002	6886493	90.102.01	A- 005			
9.120.080.061	90.101.05	A- 002	FIAT ALLIS			ZM					
9.120.080.061	90.101.14	A- 003	75261183	90.106.02	A- 008	91.101.01	90.101.21	F- 001			
9.120.080.061	90.101.15	A- 003	FORD			91.101.02	90.101.22	F- 001			
9.120.080.061	90.101.16	A- 004	95AB10300DC	90.109.03	A- 013	91.101.03	90.101.23	F- 001			
9.120.080.088	90.102.01	A- 005	TAR 903.015 A	90.103.02	A- 006	91.101.05	90.101.25	F- 001			
9.120.080.089	90.101.06	A- 002	GM			91.101.06	90.101.26	F- 002			
9.120.080.102	90.101.03	A- 001	52256671	90.101.01	A- 001						
9.120.080.104	90.102.03	A- 005	GM-CHEVROLET								
9.120.080.114	90.102.01	A- 005	52257015	90.101.13	A- 003						
9.120.080.120	90.101.06	A- 002	90037386	90.101.13	A- 003						
9.120.080.126	90.102.03	A- 005	94627488	90.101.13	A- 003						
9.120.080.128	90.102.06	A- 006	IVECO								
9.120.080.129	90.102.02	A- 005	503120569	90.106.03	A- 008						
9.120.080.130	90.101.29	A- 004	KIA								
9.120.080.142	90.101.01	A- 001	0K71F18300	90.110.02	D- 001						
9.120.080.144	90.102.02	A- 005	OK74018300A	90.110.01	D- 001						
9.120.080.154	90.101.07	A- 002	KOMATSU								
9.120.080.159	90.101.28	A- 004	1440-1B-5850	90.102.02	A- 005						
9.120.080.168	90.101.01	A- 001	MAXION								
9.120.080.172	90.101.01	A- 001	3315639 M 92	90.101.02	A- 001						
9.120.080.181	90.102.03	A- 005	33156639M92	90.101.08	A- 002						
9.120.080.182	90.101.02	A- 001	MERCEDES-BENZ								
9.120.080.182	90.101.08	A- 002	0 111 548 602	90.106.01	A- 008						
9.120.080.183	90.101.03	A- 001	0 121 541 002	90.106.02	A- 008						
9.120.080.184	90.101.04	A- 001	0 131 542 802	90.106.01	A- 008						
9.120.080.184	90.101.09	A- 003	0 131 544 002	90.106.02	A- 008						
9.120.456.003	90.104.01	A- 007	0 131 547 802	90.106.01	A- 008						
9.120.456.011	90.103.03	A- 006	3 441 548 301	90.101.08	A- 002						
9.120.456.031	90.103.04	A- 007	344.154.8301	90.101.02	A- 001						
9.120.456.039	90.103.02	A- 006	376.150.78.50	90.101.03	A- 001						



TABELA DE APLICAÇÃO

APPLICATION CHART

AGRALE		de /from	até /until	M.Part/Starter	ZM	Pag.
1800 D		-	-	BOSCH	90.101.07	A- 002
4500 D	com motor D 229-3	-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
5000 D	com motor D 229-4	-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.07	A- 002
6150	com motor TD 229-6	-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
7000 D		-	-	BOSCH	90.101.07	A- 002
7000 DX		-	-	BOSCH	90.101.07	A- 002
7000 TDX	com motor 4.10 T	-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
7500		-	-	BOSCH	90.101.07	A- 002
8500		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.08	A- 002
BX	130	-	-	BOSCH	90.101.07	A- 002
	4.100	-	-	BOSCH	90.101.07	A- 002
	4.100 A	-	-	BOSCH	90.101.07	A- 002
	4.130	-	-	BOSCH	90.101.07	A- 002
	4.150	-	-	BOSCH	90.101.07	A- 002
	4.60	-	-	BOSCH	90.101.07	A- 002
	4.90	-	-	BOSCH	90.101.07	A- 002
	60	-	-	BOSCH	90.101.07	A- 002
	90	-	-	BOSCH	90.101.07	A- 002
AGRALE-DEUTZ		de /from	até /until	M.Part/Starter	ZM	Pag.
6150 TD	229-6	-	-	BOSCH	90.108.01	A- 010
BX 100 TD	229 EC-4	-	-	BOSCH	90.108.01	A- 010
BX 4.100 TD	229 EC-4	-	-	BOSCH	90.108.01	A- 010
MA 7.5 T	4.10 TCA	-	-	BOSCH	90.108.01	A- 010
ASIA MOTORS		de /from	até /until	M.Part/Starter	ZM	Pag.
Rocsta Sportage	com motor 2.2 D	07/1993	12/1998	POONGSUNG	90.110.01	D- 001
	com motor 2.2 D 4x4	06/1993	-	POONGSUNG	90.110.01	D- 001
ATLAS COPCO		de /from	até /until	M.Part/Starter	ZM	Pag.
AX 430		-	-	BOSCH	90.102.02	A- 005
AUDI		de /from	até /until	M.Part/Starter	ZM	Pag.
A3	1.6	09/1996	06/2001	BOSCH	90.108.03	A- 011
		-	-	VALEO	90.203.02	E- 001
	1.6 com motor AKL	05/1999	-	BOSCH	90.108.02	A- 010
	1.8	09/1996	06/2001	BOSCH	90.108.03	A- 011
		-	-	VALEO	90.203.02	E- 001
	1.8 T com motor AQA	-	-	BOSCH	90.108.02	A- 010
	1.8 com motor APG	-	-	BOSCH	90.108.02	A- 010
	1.8T	09/1996	06/2001	BOSCH	90.108.03	A- 011
		-	-	VALEO	90.203.02	E- 001
A4	1.8	-	-	VALEO	90.203.02	E- 001
Quattro		08/1998	08/2000	BOSCH	90.108.03	A- 011
S3		-	-	BOSCH	90.108.02	A- 010
		-	-	VALEO	90.203.02	E- 001
TT Coupe	1.8 T com motor AJQ	-	-	BOSCH	90.108.02	A- 010
		-	-	VALEO	90.203.02	E- 001
CASE		de /from	até /until	M.Part/Starter	ZM	Pag.
2470		-	-	BOSCH	90.101.08	A- 002
4490		-	-	BOSCH	90.101.08	A- 002
80	CR com motor D 229-6	-	-	BOSCH	90.101.07	A- 002
	P com motor D 229-6	-	-	BOSCH	90.101.07	A- 002
W 18		-	-	BOSCH	90.101.03	A- 001
W 18D		-	-	BOSCH	90.102.03	A- 005
W 18E		-	-	BOSCH	90.102.03	A- 005



CASE			de /from	até /until	M.Part/Starter	ZM	Pag.
W 20B			-	-	BOSCH	90.101.03	A- 001
W 20D			-	-	BOSCH	90.102.03	A- 005
W 20E			-	-	BOSCH	90.102.03	A- 005
W 36			-	-	BOSCH	90.101.02	A- 001
			-	-	BOSCH	90.101.08	A- 002
W 36 D			-	-	BOSCH	90.102.02	A- 005
W 36 E			-	-	BOSCH	90.102.02	A- 005
CATERPILLAR			de /from	até /until	M.Part/Starter	ZM	Pag.
100 Series	120B	3306NA	06/1991	-	BOSCH	90.102.06	A- 006
	120C	3306 DIT	07/1996	-	BOSCH	90.102.06	A- 006
	140B	3306T	05/1982	-	BOSCH	90.102.06	A- 006
	140C	3306DIT	05/1986	-	BOSCH	90.102.06	A- 006
3300 Series	3304	DIT	07/1985	-	BOSCH	90.102.06	A- 006
	3304	T	07/1985	-	BOSCH	90.102.06	A- 006
	3306	DIT	06/1989	-	BOSCH	90.102.06	A- 006
	3306	T	06/1985	-	BOSCH	90.102.06	A- 006
900 Series	930R	3304 DINA	07/1986	12/1990	BOSCH	90.102.06	A- 006
	930R	3304 NA	12/1981	08/1985	BOSCH	90.102.06	A- 006
	966C	3306 DIT	05/1986	-	BOSCH	90.102.06	A- 006
	966C	3306T	02/1982	12/1990	BOSCH	90.102.06	A- 006
D Series	D4E-DD	3304 DINA	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D4E-DD	3304 NA	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D4E-PS	3304 DINA	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D4E-PS	3304 NA	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D4E-SA	3304 DIT	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D4E-SA	3304 T	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D4E-SR	3304 DIT	12/1981	05/1991	BOSCH	90.102.06	A- 006
	D5B-PS	DINA	12/1987	05/1991	BOSCH	90.102.06	A- 006
	D5D-DD	3306 DINA	12/1987	05/1991	BOSCH	90.102.06	A- 006
	D6C	33206 NA	01/1981	12/1990	BOSCH	90.102.06	A- 006
	D6D-PS	3306 T	12/1981	12/1990	BOSCH	90.102.06	A- 006
	D6D-SA	3306 T	07/1983	12/1990	BOSCH	90.102.06	A- 006
	D6E-DO/PS	3306 DIT	12/1981	12/1990	BOSCH	90.102.06	A- 006
N Series	N 855		01/1998	-	BOSCH	90.102.06	A- 006
	N 855C		01/1998	-	BOSCH	90.102.06	A- 006
	NT 855		01/1998	-	BOSCH	90.102.06	A- 006
	NT 855C		01/1998	-	BOSCH	90.102.06	A- 006
	NT 855G		01/1998	-	BOSCH	90.102.06	A- 006
	NTA 855		01/1998	-	BOSCH	90.102.06	A- 006
	NTA 855C		01/1998	-	BOSCH	90.102.06	A- 006
	NTTR 855		01/1998	-	BOSCH	90.102.06	A- 006
CBT			de /from	até /until	M.Part/Starter	ZM	Pag.
1065			-	-	BOSCH	90.101.03	A- 001
1105			-	-	BOSCH	90.101.03	A- 001
2080			-	-	BOSCH	90.101.03	A- 001
2105			-	-	BOSCH	90.101.03	A- 001
8060 4x4			-	-	BOSCH	90.101.03	A- 001
8240			-	-	BOSCH	90.101.03	A- 001
8260			-	-	BOSCH	90.101.03	A- 001
EL DETALLE			de /from	até /until	M.Part/Starter	ZM	Pag.
OA Series	OA 101		-	-	BOSCH	90.103.01	A- 006
	OA 101 BF 6L-913C		05/2001	-	BOSCH	90.106.01	A- 008
			01/1999	04/2001	BOSCH	90.106.02	A- 008
FIAT			de /from	até /until	M.Part/Starter	ZM	Pag.
147			-	-	BOSCH	90.101.06	A- 002
Doblò	Cargo 1.3 MPI 16V		01/2002	01/2005	DENSO	90.204.01	C- 001
	Fire 1.3 MPI 16V		01/2002	01/2006	DENSO	90.204.01	C- 001
Elba	com motor 1.3		-	-	BOSCH	90.101.06	A- 002



FIAT		de /from	até /until	M.Part/Starter	ZM	Pag.
Elba	com motor 1.5	-	-	BOSCH	90.101.06	A- 002
Fiorino	Ambulância 1.3 MPI 8V	01/2004	01/2007	DENSO	90.204.01	C- 001
	Ambulância 1.3 MPI 8V Flex	01/2007	01/2013	DENSO	90.204.01	C- 001
	Fire 1.3 MPI 8V	01/2004	01/2007	DENSO	90.204.01	C- 001
	Furgão 1.3 MPI 8V Flex	01/2007	01/2013	DENSO	90.204.01	C- 001
Palio	Fire 1.0 MPI 16V	01/2001	01/2003	DENSO	90.204.01	C- 001
	Fire 1.0 MPI 8V	01/2001	01/2006	DENSO	90.204.01	C- 001
	Fire 1.0 MPI 8V Flex	01/2006	01/2014	DENSO	90.204.01	C- 001
	Fire 1.3 MPI 16V	01/2001	01/2003	DENSO	90.204.01	C- 001
	Fire 1.3 MPI 8V	01/2003	01/2005	DENSO	90.204.01	C- 001
	Fire 1.3 MPI 8V Flex	01/2004	01/2005	DENSO	90.204.01	C- 001
	Fire 1.4 MPI 8V Flex	01/2008	01/2009	DENSO	90.204.01	C- 001
	Siena 1.0 MPI 16V	01/2001	01/2003	DENSO	90.204.01	C- 001
	Siena 1.0 MPI 8V	01/2002	01/2006	DENSO	90.204.01	C- 001
	Siena 1.0 MPI 8V Flex	01/2006	01/2012	DENSO	90.204.01	C- 001
	Siena 1.3 MPI 8V	01/2003	01/2004	DENSO	90.204.01	C- 001
	Siena 1.3 MPI 8V Flex	01/2005	-	DENSO	90.204.01	C- 001
	Siena 1.4 MPI 8V Flex	01/2008	01/2013	DENSO	90.204.01	C- 001
	Strada 1.4 MPI 8V Flex	01/2006	01/2012	DENSO	90.204.01	C- 001
	Strada Estendida 1.3 MPI 8V	01/2003	01/2005	DENSO	90.204.01	C- 001
	Strada Estendida 1.4 MPI 8V Flex	01/2007	01/2012	DENSO	90.204.01	C- 001
	Strada Trekking 1.4 MPI 8V Flex	01/2006	01/2008	DENSO	90.204.01	C- 001
	Weekend 1.0 MPI 16V	01/2001	01/2003	DENSO	90.204.01	C- 001
	Weekend 1.3 MPI 16V	01/2001	01/2003	DENSO	90.204.01	C- 001
	Weekend 1.3 MPI 8V	01/2003	01/2004	DENSO	90.204.01	C- 001
	Weekend 1.3 MPI 8V Flex	01/2005	-	DENSO	90.204.01	C- 001
Prêmio	com motor 1.3	-	-	BOSCH	90.101.06	A- 002
	com motor 1.5	-	-	BOSCH	90.101.06	A- 002
Uno	Fire 1.0 MPI 8V	01/2004	01/2006	DENSO	90.204.01	C- 001
	Fire 1.0 MPI 8V Flex	01/2006	01/2013	DENSO	90.204.01	C- 001
	Furgoneta 1.3 MPI 8V	01/2003	01/2004	DENSO	90.204.01	C- 001
	Furgoneta 1.3 MPI 8V Flex	01/2007	01/2013	DENSO	90.204.01	C- 001
	Mille	-	-	BOSCH	90.101.06	A- 002
	com motor 1.3	-	-	BOSCH	90.101.06	A- 002
	com motor 1.5	-	-	BOSCH	90.101.06	A- 002
FIATALLIS		de /from	até /until	M.Part/Starter	ZM	Pag.
AD 14		-	-	BOSCH	90.102.02	A- 005
FB 80	com motor D 229-4	-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
FORD		de /from	até /until	M.Part/Starter	ZM	Pag.
B 1618		-	-	BOSCH	90.103.02	A- 006
B 1621		-	-	BOSCH	90.103.02	A- 006
Cargo 1618	com motor 6.10	06/1997	-	BOSCH	90.101.30	A- 005
		-	-	BOSCH	90.103.02	A- 006
Cargo C 1215	com motor 6BTAA	11/2000	-	BOSCH	90.101.30	A- 005
Cargo C 1217	com motor 6BTAA	04/1992	11/2000	BOSCH	90.101.30	A- 005
Cargo C 1317	com motor 6BTAA	01/2003	12/2006	BOSCH	90.108.04	A- 011
Cargo C 1415	com motor 6BTAA	11/2000	-	BOSCH	90.101.30	A- 005
Cargo C 1416	com motor 6BT	04/1992	11/2000	BOSCH	90.101.30	A- 005
Cargo C 1417	com motor 6BTAA	12/1999	-	BOSCH	90.101.30	A- 005
Cargo C 1421	com motor 6BTAA	09/1991	-	BOSCH	90.101.30	A- 005
Cargo C 1422	com motor Cummins 6CTAA 8.3 litros	05/1993	-	BOSCH	90.101.30	A- 005
Cargo C 1517	com motor 6BTAA	01/2003	12/2006	BOSCH	90.108.04	A- 011
Cargo C 1521	com motor 6BTAA	01/2003	01/2006	BOSCH	90.108.04	A- 011
Cargo C 1617	6C	12/1999	-	BOSCH	90.101.30	A- 005
	com motor 6BTAA	09/1991	05/1993	BOSCH	90.101.30	A- 005
Cargo C 1621	com motor 6BTAA	09/1991	-	BOSCH	90.101.30	A- 005
Cargo C 1630	6CTAA	09/1991	12/1994	BOSCH	90.101.30	A- 005



FORD		de /from	até /until	M.Part/Starter	ZM	Pag.
Cargo C 1717	com motor 6BTAA	01/2003	12/2006	BOSCH	90.108.04	A- 011
Cargo C 1721	com motor 6BTAA	06/1998	12/2006	BOSCH	90.108.04	A- 011
Cargo C 1722	com motor 6CT	01/2003	12/2005	BOSCH	90.108.04	A- 011
Cargo C 1731	com motor 6CTAA	10/2001	12/2006	BOSCH	90.108.04	A- 011
Cargo C 2322	6CTAA	09/1991	-	BOSCH	90.101.30	A- 005
Cargo C 2422	6CT	09/1991	01/2006	BOSCH	90.108.04	A- 011
	6CTAA	01/1993	05/2002	BOSCH	90.101.30	A- 005
Cargo C 2425	6CTAA	04/1992	-	BOSCH	90.101.30	A- 005
Cargo C 2622	6CT	01/2003	01/2006	BOSCH	90.108.04	A- 011
Cargo C 2626	6CTAA	05/2002	01/2006	BOSCH	90.108.04	A- 011
Cargo C 2631	6CTAA	05/2002	12/2006	BOSCH	90.108.04	A- 011
Cargo C 2831	6CTAA	05/2005	12/2006	BOSCH	90.108.04	A- 011
Cargo C 3222	6CTAA	01/2003	01/2006	BOSCH	90.108.04	A- 011
Cargo C 3530	com motor Cummins 6CTAA 8.3 litros	07/1995	-	BOSCH	90.101.30	A- 005
Cargo C 4031	6CTAA	01/2003	01/2006	BOSCH	90.108.04	A- 011
Cargo C 4031 Max Ton	6CTAA	01/2003	01/2006	BOSCH	90.108.04	A- 011
Cargo C 4331	6CTAA	04/2003	12/2006	BOSCH	90.108.04	A- 011
Cargo C 4331S Max Ton	6CTAA	10/2005	12/2006	BOSCH	90.108.04	A- 011
Cargo C 5031	6CTAA	05/2005	02/2006	BOSCH	90.108.04	A- 011
Cargo C 712	B 3.9 120 P-5	07/2007	01/2012	BOSCH	90.108.04	A- 011
Cargo C 815	com motor 4BTAA	11/2000	12/2005	BOSCH	90.108.04	A- 011
Cargo C 816	ISB 4.5	01/2012	-	BOSCH	90.108.07	A- 012
Cargo C 915	com motor Cummins 4BTA	09/2002	12/2006	BOSCH	90.108.04	A- 011
Courier	1.3i com motor Endura E	07/1997	08/1999	BOSCH	90.109.01	A- 013
Ecosport	1.6 L com motor Zetec Rocam	-	-	VALEO	90.203.03	E- 001
Escort	1.8 com motor Zetec	05/2002	-	BOSCH	90.109.03	A- 013
F 12000	6.10	12/1995	11/1998	BOSCH	90.101.30	A- 005
	6BTAA 5.9L	12/1998	12/2005	BOSCH	90.108.06	A- 011
F 14000	6BTAA 5.9L	12/1998	12/2005	BOSCH	90.108.06	A- 011
F 16000	6BTAA 5.9L	12/1998	12/2005	BOSCH	90.108.06	A- 011
F 250	4BTAA 3.9L	11/1998	03/2006	BOSCH	90.108.06	A- 011
		04/2006	02/2012	BOSCH	90.108.07	A- 012
F 350	com motor Cummins 4BTAA 3.9L	11/1998	08/2005	BOSCH	90.108.06	A- 011
F 4000	com motor 4BT	05/1996	10/1998	BOSCH	90.101.30	A- 005
	com motor Cummins 4BTAA 3.9L	11/1998	08/2005	BOSCH	90.108.06	A- 011
	com motor MWM 4.10 T	05/1996	10/1998	BOSCH	90.101.30	A- 005
Fiesta	1.0	04/1996	08/1999	BOSCH	90.109.01	A- 013
	1.3	11/1995	-	BOSCH	90.109.01	A- 013
	1.6 L com motor Zetec Rocam	-	-	VALEO	90.203.03	E- 001
Ka	1.0 L com motor Zetec Rocam	-	-	VALEO	90.203.03	E- 001
	1.3i	01/1997	08/1999	BOSCH	90.109.01	A- 013
	1.6 L com motor Zetec Rocam	-	-	VALEO	90.203.03	E- 001
		01/1997	08/1999	BOSCH	90.109.01	A- 013
GM-CHEVROLET		de /from	até /until	M.Part/Starter	ZM	Pag.
Blazer	2.2 EFI	-	-	BOSCH	90.101.01	A- 001
C series	6 C-8.3	-	-	BOSCH	90.108.01	A- 010
Ipanema	1.8	05/1989	-	BOSCH	90.101.13	A- 003
	2.0	05/1989	-	BOSCH	90.101.13	A- 003
	GS	05/1989	-	BOSCH	90.101.13	A- 003
Kadett	1.8	05/1989	-	BOSCH	90.101.13	A- 003
	2.0	05/1989	-	BOSCH	90.101.13	A- 003
	GS	05/1989	-	BOSCH	90.101.13	A- 003
Monza	1.8	01/1986	12/1990	BOSCH	90.101.13	A- 003
	2.0	01/1986	12/1990	BOSCH	90.101.13	A- 003
	2.0MPFi	01/1982	12/1990	BOSCH	90.101.13	A- 003
S10	2.2 EFI	-	-	BOSCH	90.101.01	A- 001



GM-CHEVROLET		de /from	até /until	M.Part/Starter	ZM	Pag.
S10	2.8 diesel com motor 4.07 TCA	-	-	BOSCH	90.108.01	A- 010
Vectra	com motor 2.2 16V	-	-	BOSCH	90.101.01	A- 001
GM-OPEL		de /from	até /until	M.Part/Starter	ZM	Pag.
Corsa	B 1.2i with C 12 NZ, X 12 SZ engine	09/1994	08/2000	BOSCH	90.101.27	A- 004
	B 1.4i with C 14 NZ, X 14 SZ engine	09/1994	08/2000	BOSCH	90.101.27	A- 004
GM-VAUXHALL		de /from	até /until	M.Part/Starter	ZM	Pag.
Combo	Box 1.2	09/1994	10/2001	BOSCH	90.101.27	A- 004
	Box 1.4	09/1994	10/2001	BOSCH	90.101.27	A- 004
KIA MOTORS		de /from	até /until	M.Part/Starter	ZM	Pag.
Besta	com motor 2.2	-	-	POONGSUNG	90.110.01	D- 001
	com motor 2.7	-	-	POONGSUNG	90.110.02	D- 001
Besta 2.2L		-	-	POONGSUNG	90.110.01	D- 001
Besta 2.7L		-	-	POONGSUNG	90.110.02	D- 001
KOMATSU		de /from	até /until	M.Part/Starter	ZM	Pag.
D 30 E		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.08	A- 002
D 50 A		-	-	BOSCH	90.101.03	A- 001
D Serie	D 60 E CUMMINS N855C	09/1989	-	BOSCH	90.102.06	A- 006
	D 60 F CUMMINS N855C	06/1990	-	BOSCH	90.102.06	A- 006
	D 65 E CUMMINS N855C	09/1989	-	BOSCH	90.102.06	A- 006
	D 73 E CUMMINS N855C	02/1990	-	BOSCH	90.102.06	A- 006
MASSEY FERGUSON		de /from	até /until	M.Part/Starter	ZM	Pag.
Agco		-	-	BOSCH	90.101.28	A- 004
MF 1000	com motor A.4248	01/1981	-	BOSCH	90.101.28	A- 004
MF 1630		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
MF 235	com motor 3.152 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 265	com motor D 4.203 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 265/4	com motor D 4.203 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 272	com motor 4236	02/1991	-	BOSCH	90.101.28	A- 004
MF 275	com motor 4.236 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 275/4	com motor 4.236 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 283	com motor A 4.248	01/1980	-	BOSCH	90.101.28	A- 004
MF 290	com motor 4.248 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 290/4	com motor 4.248 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 292	Turbo com motor T 4.236 A	01/1984	-	BOSCH	90.101.28	A- 004
MF 292/4	Turbo com motor T 4.236 A	01/1984	-	BOSCH	90.101.28	A- 004
MF 295/4	com motor Perkins 6.358 A	04/1976	-	BOSCH	90.101.28	A- 004
MF 296		-	-	BOSCH	90.101.03	A- 001
MF 296/4		-	-	BOSCH	90.101.03	A- 001
MF 3640		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
MF 4780		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.08	A- 002
MF 5650	Turbo	-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
MF 6845		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.08	A- 002
MF 6855		-	-	BOSCH	90.101.02	A- 001
		-	-	BOSCH	90.101.08	A- 002
MF 6865		-	-	BOSCH	90.101.02	A- 001



MAXION		de /from	até /until	M.Part/Starter	ZM	Pag.
Ideal 9070		-	-	BOSCH	90.101.02	A- 001
Ideal 9090		-	-	BOSCH	90.101.02	A- 001
MERCEDES-BENZ		de /from	até /until	M.Part/Starter	ZM	Pag.
1214		-	-	BOSCH	90.101.08	A- 002
1214 C	OM 364 LA	06/1997	12/2005	BOSCH	90.108.09	A- 012
1215	C com motor 904 LA	05/1999	-	BOSCH	90.106.02	A- 008
1318	com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
1618	com motor OM 904LA	10/1998	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.106.06	A- 009
1728	com motor OM 906 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
2423	com motor OM 906 LA	-	-	BOSCH	90.106.06	A- 009
2428	com motor OM 906 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
709		-	-	BOSCH	90.101.03	A- 001
710	OM 364 LA	07/2001	12/2005	BOSCH	90.108.09	A- 012
		-	-	BOSCH	90.101.03	A- 001
712		-	-	BOSCH	90.101.03	A- 001
712C	com motor OM 904LA	10/1998	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.106.06	A- 009
712E	OM 364 LA	01/2003	-	BOSCH	90.108.09	A- 012
912		-	-	BOSCH	90.101.03	A- 001
914	C/LO com motor OM 904 LA	10/1998	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.101.03	A- 001
914C	/ LO com motor OM 904LA	-	-	BOSCH	90.106.06	A- 009
915	com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
Accelo	OM 904 LA Euro III	-	-	BOSCH	90.106.06	A- 009
Atego	1315 com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	1418 com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	1518 com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	1718 com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	1725 com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	2425 com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	2425 com motor OM 906 eletrônico 24V	09/2004	-	BOSCH	90.106.05	A- 009
	2428 com motor OM 926 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
Axor	1933 com motor OM 926 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	2533 com motor OM 926 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	2826 com motor OM 906 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
	2831 com motor OM 926 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
L 1013		-	-	BOSCH	90.101.08	A- 002
L 1111		-	-	BOSCH	90.101.03	A- 001
L 1113		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
L 1114	com motor OM 364 LA	10/1996	10/2006	BOSCH	90.108.09	A- 012
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
L 1116		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
L 1117		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
L 1118		-	-	BOSCH	90.101.03	A- 001
L 1214		-	-	BOSCH	90.102.03	A- 005
L 1218	com motor OM 904 LA	07/2001	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.101.08	A- 002
		-	-	BOSCH	90.102.03	A- 005
L 1313		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
L 1314		-	-	BOSCH	90.101.03	A- 001
L 1316		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002



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L 1317		-	-	BOSCH	90.101.03	A- 001
L 1318		-	-	BOSCH	90.101.03	A- 001
L 1319		-	-	BOSCH	90.101.03	A- 001
L 1414		-	-	BOSCH	90.102.03	A- 005
L 1418	com motor OM 904 LA	07/2001	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.102.03	A- 005
L 1513		-	-	BOSCH	90.101.03	A- 001
L 1516		-	-	BOSCH	90.101.03	A- 001
L 1519		-	-	BOSCH	90.101.03	A- 001
L 1614		-	-	BOSCH	90.102.03	A- 005
L 1618		-	-	BOSCH	90.102.03	A- 005
L 1620	com motor OM 906 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
		-	-	BOSCH	90.101.03	A- 001
L 1622	com motor OM 924 LA	07/2001	-	BOSCH	90.106.02	A- 008
L 1630		-	-	BOSCH	90.102.03	A- 005
L 1924 A		-	-	BOSCH	90.102.03	A- 005
L 2624 A		-	-	BOSCH	90.102.03	A- 005
L 608 D		-	-	BOSCH	90.101.03	A- 001
L 708 E		-	-	BOSCH	90.101.03	A- 001
LA 1113		-	-	BOSCH	90.101.08	A- 002
LA 1117		-	-	BOSCH	90.101.08	A- 002
LA 1313		-	-	BOSCH	90.101.03	A- 001
LK 2218		-	-	BOSCH	90.101.03	A- 001
LK 2219		-	-	BOSCH	90.102.03	A- 005
LO 610	OM 364 LA	07/2001	12/2005	BOSCH	90.108.09	A- 012
LO 708 E		-	-	BOSCH	90.101.03	A- 001
LO 809		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
LO 812	com motor OM 364 LA	01/2003	12/2005	BOSCH	90.108.09	A- 012
		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
LO 814		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.08	A- 002
LPO 1113		-	-	BOSCH	90.101.08	A- 002
LS 1313		-	-	BOSCH	90.101.03	A- 001
LS 1929		-	-	BOSCH	90.102.03	A- 005
LS 1932		-	-	BOSCH	90.102.03	A- 005
LS 1933		-	-	BOSCH	90.102.03	A- 005
LS 1934		-	-	BOSCH	90.102.03	A- 005
LS 1935		-	-	BOSCH	90.102.03	A- 005
LS 1938	com motor OM 457 LA	10/1998	-	BOSCH	90.106.01	A- 008
LS 1941		-	-	BOSCH	90.102.03	A- 005
LS 2638	com motor OM 457 LA	10/1998	-	BOSCH	90.106.01	A- 008
O 355		-	-	BOSCH	90.101.08	A- 002
O 362		-	-	BOSCH	90.101.08	A- 002
O 364		-	-	BOSCH	90.101.08	A- 002
O 370		-	-	BOSCH	90.101.03	A- 001
O 370 R		-	-	BOSCH	90.102.03	A- 005
O 370 RSD		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.102.03	A- 005
O 370RS		-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.102.03	A- 005
O 371	UL com motor OM 366 LA	07/1993	-	BOSCH	90.103.04	A- 007
	UL com motor OM 366 LA Euro 1	07/1993	-	BOSCH	90.103.04	A- 007
O 371 R		-	-	BOSCH	90.102.03	A- 005
O 400RS		-	-	BOSCH	90.104.02	A- 007
O 400RSD		-	-	BOSCH	90.104.02	A- 007



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O 400RSL		-	-	BOSCH	90.104.02	A- 007
O 400UP	com motor OM 449 A	-	-	BOSCH	90.104.03	A- 007
O 400UPA	com motor OM 449 A	-	-	BOSCH	90.104.03	A- 007
O 500M	com motor OM 906 LA	05/2001	-	BOSCH	90.106.02	A- 008
	com motor OM 906 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
O 500R	com motor OM 926 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
O 500U	com motor OM 906 LA	05/2001	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.106.06	A- 009
	com motor OM 906 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
OF 1113		-	-	BOSCH	90.101.08	A- 002
OF 1114		-	-	BOSCH	90.101.08	A- 002
OF 1115		-	-	BOSCH	90.102.03	A- 005
OF 1313		-	-	BOSCH	90.101.08	A- 002
OF 1314		-	-	BOSCH	90.101.08	A- 002
OF 1315		-	-	BOSCH	90.102.03	A- 005
OF 1318		-	-	BOSCH	90.102.03	A- 005
OF 1417	com motor OM 904LA	10/1998	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.106.06	A- 009
OF 1418	com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
OF 1620	com motor OM 366 LA	10/1993	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.102.03	A- 005
		-	-	BOSCH	90.103.01	A- 006
OF 1721	com motor OM 366 LA	03/1998	-	BOSCH	90.106.02	A- 008
		-	-	BOSCH	90.103.01	A- 006
OF 1722	com motor OM 924 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
OF 812		-	-	BOSCH	90.101.08	A- 002
OH 1313		-	-	BOSCH	90.101.08	A- 002
OH 1314		-	-	BOSCH	90.101.08	A- 002
OH 1315	G M 366 G	04/1993	-	BOSCH	90.103.04	A- 007
OH 1316		-	-	BOSCH	90.101.08	A- 002
OH 1318		-	-	BOSCH	90.102.03	A- 005
OH 1418	com motor OM 904 eletrônico 24V	-	-	BOSCH	90.106.06	A- 009
OH 1419		-	-	BOSCH	90.101.08	A- 002
OH 1420	com motor OM 366LA	06/1996	-	BOSCH	90.106.02	A- 008
OH 1517		-	-	BOSCH	90.101.08	A- 002
OH 1520		-	-	BOSCH	90.102.03	A- 005
OH 1621 LG		-	-	BOSCH	90.103.01	A- 006
OH 1621L	G com motor M366 LAG	10/1997	-	BOSCH	90.106.02	A- 008
OH 1623 LG		-	-	BOSCH	90.103.01	A- 006
Sprinter	208 CDI com motor OM 611.987 DE LA	04/2000	05/2006	BOSCH	90.202.01	A- 010
	211 CDI com motor OM 611.981 DE LA	04/2000	05/2006	BOSCH	90.202.01	A- 010
	213 CDI com motor OM 611.981 DE LA	04/2000	05/2006	BOSCH	90.202.01	A- 010
	216 CDI com motor OM 612.981 DE LA	04/2000	05/2006	BOSCH	90.202.01	A- 010
	308 CDI com motor OM 611.987 DE LA	04/2000	05/2006	BOSCH	90.202.01	A- 010
	311 CDI com motor OM 611 LA	06/2001	12/2004	BOSCH	90.202.01	A- 010
	311 CDI com motor OM 611.981 DE LA	08/2002	05/2006	BOSCH	90.202.01	A- 010
	313 CDI com motor OM 611 LA	06/2001	05/2012	BOSCH	90.202.01	A- 010
	313 CDI com motor OM 611.981 DE LA	04/2000	05/2006	BOSCH	90.202.01	A- 010
	413 CDI com motor OM 611 LA	06/2001	05/2012	BOSCH	90.202.01	A- 010
	BR 600 c/ AC	-	-	BOSCH	90.202.01	A- 010
		-	-	BOSCH	90.202.01	A- 010
Ônibus	com motor série BR 450 Pesados (OM457 LA Axor - Eletrônicos)	10/1998	-	BOSCH	90.106.01	A- 008
	com motor série BR 900	01/2000	-	BOSCH	90.106.05	A- 009
MITSUBISHI		de /from	até /until	M.Part/Starter	ZM	Pag.
L 200	2.5 TD 4X4	-	-	mitsubishi	90.201.01	B- 001
MWM		de /from	até /until	M.Part/Starter	ZM	Pag.
D Series	D 225-3	-	-	BOSCH	90.108.01	A- 010
	D 225-4					



MWM		de /from	até /until	M.Part/Starter	ZM	Pag.
D Series	D 225-4	-	-	BOSCH	90.108.01	A- 010
	D 229-3	-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.03	A- 001
	D 229-4	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.108.01	A- 010
	D 229-4 STE	-	-	BOSCH	90.108.01	A- 010
	D 229-6	-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.101.08	A- 002
		-	-	BOSCH	90.108.01	A- 010
	TD 229-6	-	-	BOSCH	90.101.03	A- 001
		-	-	BOSCH	90.101.07	A- 002
-		-	BOSCH	90.108.01	A- 010	
D/TD Series	D 229-6 / TD229-6	04/1985	-	BOSCH	90.101.29	A- 004
MÜLLER		de /from	até /until	M.Part/Starter	ZM	Pag.
RT 62 H	com motor D 229-3	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
RT 82 H	com motor D 229-3	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
TM 12	com motor TD 229 EC-6	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
TM 14	com motor TD 229 EC-4	-	-	BOSCH	90.108.01	A- 010
VAP 55	com motor D 229-4	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
	com motor TD 229 EC-4	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
VIBRO RT 62	com motor D 229-3	01/1981	-	BOSCH	90.101.03	A- 001
PERKINS		de /from	até /until	M.Part/Starter	ZM	Pag.
Maxion	9110A	08/1989	-	BOSCH	90.101.28	A- 004
	9130	08/1989	-	BOSCH	90.101.28	A- 004
PEUGEOT		de /from	até /until	M.Part/Starter	ZM	Pag.
206	1.0 8V com motor D4D Sem A/C	10/2002	-	VALEO	90.203.01	E- 001
PUMA		de /from	até /until	M.Part/Starter	ZM	Pag.
7900	4.10 MWM	-	-	BOSCH	90.108.01	A- 010
	T 4.10T MWM	-	-	BOSCH	90.101.07	A- 002
		-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
914	com motor D 229-4	-	-	BOSCH	90.108.01	A- 010
		-	-	BOSCH	90.101.07	A- 002
RECRUSUL		de /from	até /until	M.Part/Starter	ZM	Pag.
Equipamentos de Refrigeração		-	-	ESPECIAIS	90.105.01	F- 002
RENAULT		de /from	até /until	M.Part/Starter	ZM	Pag.
Clio	1.0 16V com motor C1C	01/2001	-	VALEO	90.203.01	E- 001
	1.0 8V com motor C1C	01/1999	-	VALEO	90.203.01	E- 001
Kangoo	1.0 com motor C1C	01/2002	-	VALEO	90.203.01	E- 001
SCANIA		de /from	até /until	M.Part/Starter	ZM	Pag.
112 Series	F 112 HL	-	-	BOSCH	90.104.01	A- 007
113 Series	F 113 HL	-	-	BOSCH	90.104.01	A- 007
	K 113 CL	-	-	BOSCH	90.104.01	A- 007
	K 113 CL/TL	-	-	BOSCH	90.104.01	A- 007
	K 113 TL	-	-	BOSCH	90.104.01	A- 007
	L 113 CL	-	-	BOSCH	90.104.01	A- 007
	S 113 AL	-	-	BOSCH	90.104.01	A- 007
	S 113 AL/CL	-	-	BOSCH	90.104.01	A- 007
F113 HL	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009



SCANIA		de /from	até /until	M.Part/Starter	ZM	Pag.
F113 HL	com motor DS 11.75	-	-	BOSCH	90.106.07	A- 009
F94	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
		09/1997	-	BOSCH	90.102.04	A- 012
K124	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
L94		09/1997	-	BOSCH	90.102.04	A- 012
N 855		-	-	BOSCH	90.102.02	A- 005
N 855 C		-	-	BOSCH	90.102.02	A- 005
NT 855		-	-	BOSCH	90.102.02	A- 005
NT 855 A		-	-	BOSCH	90.102.02	A- 005
NT 855 C		-	-	BOSCH	90.102.02	A- 005
NTA 855		-	-	BOSCH	90.102.02	A- 005
NTA 855 C		-	-	BOSCH	90.102.02	A- 005
NTTA 855		-	-	BOSCH	90.102.02	A- 005
P114	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
		03/1998	-	BOSCH	90.102.04	A- 012
		-	-	BOSCH	90.106.07	A- 009
P94	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
		09/1997	-	BOSCH	90.102.04	A- 012
PR114		03/1998	-	BOSCH	90.102.04	A- 012
R114	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
		03/1998	-	BOSCH	90.102.04	A- 012
R124	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
R124/360	com motor DC 12.02	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DSC 12.02	09/1995	-	BOSCH	90.102.04	A- 012
R124/400	com motor DSC 12.01	09/1995	-	BOSCH	90.102.04	A- 012
R124/420	HPI com motor DC 12.03	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DC 12.01	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DSC 12.05	09/1995	-	BOSCH	90.102.04	A- 012
R144/460	com motor DSC 14.15	09/1996	08/2001	BOSCH	90.102.04	A- 012
R144/530	com motor DSC 14.13	09/1996	08/2001	BOSCH	90.102.04	A- 012
R164/480	com motor DC 16.02	04/2000	-	BOSCH	90.102.04	A- 012
R164/580	com motor DC 16.01	04/2000	-	BOSCH	90.102.04	A- 012
Série DN		-	-	BOSCH	90.102.02	A- 005
Série DS		-	-	BOSCH	90.102.02	A- 005
		01/1997	-	BOSCH	90.102.04	A- 012
Série DSC		-	-	BOSCH	90.102.02	A- 005
		01/1997	-	BOSCH	90.102.04	A- 012
Série DSI		-	-	BOSCH	90.102.02	A- 005
		01/1997	-	BOSCH	90.102.04	A- 012
T112		-	-	BOSCH	90.102.02	A- 005
T114	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
		03/1998	-	BOSCH	90.102.04	A- 012
T124	DS11/DSC11	-	-	BOSCH	90.106.08	A- 009
T124/360	com motor DSC 12.02	09/1995	-	BOSCH	90.102.04	A- 012
T124/400	com motor DC 12.02	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DSC 12.01	09/1995	-	BOSCH	90.102.04	A- 012
T124/420	com motor DC 12.01	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DC 12.02	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DSC 12.03	09/1995	-	BOSCH	90.102.04	A- 012
	com motor DSC 12.05	09/1995	-	BOSCH	90.102.04	A- 012
T144/460	com motor DSC 14.15	09/1996	08/2001	BOSCH	90.102.04	A- 012
T144/530	com motor DSC 14.13	09/1996	08/2001	BOSCH	90.102.04	A- 012
SLC		de /from	até /until	M.Part/Starter	ZM	Pag.
6200	Turbo	-	-	BOSCH	90.101.08	A- 002
		-	-	BOSCH	90.101.08	A- 002
7200		-	-	BOSCH	90.101.08	A- 002
TOYOTA		de /from	até /until	M.Part/Starter	ZM	Pag.
Bandeirante						



TOYOTA		de /from	até /until	M.Part/Starter	ZM	Pag.
Bandeirante		-	-	BOSCH	90.101.03	A- 001
VALMET		de /from	até /until	M.Part/Starter	ZM	Pag.
110 ID	com motor 225-6	12/1973	03/1993	BOSCH	90.101.29	A- 004
118	com motor D 229-6	12/1973	03/1993	BOSCH	90.101.29	A- 004
118-4	com motor 229-6	12/1973	-	BOSCH	90.101.29	A- 004
1180	com motor 6 B 5.9	-	-	BOSCH	90.108.01	A- 010
128	4x4 com motor D 229-6 VS	12/1973	03/1993	BOSCH	90.101.29	A- 004
	com motor D 229-6 VS	12/1973	03/1993	BOSCH	90.101.29	A- 004
1280	4x4 D 229-6 VM	08/1990	-	BOSCH	90.101.29	A- 004
	com motor D 229-6 VM	08/1990	-	BOSCH	90.101.29	A- 004
138	Turbo com motor TD 229-6 TV	12/1973	03/1993	BOSCH	90.101.29	A- 004
138-4	Turbo com motor TD 229-6 VS	12/1973	03/1993	BOSCH	90.101.29	A- 004
148	4x4 com motor TD 229-6 VS	12/1973	03/1993	BOSCH	90.101.29	A- 004
	Turbo com motor TD 229-6 TV	12/1973	03/1993	BOSCH	90.101.29	A- 004
68	Cafeeiro com motor D 229-3 VS	06/1981	03/1993	BOSCH	90.101.29	A- 004
	Especial com motor D 229-3 VS	06/1981	03/1993	BOSCH	90.101.29	A- 004
	com motor D 229-3 VS	06/1981	03/1993	BOSCH	90.101.29	A- 004
685	C D 229 EVA	10/2001	-	BOSCH	90.101.29	A- 004
	F D 229 EVA	10/2001	-	BOSCH	90.101.29	A- 004
	com motor D 229-3 VA	08/1992	03/1993	BOSCH	90.101.29	A- 004
78	S com motor D 229-4	06/1981	03/1993	BOSCH	90.101.29	A- 004
785	com motor D 229-4 VA	08/1992	03/1993	BOSCH	90.101.29	A- 004
88	com motor 229-4	09/1981	03/1993	BOSCH	90.101.29	A- 004
880	4x4 com motor D 229-4	08/1992	03/1993	BOSCH	90.101.29	A- 004
	com motor D 229-4	08/1992	03/1993	BOSCH	90.101.29	A- 004
885	4x4 com motor D 229-4 TM	01/1996	-	BOSCH	90.101.29	A- 004
	com motor D 229-4 VM	01/1986	-	BOSCH	90.101.29	A- 004
980	4x4 Turbo com motor TD 229-4	02/1986	-	BOSCH	90.101.29	A- 004
985	4x4 com motor D 229 EC-4 TA	02/1986	-	BOSCH	90.101.29	A- 004
	com motor D 229 EC-4 VM	02/1996	-	BOSCH	90.101.29	A- 004
VOLKSWAGEN		de /from	até /until	M.Part/Starter	ZM	Pag.
12-140 T		06/1997	02/2000	BOSCH	90.101.04	A- 001
		06/1997	02/2000	BOSCH	90.101.09	A- 003
12-170 BT		06/1997	02/2000	BOSCH	90.101.04	A- 001
		06/1997	02/2000	BOSCH	90.101.09	A- 003
12-180		06/1999	02/2000	BOSCH	90.101.04	A- 001
		06/1999	02/2000	BOSCH	90.101.09	A- 003
13-150 com motor 4.10 TCA		-	-	BOSCH	90.108.01	A- 010
		01/2000	-	BOSCH	90.101.04	A- 001
		01/2000	-	BOSCH	90.101.09	A- 003
13-170		03/2000	10/2001	BOSCH	90.101.04	A- 001
		03/2000	10/2001	BOSCH	90.101.09	A- 003
13-180 com motor 6.10 TCA		-	-	BOSCH	90.108.01	A- 010
		01/0200	12/2005	BOSCH	90.108.05	A- 011
		03/2000	-	BOSCH	90.101.04	A- 001
		03/2000	-	BOSCH	90.101.09	A- 003
13-180 Constellation	4.12 TCE	04/2006	-	BOSCH	90.106.09	A- 010
13-190 com motor 6BTAA		-	-	BOSCH	90.108.01	A- 010
		11/2001	12/2005	BOSCH	90.108.05	A- 011
		10/2001	-	BOSCH	90.101.04	A- 001
		10/2001	-	BOSCH	90.101.09	A- 003
14-150		07/1991	02/2000	BOSCH	90.101.04	A- 001
		07/1991	02/2000	BOSCH	90.101.09	A- 003
14-170 BT		06/1997	02/2000	BOSCH	90.101.04	A- 001
		06/1997	02/2000	BOSCH	90.101.09	A- 003
14-180		11/1999	02/2000	BOSCH	90.101.04	A- 001
		11/1999	02/2000	BOSCH	90.101.09	A- 003
14-220		06/1988	02/2000	BOSCH	90.101.04	A- 001



VOLKSWAGEN		de /from	até /until	M.Part/Starter	ZM	Pag.
14-220		06/1988	02/2000	BOSCH	90.101.09	A- 003
15-170		03/2000	10/2001	BOSCH	90.101.04	A- 001
		03/2000	10/2001	BOSCH	90.101.09	A- 003
15-180	6.10 TCA	01/2000	12/2005	BOSCH	90.108.05	A- 011
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	BOSCH	90.108.01	A- 010
		01/2000	10/2001	BOSCH	90.101.04	A- 001
		01/2000	10/2001	BOSCH	90.101.09	A- 003
15-180 Constellation	4.12 TCE	04/2006	-	BOSCH	90.106.09	A- 010
15-190	4.12 TCE EOD Eletrônico	10/2006	02/2012	BOSCH	90.106.09	A- 010
	com motor Cummins 6BTAA 5.9 litros	-	-	BOSCH	90.108.01	A- 010
		11/2001	12/2005	BOSCH	90.108.05	A- 011
		11/2001	-	BOSCH	90.101.04	A- 001
		11/2001	-	BOSCH	90.101.09	A- 003
15-210 Militar	6.10 TCA	06/2007	-	BOSCH	90.108.05	A- 011
16-200		10/1997	02/2000	BOSCH	90.101.04	A- 001
		10/1997	02/2000	BOSCH	90.101.09	A- 003
16-210	CO com motor 6.10 TCA	-	-	BOSCH	90.106.03	A- 008
		02/1988	02/2000	BOSCH	90.101.04	A- 001
		02/1988	02/2000	BOSCH	90.101.09	A- 003
16-220		06/1991	02/2000	BOSCH	90.101.04	A- 001
		06/1991	02/2000	BOSCH	90.101.09	A- 003
17-210	OD com motor 6.10 TCA	11/2000	12/2005	BOSCH	90.108.05	A- 011
	com motor Cummins 6BTAA 5.9 litros	-	-	BOSCH	90.108.01	A- 010
		01/2000	12/2005	BOSCH	90.108.05	A- 011
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	BOSCH	90.108.01	A- 010
		01/2000	-	BOSCH	90.101.04	A- 001
		01/2000	-	BOSCH	90.101.09	A- 003
17-220	com motor Cummins 6CTAA 8.3 litros	-	-	BOSCH	90.108.01	A- 010
		01/2000	03/2006	BOSCH	90.108.05	A- 011
		01/2000	-	BOSCH	90.101.04	A- 001
		01/2000	-	BOSCH	90.101.09	A- 003
17-230	EOD com motor eletrônico Acteon 6.12 TCE	10/2006	02/2012	BOSCH	90.106.09	A- 010
17-300		01/2000	10/2001	BOSCH	90.101.04	A- 001
		01/2000	10/2001	BOSCH	90.101.09	A- 003
17-310	com motor Cummins 6CTAA 8.3 Litros	-	-	BOSCH	90.108.01	A- 010
		11/2001	12/2005	BOSCH	90.108.05	A- 011
		11/2001	-	BOSCH	90.101.04	A- 001
		11/2001	-	BOSCH	90.101.09	A- 003
19-370 Constellation	NGD 9.3E	08/2007	-	BOSCH	90.106.09	A- 010
23-210	com motor Cummins 6BTAA 5.9 litros	-	-	BOSCH	90.108.01	A- 010
	com motor MWM serie 10 6.10 TCA 6.4 litros	05/2002	12/2005	BOSCH	90.108.05	A- 011
23-220	com motor Cummins 6CTAA 8.3 litros	-	-	BOSCH	90.108.01	A- 010
23-310	com motor Cummins 6CTAA 8.3 Litros	05/2001	12/2005	BOSCH	90.108.05	A- 011
25-370 Constellation	NGD 9.3E	08/2007	-	BOSCH	90.106.09	A- 010
26-220	com motor Cummins 6CTAA 8.3 litros	-	-	BOSCH	90.108.01	A- 010
		11/2001	03/2006	BOSCH	90.108.05	A- 011
		11/2001	-	BOSCH	90.101.04	A- 001
		11/2001	-	BOSCH	90.101.09	A- 003
26-260	com motor Cummins 6CTAA 8.3 litros	-	-	BOSCH	90.108.01	A- 010
		02/2002	12/2005	BOSCH	90.108.05	A- 011
		10/2001	-	BOSCH	90.101.04	A- 001
		10/2001	-	BOSCH	90.101.09	A- 003
26-260 Constellation	6.12 TCE	07/2008	-	BOSCH	90.106.09	A- 010
26-310	com motor Cummins 6CTAA 8.3 litros	-	-	BOSCH	90.108.01	A- 010
		11/2001	12/2005	BOSCH	90.108.05	A- 011
31-260	6 CTAA 8.3L	02/2005	-	BOSCH	90.108.05	A- 011
31-260 Constellation	6.12 TCE	07/2008	-	BOSCH	90.106.09	A- 010
31-310	6 CTAA 8.3L	01/2005	12/2006	BOSCH	90.108.05	A- 011
31-370 Constellation	NGD 9.3E					



VOLKSWAGEN		de /from	até /until	M.Part/Starter	ZM	Pag.
31-370 Constellation	NGD 9.3E	08/2007	-	BOSCH	90.106.09	A- 010
7-100		03/1994	02/2002	BOSCH	90.101.04	A- 001
		03/1994	02/2002	BOSCH	90.101.09	A- 003
7-110	com motor 4.10 TCA	-	-	BOSCH	90.108.01	A- 010
7-120	com motor 4.10 TCA	-	-	BOSCH	90.108.01	A- 010
		03/2002	-	BOSCH	90.101.04	A- 001
		03/2002	-	BOSCH	90.101.09	A- 003
8-100		03/1997	02/2000	BOSCH	90.101.04	A- 001
		03/1997	02/2000	BOSCH	90.101.09	A- 003
8-120	com motor 4.10 TCA	-	-	BOSCH	90.108.01	A- 010
8-140	CO/CE com motor 4.10 T	04/1994	01/2001	BOSCH	90.101.04	A- 001
		04/1994	01/2001	BOSCH	90.101.09	A- 003
		03/1994	02/2000	BOSCH	90.101.04	A- 001
		03/1994	02/2000	BOSCH	90.101.09	A- 003
8-150	4.08 TCE EOD eletrônico	02/2008	02/2012	BOSCH	90.106.09	A- 010
	com motor 4.10 TCA	-	-	BOSCH	90.108.01	A- 010
9-150	OD com motor MWM 4.10 TCA	11/2000	-	BOSCH	90.101.04	A- 001
		11/2000	-	BOSCH	90.101.09	A- 003
		-	-	BOSCH	90.108.01	A- 010
Beetle	2.0	01/1998	-	BOSCH	90.108.03	A- 011
	2.0 com motor AEG	-	-	BOSCH	90.108.02	A- 010
	2.0 com motor AQY	-	-	BOSCH	90.108.02	A- 010
Bora	1.6 Variant com motor AKL	-	-	BOSCH	90.108.02	A- 010
	1.8T AGU	-	-	BOSCH	90.108.02	A- 010
	2.0 APK	-	-	BOSCH	90.108.02	A- 010
Fusca	1.6	-	-	BOSCH	90.101.05	A- 002
		-	-	BOSCH	90.101.14	A- 003
		-	-	BOSCH	90.101.15	A- 003
		-	-	BOSCH	90.101.16	A- 004
Gol	II 1.0 Mi	09/1997	-	BOSCH	90.109.02	A- 013
	III 1.0Mi 16V	09/1997	-	BOSCH	90.109.02	A- 013
Golf	1.4 AHW	-	-	BOSCH	90.108.02	A- 010
	1.6 AEH	-	-	BOSCH	90.108.02	A- 010
	1.6 AKL	-	-	BOSCH	90.108.02	A- 010
	1.8 AGN	-	-	BOSCH	90.108.02	A- 010
	1.8 AGU	-	-	BOSCH	90.108.02	A- 010
	1.8 AUM	-	-	BOSCH	90.108.02	A- 010
	1.8T GTI	08/1999	-	BOSCH	90.108.03	A- 011
	III 1.8 com motor ABS	11/1991	02/1992	BOSCH	90.109.02	A- 013
	IV 1.6	08/1999	-	BOSCH	90.108.03	A- 011
	IV 1.8 GTI Turbo com motor AGU	-	-	BOSCH	90.108.02	A- 010
	IV 2.0	08/1998	-	BOSCH	90.108.03	A- 011
	IV 2.0 com motor APK	-	-	BOSCH	90.108.02	A- 010
	IV 2.0 com motor AQY	-	-	BOSCH	90.108.02	A- 010
	IV 2.0 com motor AZG	-	-	BOSCH	90.108.02	A- 010
	IV 2.0 com motor AZJ	-	-	BOSCH	90.108.02	A- 010
	Variant 1.4 AKG	-	-	BOSCH	90.108.02	A- 010
Kombi	1.6	-	-	BOSCH	90.101.05	A- 002
		-	-	BOSCH	90.101.14	A- 003
		-	-	BOSCH	90.101.15	A- 003
		-	-	BOSCH	90.101.16	A- 004
Parati	II 1.0 Mi	09/1997	-	BOSCH	90.109.02	A- 013
	II 1.0 Mi 16V	09/1997	-	BOSCH	90.109.02	A- 013
Polo	1.0 16V	-	-	BOSCH	90.108.03	A- 011
	1.0 16V com motor ARA	-	-	BOSCH	90.108.02	A- 010
	1.6	-	-	BOSCH	90.108.03	A- 011
	1.6 com motor BAH	-	-	BOSCH	90.108.02	A- 010
	1.9 SDI	-	-	BOSCH	90.108.03	A- 011
	1.9 TDI	-	-	BOSCH	90.108.03	A- 011



VOLKSWAGEN		de /from	até /until	M.Part/Starter	ZM	Pag.
Polo	2.0 com motor BBX	-	-	BOSCH	90.108.02	A- 010
	with 1.9 D diesel engine	-	-	BOSCH	90.108.02	A- 010
Transporter	1600	-	-	BOSCH	90.101.05	A- 002
		-	-	BOSCH	90.101.14	A- 003
		-	-	BOSCH	90.101.15	A- 003
		-	-	BOSCH	90.101.16	A- 004
Worker 17-220	6 CTAA 8.3L	04/2006	-	BOSCH	90.108.05	A- 011
Worker 24-220	6 CTAA 8.3L	04/2006	-	BOSCH	90.108.05	A- 011
Worker 26-220	6 CTAA 8.3L	04/2006	-	BOSCH	90.108.05	A- 011
VOLVO		de /from	até /until	M.Part/Starter	ZM	Pag.
B 12B		02/1997	-	BOSCH	90.102.05	A- 012
B-58		-	-	BOSCH	90.102.01	A- 005
B10M	eletrônico	-	-	BOSCH	90.106.04	A- 008
		-	-	BOSCH	90.102.01	A- 005
		-	-	BOSCH	90.103.03	A- 006
B12		-	-	BOSCH	90.102.01	A- 005
		03/1994	-	BOSCH	90.102.05	A- 012
B12B	Eletrônico	-	-	BOSCH	90.106.04	A- 008
FH12		-	-	BOSCH	90.106.04	A- 008
FM		-	-	BOSCH	90.106.04	A- 008
N10		-	-	BOSCH	90.102.01	A- 005
N12		-	-	BOSCH	90.102.01	A- 005
NH12		-	-	BOSCH	90.106.04	A- 008
NL10		-	-	BOSCH	90.102.01	A- 005
		01/1996	-	BOSCH	90.102.05	A- 012
NL12		-	-	BOSCH	90.102.01	A- 005
		01/1996	-	BOSCH	90.102.05	A- 012
VW SEAT		de /from	até /until	M.Part/Starter	ZM	Pag.
Cordoba	1.6	10/1999	-	BOSCH	90.108.03	A- 011
	1.6 com motor AKL	-	-	BOSCH	90.108.02	A- 010
Ibiza	1.0 16V com motor AST	-	-	BOSCH	90.108.02	A- 010
	1.6	05/1999	10/2000	BOSCH	90.108.03	A- 011
	1.6 com motor AEH	-	-	BOSCH	90.108.02	A- 010
	1.6 com motor AKL	-	-	BOSCH	90.108.02	A- 010
	1.6 com motor AUR	-	-	BOSCH	90.108.02	A- 010
	Cupra/Sport 1.8 20V T com motor AQX	-	-	BOSCH	90.108.02	A- 010



MOTORES DE PARTIDA E ALTERNADORES
STARTER MOTORS AND ALTERNATORS

ANOTAÇÕES
NOTES



COMPONENTES

SPARE PARTS



Referência - BOSCH / BOSCH - Reference

EQUIVALÊNCIA - ALTERNADOR ORIGINAL PARA ALTERNADOR ZM / **CROSS REFERENCE** - OEM ALTERNATOR TO ZM ALTERNATOR

EQUIVALÊNCIA - ALTERNADOR ORIGINAL PARA ALTERNADOR ZM / **CROSS REFERENCE** - OEM ALTERNATOR TO ZM ALTERNATOR

1

[illegible]



ZM 99.110.00

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1 para. FORD: F1000 T, F4000, F12000 e F14000, Ford Cargo C2630, C1215, C1217, C1415, C841, C4030. VOLKSWAGEN: Caminhões Série 7t, 8t, 9t, 12t, 13t, 14t, 15t, 16t, 17t, 26t, 40t.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.136, 9.120.080.184, F.000.LD0.106, F.000.LD0.113. ZM: 90.101.04, 90.101.30

SUBSTITUI / REPLACE:

BOSCH: 9.122.080.100.



ZM 99.110.01

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1 para Mercedes Benz, Maxion, Massey Ferguson, Komatsu, Case, AGCO.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.055.083, 9.120.055.111, 9.120.055.113, 9.120.055.132, 9.120.055.158, 9.120.055.182, 9.120.055.218, 9.120.080.031, 9.120.080.039, 9.120.080.182

SUBSTITUI / REPLACE:

BOSCH: 9.121.080.710.



ZM 99.110.02

K1

APLICAÇÃO / USED ON:

-BOSCH: Mancal de Acionamento do alternador tipo K1 . para. AGRALE DEUTZ: 8500. CASE: W36. KOMATSU: D 30 E. MASSEY FERGUSON: MF 1630. MERCEDES BENZ: L610, LO 809, 1214C.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.148, 9.120.080.183. ZM: 90.101.03

SUBSTITUI / REPLACE:

BOSCH: 9.122.080.254.



ZM 99.110.03

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1 para.. GM-CHEVROLET: Blazer, S-10, Vectra 2.2, Ipanema, Kadett e Monza.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.142, 9.120.080.168, 9.120.080.169, 9.120.080.172. ZM: 90.101.01, 90.101.13

SUBSTITUI / REPLACE:

BOSCH: 9.122.080.142.



ZM 99.110.04

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1. FIAT: Uno, Elba, Premio.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.056, 9.120.080.089, 9.120.080.093, 9.120.080.099, 9.120.080.139, 9.120.080.173, 9.120.080.213, 9.120.080.221. ZM: 90.101.06, 90.101.21, 90.101.22

SUBSTITUI / REPLACE:

BOSCH: 9.121.080.456. ZM: 91.101.01, 91.101.02.



ZM 99.110.05

K1

APLICAÇÃO / USED ON:

-BOSCH: Mancal de Acionamento do alternador tipo K1. AGRALE-DEUTZ: 1800D. CASE: 80CR D 229-6. FIAT-ALLIS: FB 80. MUELLER: VAP 55 D.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.022, 9.120.080.058, 9.120.080.091, 9.120.080.101, 9.120.080.123, 9.120.080.140, 9.120.080.154, 9.120.080.160, 9.120.080.199, 9.120.080.200, F.000.LD0.111. ZM: 90.101.07

SUBSTITUI / REPLACE:

BOSCH: 9.121.080.960.



ZM 99.120.01

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1 e KC para Volvo.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.114, 9.120.080.130, 9.120.080.188

SUBSTITUI / REPLACE:

BOSCH: 9.122.080.027, 9.122.080.922.



ZM 99.120.02

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1 para Scania , Atlas Copco.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.062, 9.120.080.074, 9.120.080.109, 9.120.080.124, 9.120.080.129, 9.120.080.144. ZM: 90.102.02

SUBSTITUI / REPLACE:

BOSCH: 9.122.080.173.



ZM 99.120.03

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo K1 para caminhões Mercedes Benz.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.181, 9.120.080.219. ZM: 90.102.03

SUBSTITUI / REPLACE:

BOSCH: 9.122.080.505.



ZM 99.112.02

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo K1 para Case, Komatsu, Massey Ferguson, Perkins e Toyota.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.112, 9.120.080.113, 9.120.080.126, 9.120.080.140, 9.120.080.145, 9.120.080.182, 9.120.080.218. ZM: 90.101.02, 90.101.03

SUBSTITUI / REPLACE:

BOSCH: 9.121.080.947.



ZM 99.112.03

K1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo K1 para Volkswagen.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.114, 9.120.080.130, 9.120.080.136, 9.120.080.137, 9.120.080.157, 9.120.080.162, 9.120.080.184, 9.120.080.188. ZM: 90.101.04, 90.102.01

SUBSTITUI / REPLACE:

BOSCH: 1.125.884.422, 1.125.884.458.



ZM 99.112.00

K1

APLICAÇÃO / USED ON:

ZM: Base do alternador para veículos VW refrigerado a ar que utilizam alternador (Fusca).

ALTERNADOR / ALTERNATOR:

ZM: 90.101.05

SUBSTITUI / REPLACE:



ZM 99.112.01

K1

APLICAÇÃO / USED ON:

ZM: Base do alternador + Cinto para veículos VW refrigerado a ar que utilizam alternador (Fusca).

ALTERNADOR / ALTERNATOR:

ZM: 90.101.05

SUBSTITUI / REPLACE:



ZM 99.112.90

K1

APLICAÇÃO / USED ON:

BOSCH: Ventoinha do Alternador tipo K1.

ALTERNADOR / ALTERNATOR:

BOSCH: 9.120.080.031, 9.120.080.055, 9.120.080.067, 9.120.080.074, 9.120.080.111, 9.120.080.130, 9.120.080.157, 9.120.080.187, F.000.LD0.106, F.000.LD0.113, F.010.LD0.102. ZM: 90.101.03, 90.101.04, 90.101.08, 90.101.09, 90.101.30, 90.102.01, 90.102.02, 90.102.03

SUBSTITUI / REPLACE:

BOSCH: 9.121.080.703.



ZM 99.142.90

T1

APLICAÇÃO / USED ON:

BOSCH: Ventoinha do Alternador tipo T1.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.120.689.503, 0.120.689.510, 0.120.689.520, 0.120.689.530, 0.120.689.540, 0.120.689.552, 0.120.689.561, 9.120.456.003, 9.120.456.048, 9.129.456.003, 9.129.456.033, 9.129.456.053, F.000.LD0.200, F.000.LD0.212, F.000.LD0.213. ZM: 90.104.01, 90.104.02

SUBSTITUI / REPLACE:

BOSCH: 1.126.610.052.



ZM 99.160.00

NCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo NCB1 para Mercedes Benz e El Detalle.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.555.001, 0.124.555.002, 0.124.555.007, 0.124.555.011, 0.124.555.015, 0.124.555.016, 0.124.555.042, 0.124.555.044, 0.124.555.045, 0.124.555.046. ZM: 90.106.01, 90.106.02, 90.106.03, 90.106.05, 90.106.06, 90.106.09

SUBSTITUI / REPLACE:

BOSCH: F.00M.136.244.



ZM 99.160.01

NCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo N1 para Volvo.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.555.007, 0.124.555.009, 0.124.555.017, 0.124.555.020, 0.124.555.036, 0.124.555.038. ZM: 90.106.04

SUBSTITUI / REPLACE:

BOSCH: F.00M.136.322.



ZM 99.160.02

NCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo NCB1 para Scania F113HL, P114.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.555.008, 0.124.555.034. ZM: 90.106.07, 90.106.08

SUBSTITUI / REPLACE:

BOSCH: F.00M.136.279.



ZM 99.162.00

NCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo NCB1 para Mercedes Benz e El Detalle.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.555.001, 0.124.555.002, 0.124.555.007, 0.124.555.011, 0.124.555.015, 0.124.555.016, 0.124.555.042, 0.124.555.044, 0.124.555.045, 0.124.555.046. ZM: 90.106.01, 90.106.02, 90.106.03, 90.106.05, 90.106.06, 90.106.09

SUBSTITUI / REPLACE:

BOSCH: F.00M.136.441.



ZM 99.162.01

NCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo NCB1 para Volvo.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.555.007, 0.124.555.009, 0.124.555.017, 0.124.555.020, 0.124.555.023, 0.124.555.036, 0.124.555.038. ZM: 90.106.04

SUBSTITUI / REPLACE:

BOSCH: F.00M.136.512.



ZM 99.162.02

NCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo NCB1 para Scania F113HL, P114.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.555.008, 0.124.555.034. ZM: 90.106.07, 90.106.08

SUBSTITUI / REPLACE:

BOSCH: F.00M.136.443.



ZM 99.120.00

N1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo N1 para Scania.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.120.468.131, 6.033.GB3.033. ZM: 90.102.04

SUBSTITUI / REPLACE:

BOSCH: 1.125.825.354.



ZM 99.122.00

N1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo N1 para Scania.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.120.468.131, 6.033.GB3.033. ZM: 90.102.04

SUBSTITUI / REPLACE:

BOSCH: 6.033.GD1.016.



ZM 99.180.00

KCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo KCB1 para VW A3, Bora, Golf, Polo.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.315.003, 0.124.325.003. ZM: 90.108.02

SUBSTITUI / REPLACE:

BOSCH: F.00M.126.207.



ZM 99.182.00

KCB1

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo KCB1 para VW A3, Bora, Golf, Polo.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.124.315.003, 0.124.325.003, 0.124.325.043, 0.124.325.061. ZM: 90.108.02

SUBSTITUI / REPLACE:

BOSCH: F.00M.126.407.



ZM 99.190.00

KC

APLICAÇÃO / USED ON:

BOSCH: Mancal de Acionamento do alternador tipo KC para FORD Courier, Fiesta, Ka.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.123.310.054. ZM: 90.109.01

SUBSTITUI / REPLACE:

BOSCH: 1.125.824.739.



ZM 99.192.00

KC

APLICAÇÃO / USED ON:

BOSCH: Mancal do Coletor do alternador tipo KC para FORD Courier, Fiesta, Ka.

ALTERNADOR / ALTERNATOR:

BOSCH: 0.123.310.026, 0.123.310.029, 0.123.310.053, 0.123.310.054. ZM: 90.109.01

SUBSTITUI / REPLACE:

BOSCH: 1.125.884.732.



MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page	MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page	MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page	MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page
BOSCH											
1.125.824.739	99.190.00	I- 007									
1.125.825.354	99.120.00	I- 006									
1.125.884.422	99.112.03	I- 003									
1.125.884.458	99.112.03	I- 003									
1.125.884.732	99.192.00	I- 007									
1.126.610.052	99.142.90	I- 004									
6.033.GD1.016	99.122.00	I- 006									
9.121.080.456	99.110.04	I- 002									
9.121.080.703	99.112.90	I- 004									
9.121.080.710	99.110.01	I- 001									
9.121.080.947	99.112.02	I- 003									
9.121.080.960	99.110.05	I- 002									
9.122.080.027	99.120.01	I- 002									
9.122.080.100	99.110.00	I- 001									
9.122.080.142	99.110.03	I- 001									
9.122.080.173	99.120.02	I- 002									
9.122.080.254	99.110.02	I- 001									
9.122.080.505	99.120.03	I- 003									
9.122.080.922	99.120.01	I- 002									
F.00M.126.207	99.180.00	I- 006									
F.00M.126.407	99.182.00	I- 007									
F.00M.136.244	99.160.00	I- 004									
F.00M.136.279	99.160.02	I- 005									
F.00M.136.322	99.160.01	I- 005									
F.00M.136.441	99.162.00	I- 005									
F.00M.136.443	99.162.02	I- 006									
F.00M.136.512	99.162.01	I- 005									
ZM											
91.101.01	99.110.04	I- 002									
91.101.02	99.110.04	I- 002									



MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page	MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page	MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page	MANCAL D.E. BRACKETS	Nº ZM ZM Nr.	Pag. Page
BOSCH			BOSCH			BOSCH			ZM		
0.120.468.131	99.120.00	I- 006	9.120.055.111	99.110.01	I- 001	9.120.080.187	99.112.90	I- 004	90.106.04	99.162.01	I- 005
0.120.468.131	99.122.00	I- 006	9.120.055.113	99.110.01	I- 001	9.120.080.188	99.120.01	I- 002	90.106.05	99.160.00	I- 004
0.120.689.503	99.142.90	I- 004	9.120.055.132	99.110.01	I- 001	9.120.080.188	99.112.03	I- 003	90.106.05	99.162.00	I- 005
0.120.689.510	99.142.90	I- 004	9.120.055.158	99.110.01	I- 001	9.120.080.199	99.110.05	I- 002	90.106.06	99.160.00	I- 004
0.120.689.520	99.142.90	I- 004	9.120.055.182	99.110.01	I- 001	9.120.080.200	99.110.05	I- 002	90.106.06	99.162.00	I- 005
0.120.689.530	99.142.90	I- 004	9.120.055.218	99.110.01	I- 001	9.120.080.213	99.110.04	I- 002	90.106.07	99.160.02	I- 005
0.120.689.540	99.142.90	I- 004	9.120.080.022	99.110.05	I- 002	9.120.080.218	99.112.02	I- 003	90.106.07	99.162.02	I- 006
0.120.689.552	99.142.90	I- 004	9.120.080.031	99.110.01	I- 001	9.120.080.219	99.120.03	I- 003	90.106.08	99.160.02	I- 005
0.120.689.561	99.142.90	I- 004	9.120.080.031	99.112.90	I- 004	9.120.080.221	99.110.04	I- 002	90.106.08	99.162.02	I- 006
0.123.310.026	99.192.00	I- 007	9.120.080.039	99.110.01	I- 001	9.120.456.003	99.142.90	I- 004	90.106.09	99.160.00	I- 004
0.123.310.029	99.192.00	I- 007	9.120.080.055	99.112.90	I- 004	9.120.456.048	99.142.90	I- 004	90.106.09	99.162.00	I- 005
0.123.310.053	99.192.00	I- 007	9.120.080.056	99.110.04	I- 002	9.129.456.003	99.142.90	I- 004	90.108.02	99.180.00	I- 006
0.123.310.054	99.190.00	I- 007	9.120.080.058	99.110.05	I- 002	9.129.456.033	99.142.90	I- 004	90.108.02	99.182.00	I- 007
0.123.310.054	99.192.00	I- 007	9.120.080.062	99.120.02	I- 002	9.129.456.053	99.142.90	I- 004	90.109.01	99.190.00	I- 007
0.124.315.003	99.180.00	I- 006	9.120.080.067	99.112.90	I- 004	F.000.LD0.106	99.110.00	I- 001	90.109.01	99.192.00	I- 007
0.124.315.003	99.182.00	I- 007	9.120.080.074	99.120.02	I- 002	F.000.LD0.106	99.112.90	I- 004			
0.124.325.003	99.180.00	I- 006	9.120.080.074	99.112.90	I- 004	F.000.LD0.111	99.110.05	I- 002			
0.124.325.003	99.182.00	I- 007	9.120.080.089	99.110.04	I- 002	F.000.LD0.113	99.110.00	I- 001			
0.124.325.043	99.182.00	I- 007	9.120.080.091	99.110.05	I- 002	F.000.LD0.113	99.112.90	I- 004			
0.124.325.061	99.182.00	I- 007	9.120.080.093	99.110.04	I- 002	F.000.LD0.200	99.142.90	I- 004			
0.124.555.001	99.160.00	I- 004	9.120.080.099	99.110.04	I- 002	F.000.LD0.212	99.142.90	I- 004			
0.124.555.001	99.162.00	I- 005	9.120.080.101	99.110.05	I- 002	F.000.LD0.213	99.142.90	I- 004			
0.124.555.002	99.160.00	I- 004	9.120.080.109	99.120.02	I- 002	F.010.LD0.102	99.112.90	I- 004			
0.124.555.002	99.162.00	I- 005	9.120.080.111	99.112.90	I- 004	ZM					
0.124.555.007	99.160.00	I- 004	9.120.080.112	99.112.02	I- 003	90.101.01	99.110.03	I- 001			
0.124.555.007	99.160.01	I- 005	9.120.080.113	99.112.02	I- 003	90.101.02	99.112.02	I- 003			
0.124.555.007	99.162.00	I- 005	9.120.080.114	99.120.01	I- 002	90.101.03	99.110.02	I- 001			
0.124.555.007	99.162.01	I- 005	9.120.080.114	99.112.03	I- 003	90.101.03	99.112.02	I- 003			
0.124.555.008	99.160.02	I- 005	9.120.080.123	99.110.05	I- 002	90.101.03	99.112.90	I- 004			
0.124.555.008	99.162.02	I- 006	9.120.080.124	99.120.02	I- 002	90.101.04	99.110.00	I- 001			
0.124.555.009	99.160.01	I- 005	9.120.080.126	99.112.02	I- 003	90.101.04	99.112.03	I- 003			
0.124.555.009	99.162.01	I- 005	9.120.080.129	99.120.02	I- 002	90.101.04	99.112.90	I- 004			
0.124.555.011	99.160.00	I- 004	9.120.080.130	99.120.01	I- 002	90.101.05	99.112.00	I- 003			
0.124.555.011	99.162.00	I- 005	9.120.080.130	99.112.03	I- 003	90.101.05	99.112.01	I- 004			
0.124.555.015	99.160.00	I- 004	9.120.080.130	99.112.90	I- 004	90.101.06	99.110.04	I- 002			
0.124.555.015	99.162.00	I- 005	9.120.080.136	99.110.00	I- 001	90.101.07	99.110.05	I- 002			
0.124.555.016	99.160.00	I- 004	9.120.080.136	99.112.03	I- 003	90.101.08	99.112.90	I- 004			
0.124.555.016	99.162.00	I- 005	9.120.080.137	99.112.03	I- 003	90.101.09	99.112.90	I- 004			
0.124.555.017	99.160.01	I- 005	9.120.080.139	99.110.04	I- 002	90.101.13	99.110.03	I- 001			
0.124.555.017	99.162.01	I- 005	9.120.080.140	99.110.05	I- 002	90.101.21	99.110.04	I- 002			
0.124.555.020	99.160.01	I- 005	9.120.080.140	99.112.02	I- 003	90.101.22	99.110.04	I- 002			
0.124.555.020	99.162.01	I- 005	9.120.080.142	99.110.03	I- 001	90.101.30	99.110.00	I- 001			
0.124.555.023	99.162.01	I- 005	9.120.080.144	99.120.02	I- 002	90.101.30	99.112.90	I- 004			
0.124.555.034	99.160.02	I- 005	9.120.080.145	99.112.02	I- 003	90.102.01	99.112.03	I- 003			
0.124.555.034	99.162.02	I- 006	9.120.080.148	99.110.02	I- 001	90.102.01	99.112.90	I- 004			
0.124.555.036	99.160.01	I- 005	9.120.080.154	99.110.05	I- 002	90.102.02	99.120.02	I- 002			
0.124.555.036	99.162.01	I- 005	9.120.080.157	99.112.03	I- 003	90.102.02	99.112.90	I- 004			
0.124.555.038	99.160.01	I- 005	9.120.080.157	99.112.90	I- 004	90.102.03	99.120.03	I- 003			
0.124.555.038	99.162.01	I- 005	9.120.080.160	99.110.05	I- 002	90.102.03	99.112.90	I- 004			
0.124.555.042	99.160.00	I- 004	9.120.080.162	99.112.03	I- 003	90.102.04	99.120.00	I- 006			
0.124.555.042	99.162.00	I- 005	9.120.080.168	99.110.03	I- 001	90.102.04	99.122.00	I- 006			
0.124.555.044	99.160.00	I- 004	9.120.080.169	99.110.03	I- 001	90.104.01	99.142.90	I- 004			
0.124.555.044	99.162.00	I- 005	9.120.080.172	99.110.03	I- 001	90.104.02	99.142.90	I- 004			
0.124.555.045	99.160.00	I- 004	9.120.080.173	99.110.04	I- 002	90.106.01	99.160.00	I- 004			
0.124.555.045	99.162.00	I- 005	9.120.080.181	99.120.03	I- 003	90.106.01	99.162.00	I- 005			
0.124.555.046	99.160.00	I- 004	9.120.080.182	99.110.01	I- 001	90.106.02	99.160.00	I- 004			
0.124.555.046	99.162.00	I- 005	9.120.080.182	99.112.02	I- 003	90.106.02	99.162.00	I- 005			
6.033.GB3.033	99.120.00	I- 006	9.120.080.183	99.110.02	I- 001	90.106.03	99.160.00	I- 004			
6.033.GB3.033	99.122.00	I- 006	9.120.080.184	99.110.00	I- 001	90.106.03	99.162.00	I- 005			
9.120.055.083	99.110.01	I- 001	9.120.080.184	99.112.03	I- 003	90.106.04	99.160.01	I- 005			



ANOTAÇÕES
NOTES

NOTES



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São Paulo - Interior	Bazen Representações	16 2111 7000	bazen@terra.com.br
Tocantins	Saragão Representações	91 3235 0680	sumapa@uol.com.br

Vendas Exportação

Export Sales	ZM S.A.	55 47 3251 2932	sales@zm.com.br
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INFORMAÇÕES PARA O MERCADO BRASILEIRO INFORMATION FOR BRAZILIAN MARKET

ICMS

Rio Grande do Sul, Paraná, São Paulo, Rio de Janeiro e Minas Gerais: Considerar desconto adicional de 5,68% referente à diferença de ICMS.

Todos os outros estados do Norte, Nordeste e Centro-oeste: Considerar desconto adicional de 10,76% referente à diferença de ICMS.

Santa Catarina: Não há qualquer desconto adicional.

Frete

Frete CIF em todo o território brasileiro.



Unidade Motores de Partida e Alternadores - Brusque - SC - Brasil



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