

A: 48,5mm
B: 92mm
C: 428mm

Starter Drive



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



ZM 80.101.01

24V (R) 5,5kW KB

APLICAÇÃO /USED ON:

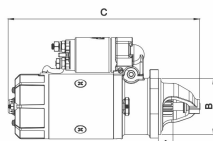
CATERPILLAR: 100 Series, 120B, 120C, 140B, 140C, 900 Series, 930R, 966C, D Series, D4E-DD, D4E-PS, D4E-SA, D4E-SR, D5B-PS, D5D-DD, D6C, D6D-DD, D6D-PS, D6D-SA, D6D-SR, D6E-PS.

SUBSTITUI /REPLACE:

BOSCH: 9.000.084.007. CATERPILLAR: 2Y1920.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 901 Relé de Contato/ Contact Relay.
ZM 902 Relé de Engrenamento/ Engagement Relay.
ZM 89.110.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.115.00 Mancal Coletor/ C.E. Housing.
ZM 89.117.01 Carcaça Polar/ Polar Yoke.

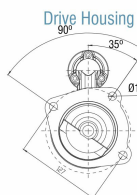


A: 29mm
B: 98mm
C: 337mm

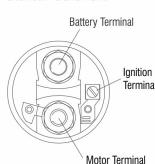
Starter Drive



Teeth (T): 10
O.D. 40,00mm



Starter Solenoid



ZM 80.103.09

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

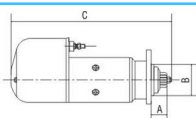
VOLVO: Retroescavadeira/ Loader.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.073. VOLVO: 11001346, 9011001346.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 9-636 Relé de Partida/ Starter Relay.
ZM 89.120.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.



A: 37mm
B: 92mm
C: 421mm

Starter Drive



Teeth (T): 11
O.D.: 41mm



ZM 80.101.02

24V (R) 5,5kW KB

APLICAÇÃO /USED ON:

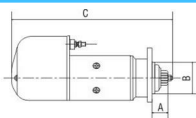
CASE: W Series. FIATALLIS: AD Series. MASSEY FERGUSON: MF 4000 Series. SCANIA: 112 Series, 113 Series.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 901 Relé de Contato/ Contact Relay.
ZM 902 Relé de Engrenamento/ Engagement Relay.
ZM 89.110.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.115.00 Mancal Coletor/ C.E. Housing.
ZM 89.117.01 Carcaça Polar/ Polar Yoke.



A: 47,5mm
B: 92mm
C: 428mm

Starter Drive



Teeth (T): 11
O.D.: 41mm



ZM 80.101.03

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 901 Relé de Contato/ Contact Relay.
ZM 902 Relé de Engrenamento/ Engagement Relay.
ZM 89.110.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.115.00 Mancal Coletor/ C.E. Housing.
ZM 89.117.01 Carcaça Polar/ Polar Yoke.

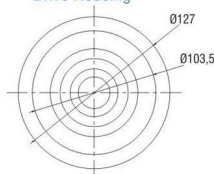


Starter Drive

Drive Housing



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



ZM 80.101.04

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 365, O-355, O-364, 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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 901 Relé de Contato/ Contact Relay.
ZM 902 Relé de Engrenamento/ Engagement Relay.
ZM 89.115.00 Mancal Coletor/ C.E. Housing.
ZM 89.117.01 Carcaça Polar/ Polar Yoke.



Starter Drive

Drive Housing



Teeth (T): 11
O.D.: 41mm



ZM 80.101.05

24V (R) 5,5kW KB

APLICAÇÃO /USED ON:

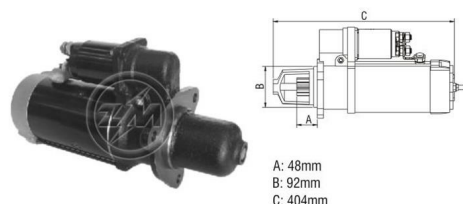
SCANIA: 112 Series, 113 Series, Série DN, Série DS, Série DSC, Série DSI.

SUBSTITUI /REPLACE:

BOSCH: 9.000.084.013. SCANIA: 64513.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 904 Relé de Contato/ Contact Relay.
ZM 903 Relé de Engrenamento/ Engagement Relay.
ZM 89.110.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.115.00 Mancal Coletor/ C.E. Housing.
ZM 89.117.01 Carcaça Polar/ Polar Yoke.



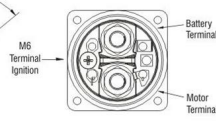
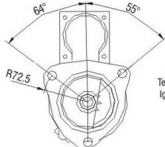
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 11
O.D.: 42.0mm



ZM 80.135.01

24V (R) 6,7kW JE

APLICAÇÃO /USED ON:

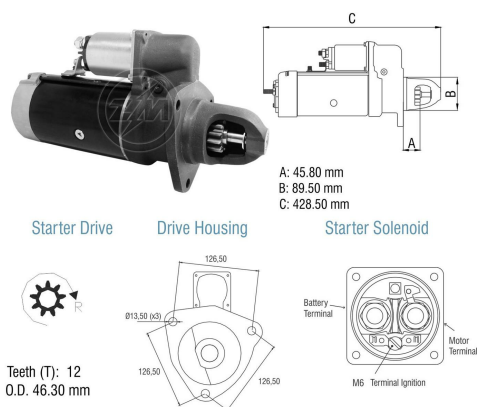
SCANIA: 1051, 1053, 1071, 1072, 1073, 1074, 1076, 1077, 1121, 114C/340, 114C/380, 114G/340, 114G/380, 114L/340, 114L/380, 1184, 1194, 1207, 1211, 1212, 1226, 1227, 1228, 1229, 124 Serie, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 124C/360, 124C/400, 124C/420, 124C/470, 124G/360, 124G/400, 124G/420, 124G/470, 124L/360, 124L/400, 124L/420, 124L/440, 124L/470, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1266, 1267, 1271, 1272, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1331, 1335, 1338, 1339, 1340, 1341, 1342, 1388, 1389, 1390, 1391, 1392, 1393, 1405, 1416, 1417, 1418, 1419, 1427, 1428, 1429, 1430, 1431, 1525, 1526, 1527, 360 Serie, 400 Serie, 420 Serie, 821, 823, 885, 886, 887, 935, 936, 937, 938, 939, 948, 949, 952, 957, 974, 975, 977, 978, 979, 986, 987, 998, 999, T114C/310, T114C/340, T114C/380, T114G/340, T114G/380, T114L/340, T114L/380, T124C/360, T124C/400, T124C/420, T124G/360, T124G/400, T124G/420, T124L/360, T124L/400, T124L/420, T124L/470.

SUBSTITUI /REPLACE:

BOSCH: 0.001.371.006, 0.001.371.007. DAF: 1516656R. DELCO REMY: 19070037. ISKRA: 111.391.64, AZJ3450, IS9148. PRESTOLITE: 860305. SCANIA: 1357709.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 833 Relé de Partida/ Starter Relay.
ZM 89.350.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.354.02 Mancal Intermediário/ Intermediate Housing.
ZM 89.355.00 Mancal Coletor/ C.E. Housing.
ZM 89.357.00 Carcaça Polar/ Polar Yoke.
ZM 83.831.01 Induzido/ Armature.



ZM 80.135.02

24V (R) 6,7kW JE

APLICAÇÃO /USED ON:

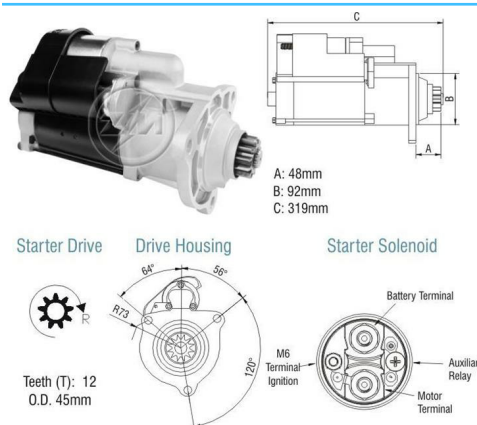
DECAROLI: 714, 784 T1/2, NG 4 T1. MERCEDES-BENZ: L 2635, LS 1625, LS 1630, LS 1935, LS 1941, O 400R, O 400RS, O 400RSD, O 400RSL, O 400UP, O-400 UPA.

SUBSTITUI /REPLACE:

BOSCH: 9.000.453.068. DELCO REMY: 10479292. MERCEDES-BENZ: 0041512401.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 832 Relé de Partida/ Starter Relay.
ZM 89.350.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.354.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.355.01 Mancal Coletor/ C.E. Housing.
ZM 89.357.00 Carcaça Polar/ Polar Yoke.



ZM 80.137.01

24V (R) 5,5kW HEF

APLICAÇÃO /USED ON:

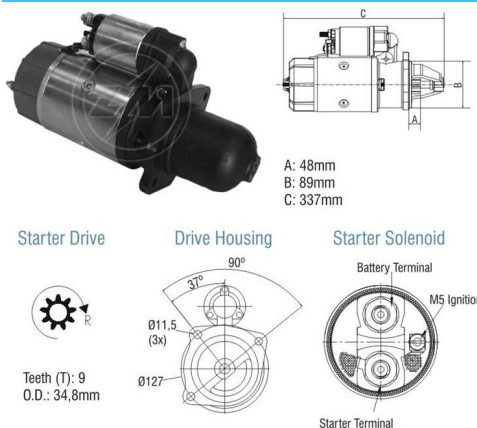
SCANIA: Série G, Série K, Série P, Série R, Série T.

SUBSTITUI /REPLACE:

BOSCH: 0.001.241.001, 0.001.261.001, 0.001.261.002, 0.001.261.026, 0.001.261.027, 0.001.261.028, 0.986.021.480, F 042 002 135. SCANIA: 1447911, 1796026, 2148650, 2276131.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-639 Relé de Partida/ Starter Relay.
ZM 291 Relé Auxiliar/ Auxiliary Relay.
ZM 89.370.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.375.00 Mancal Coletor/ C.E. Housing.
ZM 89.377.00 Carcaça Polar/ Polar Yoke.
ZM 83.639.03 Induzido/ Armature.



ZM 80.102.01

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

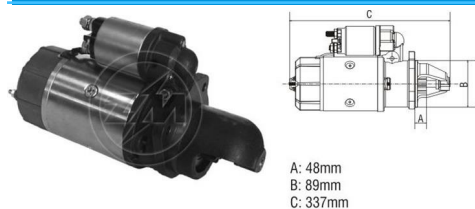
AGRALE-DEUTZ: BX 4.60, BX 60. CASE: W 18, W 20, W 20B. CBT: 1065, 1105, 2080, 2105, 8060 4x4. MERCEDES-BENZ: L 1013, L 1111, L-1113, L-1313, L-1316, L-2013, L-2016, L-2213, L-2215, L-2216, L-608 D, L-610, O-362. SLC: 6200, 7200, 7700.

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.



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

Starter Drive

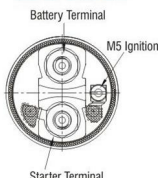


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.102.02

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

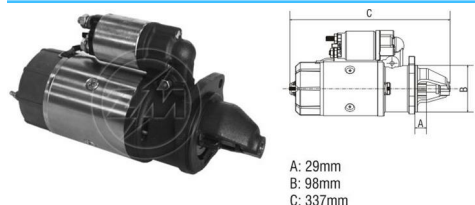
MERCEDES-BENZ: 709, 710, 712, 914, L 1013, L 1111, L 1116, L 1117, L-1113, L-1114, L-1118, L-1313, L-1620, L-608 D, L-708 E, LA-1113, LA-1117, LO-809, LO-814, LPO-1113. NEW HOLLAND: Tractor. TOYOTA: Bandeirante.

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.



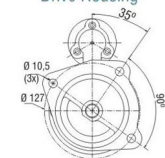
A: 29mm
B: 98mm
C: 337mm

Starter Drive

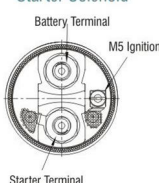


Teeth (T): 10
O.D.: 40mm

Drive Housing



Starter Solenoid



ZM 80.102.03

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

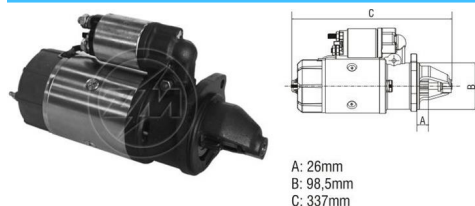
CBT: 8000 Series. GM-CHEVROLET: D series. MASSEY FERGUSON: MF 1000, MF 3000, MF 5000, MF 6000 Series. MAXION: Ideal 9075, Ideal 9090. MERCEDES-BENZ: 9t Series, OF Series, OH.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.



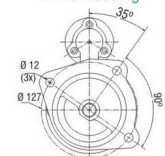
A: 26mm
B: 98,5mm
C: 337mm

Starter Drive

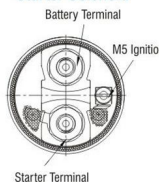


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.102.04

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

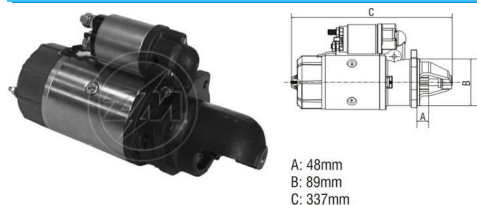
AGRALE: 5000, 6000, 7000, 7500, BX 100, BX 130, BX 4.130, BX 90. AGRAL-DEUTZ: BX 4.100 TD, BX 4.110, BX 4.150, BX 4.90. CASE: 80. CBT: 8000 Series. FIATALLIS: FB 80, FB Series. MWM: D 229-4, D 229-6, Diesel D, SLC 7000 Series, TD 229-6, TD Series. VALMET: 110 ID, 118, 128, 138, 148, 62 ID, 65 ID, 78, 88, 880, 980. VOLKSWAGEN: 14.140.

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.



ZM 80.102.05

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.

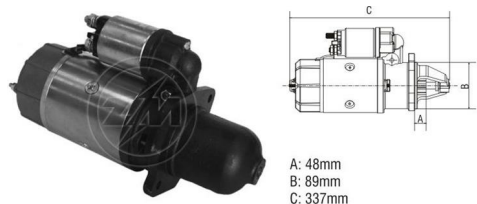
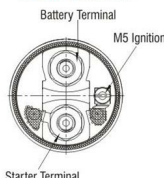
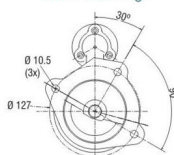
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.102.06

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

FORD: Cargo 1215, Cargo 814, Cargo 815, Cargo C 1216, Cargo C 1217, Cargo C 1415, Cargo C 1416, Cargo C 1417, Cargo C 1421, Cargo C 1617, Cargo C 1621, 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: TJB-911023D, XC45-11001-CA. PIC: 182-387. VOLKSWAGEN: TJB-911023D.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.

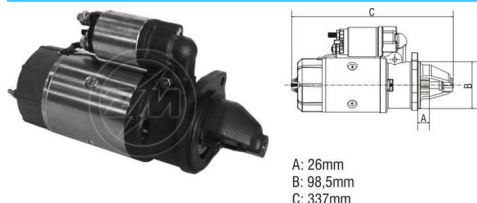
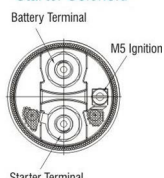
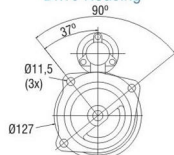
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.102.07

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, 15.180, 17.210, 7-120, 7.100, 8-100, 8-150, 8.120, 8.140, 9.150.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.

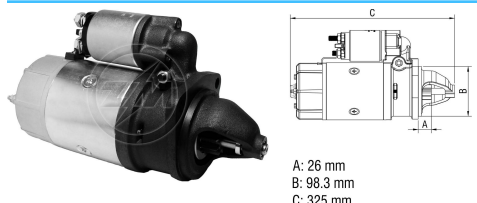
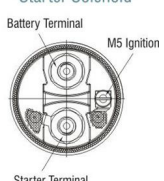
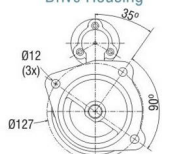
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.102.17

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.09 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.04 Carcaça Polar/ Polar Yoke.
ZM 83.531.07 Induzido/ Armature.

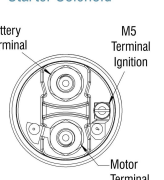
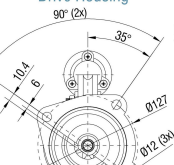
Starter Drive

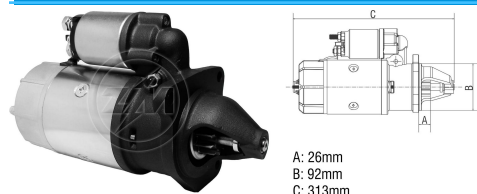
Drive Housing

Starter Solenoid



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





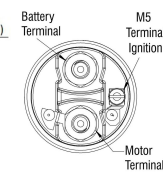
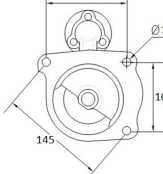
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.102.18

12V (R) 2,0kW JF

APLICAÇÃO /USED ON:

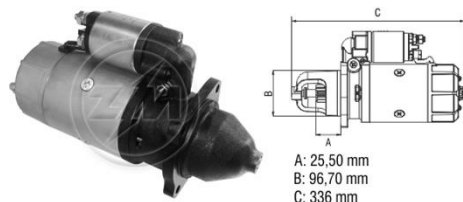
MASSEY FERGUSON: MF 235, MF 265, MF 265/4.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.072. MAXION: 191068M94.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.04 Carcaça Polar/ Polar Yoke.
ZM 83.531.07 Induzido/ Armature.



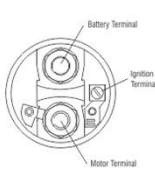
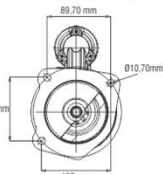
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.102.19

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

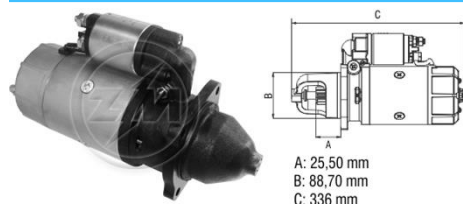
CBT: 8260. JOHN DEERE: JD 50 D. MASSEY FERGUSON: MF 295, MF 296. MAXION: 9110, 9130, 9150, 9170, Ideal 9070, Ideal 9075. MERCEDES-BENZ: 1694, 1695, 1704. YANMAR: 1050.D, BT, BTD, Serie 1000.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.042, 9.000.083.059. CASE: E157580. MAXION: 74045. VALMET: 8700500. YANMAR: BT2277010.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.14 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.



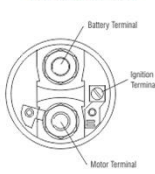
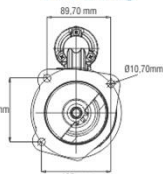
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.102.20

12V (R) 3,0kW JF

APLICAÇÃO /USED ON:

MASSEY FERGUSON: MF 275, MF 275/4, MF 283, MF 290, MF 290/4, MF 292, MF 292/4.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.058.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 631 Relé de Partida/ Starter Relay.
ZM 89.120.15 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.127.01 Carcaça Polar/ Polar Yoke.
ZM 83.531.01 Induzido/ Armature.



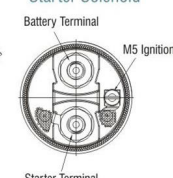
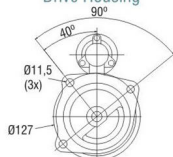
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.103.01

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 636 Relé de Partida/ Starter Relay.
ZM 89.120.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.



ZM 80.103.02

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 1621 LG, OH 1623 LG, OH-1318.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

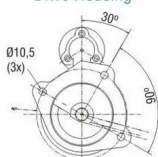
ZM 637 Relé de Partida/ Starter Relay.
ZM 89.120.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.

Starter Drive

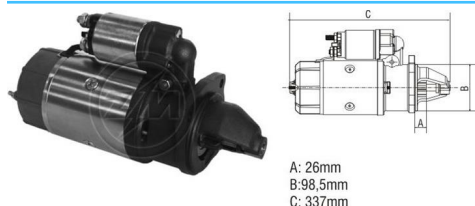
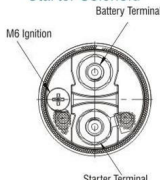


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.103.03

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

FORD: Cargo 1618, Ônibus B 1618, Ônibus B 1621. VOLKSWAGEN: 16.180, 16.210, 17.210, 17.240 OT, L 80, Ônibus B 16-180.

SUBSTITUI /REPLACE:

BOSCH: 9.000.453.079. FORD: TAR-911023. MWM: 9 0572 01 0 080. PRESTOLITE: 35259440. VOLKSWAGEN: TAR-911023.

COMPONENTES APLICADOS / PARTS APPLIED:

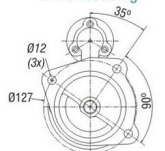
ZM 636 Relé de Partida/ Starter Relay.
ZM 89.120.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.

Starter Drive

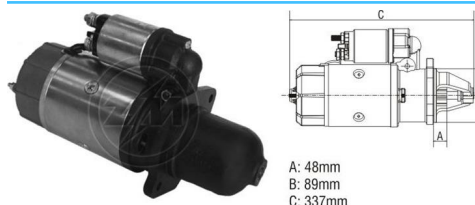
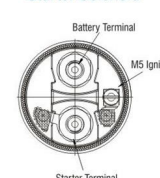


Teeth (T): 10
O.D.: 37,8mm

Drive Housing



Starter Solenoid



ZM 80.103.04

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

CASE: W 18D, W 18E, W 20E. EL DETALLE: OA 101. MERCEDES-BENZ: L 1217, L-1214, L-1218, L-1418, L-1618.

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: O 031 511 301, 3 431 517 201, A 3 431 517 201. VOLVO: 12709015.

COMPONENTES APLICADOS / PARTS APPLIED:

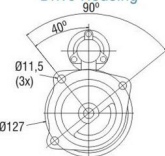
ZM 9-636 Relé de Partida/ Starter Relay.
ZM 89.120.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.

Starter Drive

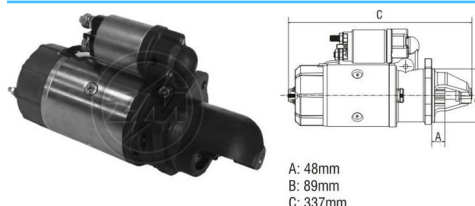
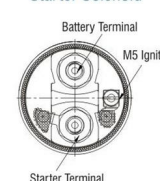


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid



ZM 80.103.05

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 1621 LG, OH 1623 LG, OH-1318.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 9-637 Relé de Partida/ Starter Relay.
ZM 89.120.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.

Starter Drive

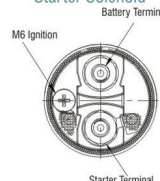


Teeth (T): 9
O.D.: 34,8mm

Drive Housing



Starter Solenoid





ZM 80.103.06

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

FORD: Cargo 1618, Ônibus B 1618, Ônibus B 1621. VOLKSWAGEN: 16.180, 16.210, 17.210, 17.240 OT, L 80, Ônibus B 16-180.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 9-636 Relé de Partida/ Starter Relay.
ZM 89.120.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.

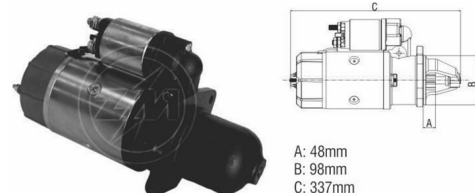
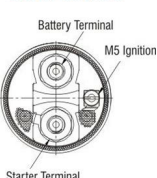
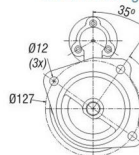
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.103.07

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 9-636 Relé de Partida/ Starter Relay.
ZM 89.120.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.

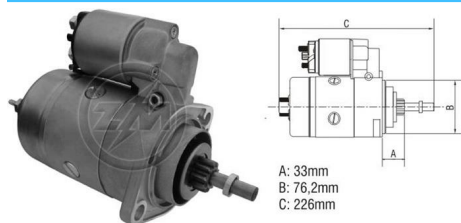
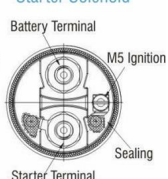
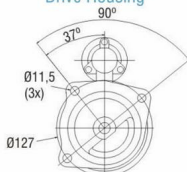
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.106.01

12V (L) 0,80kW EF

APLICAÇÃO /USED ON:

GURGEL: BR 800, Tocantins. VOLKSWAGEN: Brasília, Fusca, Gol, Karman Ghia, Kombi, SP-1, SP-2, Saveiro, Variant.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 879 Relé de Partida/ Starter Relay.
ZM 89.160.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.165.00 Mancal Coletor/ C.E. Housing.
ZM 89.167.02 Carcaça Polar/ Polar Yoke.

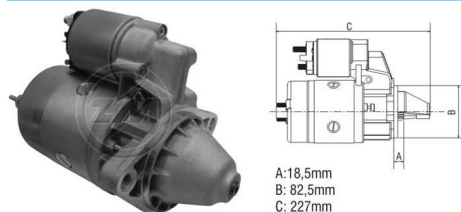
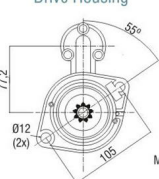
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25,8mm



ZM 80.106.02

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 872 Relé de Partida/ Starter Relay.
ZM 89.160.04 Mancal de Acionamento/ D.E. Housing.
ZM 89.165.00 Mancal Coletor/ C.E. Housing.
ZM 89.167.00 Carcaça Polar/ Polar Yoke.
ZM 83.571.30 Induzido/ Armature.

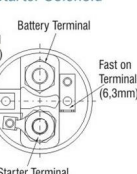
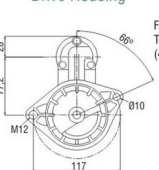
Starter Drive

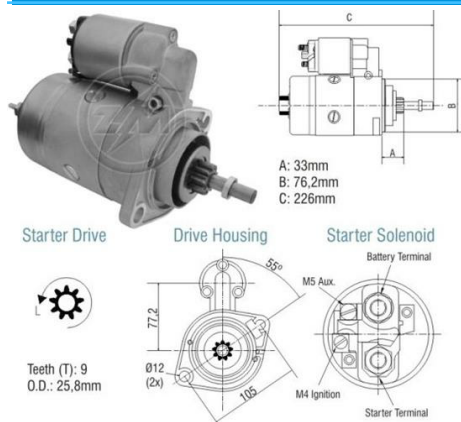
Drive Housing

Starter Solenoid



Teeth (T): 9
O.D.: 25,8mm





ZM 80.106.07

12V (L) 0,80kW EF

APLICAÇÃO /USED ON:

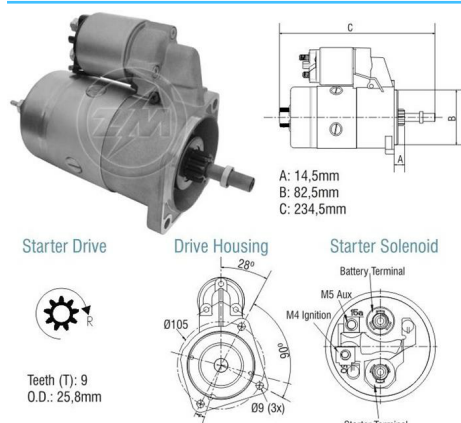
GURGEL: BR 800, Tocantins. VOLKSWAGEN: Brasília, Fusca, GR1600, Gol, Karman Ghia, Kombi, Transporter, Variant.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 571 Relé de Partida/ Starter Relay.
ZM 89.160.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.165.00 Mancal Coletor/ C.E. Housing.
ZM 89.167.02 Carcaça Polar/ Polar Yoke.



ZM 80.106.08

12V (R) 0,80kW EF

APLICAÇÃO /USED ON:

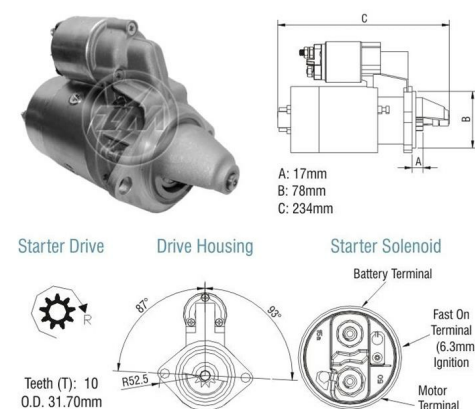
FORD: Pampa. VOLKSWAGEN: Gol, Parati, Passat, Saveiro, Voyage.

SUBSTITUI /REPLACE:

BOSCH: 9.000.082.045, 9.009.082.030, 9.009.451.011. FORD: ZBA9-11023-A. VOLKSWAGEN: 622679, ZBA9-11023-A.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 571 Relé de Partida/ Starter Relay.
ZM 89.160.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.165.00 Mancal Coletor/ C.E. Housing.
ZM 89.167.01 Carcaça Polar/ Polar Yoke.



ZM 80.106.21

12V (R) 0,90kW EF

APLICAÇÃO /USED ON:

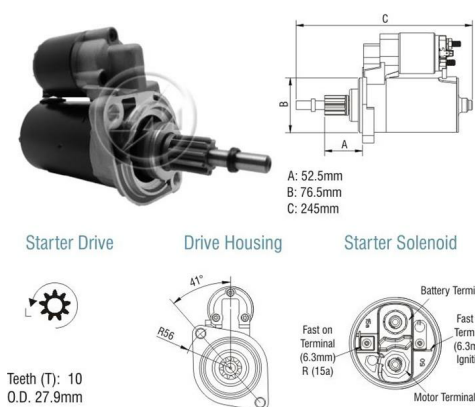
HYSTER: Empilhadeira. YALE: Empilhadeira.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 873 Relé de Partida/ Starter Relay.
ZM 89.160.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.165.00 Mancal Coletor/ C.E. Housing.
ZM 89.167.04 Carcaça Polar/ Polar Yoke.
ZM 83.571.02 Induzido/ Armature.



ZM 80.110.01

12V (L) 1,1kW DW

APLICAÇÃO /USED ON:

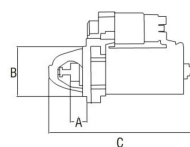
FORD: Escort, Verona. VOLKSWAGEN: Caddy, Inca, Logus, Pointer, Polo Classic, Van.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 773 Relé de Partida/ Starter Relay.
ZM 89.100.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.105.00 Mancal Coletor/ C.E. Housing.
ZM 89.107.00 Carcaça Polar/ Polar Yoke.
ZM 83.571.07 Induzido/ Armature.



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

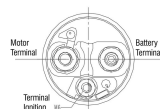
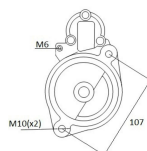
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 26.5mm



ZM 80.110.02

12V (R) 2.2kW DW

APLICAÇÃO /USED ON:

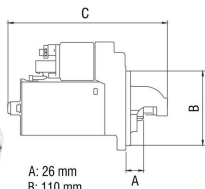
MERCEDES-BENZ: 108, 109, 110, 111, 112, 115, 190, 208, 209, 210, 211, 212, 213, 216, 260, 280, 300, 308, 309, 310, 311, 312, 313, 316, 320, 408, 410, 411, 413, 416, 509, 616, Accelo, Accelo 715 C, C, C-Class, C220, CLK-Class, E, E-Class, E220, E250, G, M-Class, ML, S-Class, SL-Class, Sprinter, UX, Unimog U, V-Class, Vario, Viano, Vito. SSANGYONG: Korando, Musso.

SUBSTITUI /REPLACE:

BOSCH: 0.001.109.014, 0.001.109.036, 0.001.109.250, 0.001.110.112, 0.001.218.162, 0.001.218.760, 0.001.223.005. MERCEDES-BENZ: 004 151 63 01, 004 151 67 01, 004 151 71 01, 004 151 89 01, 004 151 92 01, 004 151 97 01, 004 154 63 01, 004 154 67 01, 004 154 71 01, 005 151 13 01, 005 151 66 01, 007 151 89 01, 007 151 92 01.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-371 Relé de Partida/ Starter Relay.
ZM 89.100.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.105.01 Mancal Coletor/ C.E. Housing.
ZM 89.107.01 Carcaça Polar/ Polar Yoke.
ZM 83.381.01 Induzido/ Armature.



A: 26 mm
B: 110 mm
C: 329 mm

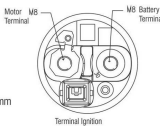
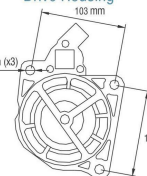
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 36.4 mm



ZM 80.110.03

12V (R) 2.0kW DW

APLICAÇÃO /USED ON:

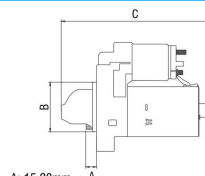
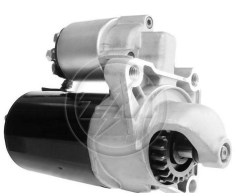
GM-CHEVROLET: Blazer, S10. MWM: MWM.

SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.107.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-972 Relé de Partida/ Starter Relay.
ZM 89.100.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.107.02 Carcaça Polar/ Polar Yoke.



A: 15,20mm
B: 71,70mm
C: 210,00mm

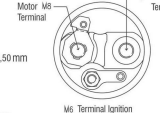
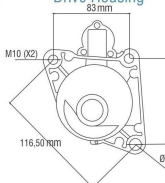
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 21
O.D. 49.70 mm



ZM 80.110.04

12V (R) 1.1kW DW

APLICAÇÃO /USED ON:

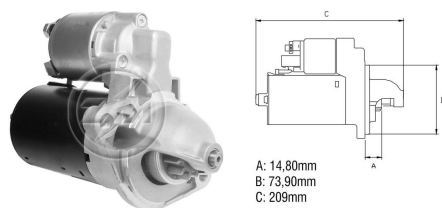
FORD: Courier, Escort, Fiesta, Ka. MAZDA: 121.

SUBSTITUI /REPLACE:

BOSCH: 0.001.107.059, 0.001.107.082.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 371 Relé de Partida/ Starter Relay.
ZM 83.571.18 Induzido/ Armature.



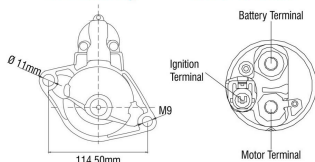
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 11
O.D. 35,40mm



ZM 80.110.06

12V (R) 1.1kW DW

APLICAÇÃO /USED ON:

TOYOTA: Corolla.

SUBSTITUI /REPLACE:

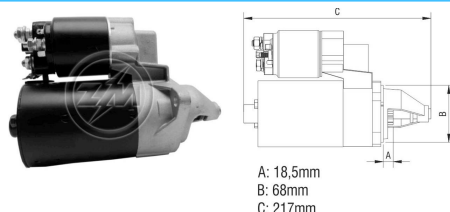
BOSCH: F.000.AL0.106. TOYOTA: 28100-0D100.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-978 Relé de Partida/ Starter Relay.

ZM 89.205.00 Mancal Coletor/ C.E. Housing.

ZM 89.207.00 Carcaça Polar/ Polar Yoke.



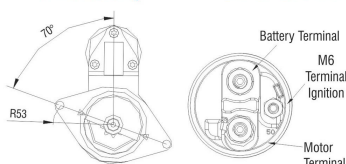
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 25,8mm



ZM 80.115.01

12V (R) 0,9kW DM

APLICAÇÃO /USED ON:

GM-CHEVROLET: Agile, Celta, Classic, Corsa, Meriva, Montana, Tigra.

SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.304. GM: 93288991.

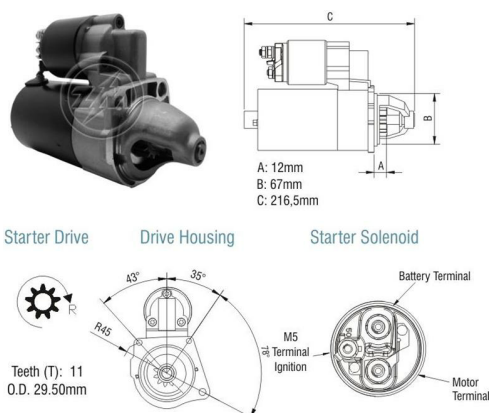
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-775 Relé de Partida/ Starter Relay.

ZM 89.150.00 Mancal de Acionamento/ D.E. Housing.

ZM 89.155.00 Mancal Coletor/ C.E. Housing.

ZM 89.157.00 Carcaça Polar/ Polar Yoke.



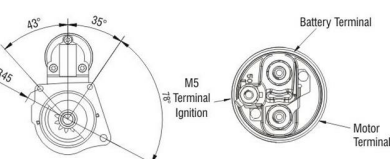
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 11
O.D. 29,50mm



ZM 80.115.02

12V (R) 0,8kW DM

APLICAÇÃO /USED ON:

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

SUBSTITUI /REPLACE:

BOSCH: 9.000.081.009, F.000.AL0.300. FIAT: 465 217 860, 46521786, 46521787, 50008582. LANCIA: 46521786.

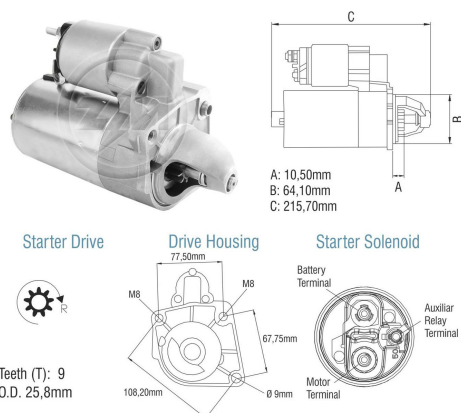
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 974 Relé de Partida/ Starter Relay.

ZM 89.150.01 Mancal de Acionamento/ D.E. Housing.

ZM 89.157.01 Carcaça Polar/ Polar Yoke.

ZM 83.571.12 Induzido/ Armature.



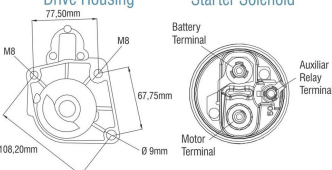
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 25,8mm



ZM 80.115.03

12V (R) 0,8kW DM

APLICAÇÃO /USED ON:

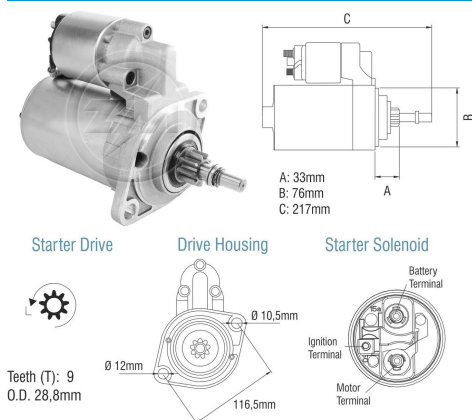
FIAT: Fiorino, Palio, Palio Weekend, Siena, Strada, Uno.

SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.309.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-974 Relé de Partida/ Starter Relay.



ZM 80.115.05

12V (L) 0,8kW DM

APLICAÇÃO /USED ON:

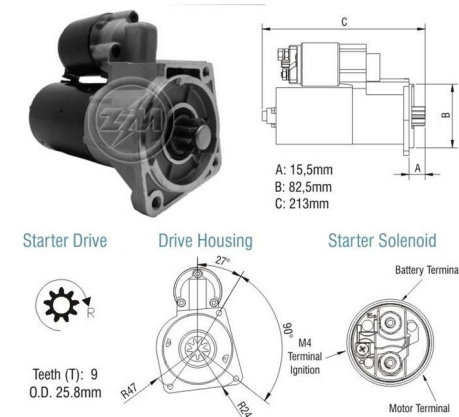
VOLKSWAGEN: Fusca, Kombi.

SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.306, F.000.AL0.329.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 879 Relé de Partida/ Starter Relay.
ZM 89.157.02 Carcaça Polar/ Polar Yoke.



ZM 80.120.01

12V (R) 1,1kW DB

APLICAÇÃO /USED ON:

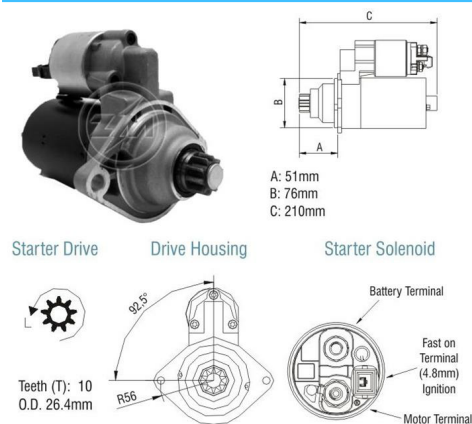
VOLKSWAGEN: Gol, Parati, Quantum, Santana, Saveiro, Voyage.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 971 Relé de Partida/ Starter Relay.
ZM 89.200.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.205.00 Mancal Coletor/ C.E. Housing.
ZM 89.207.00 Carcaça Polar/ Polar Yoke.



ZM 80.125.01

12V (L) 0,9kW DA

APLICAÇÃO /USED ON:

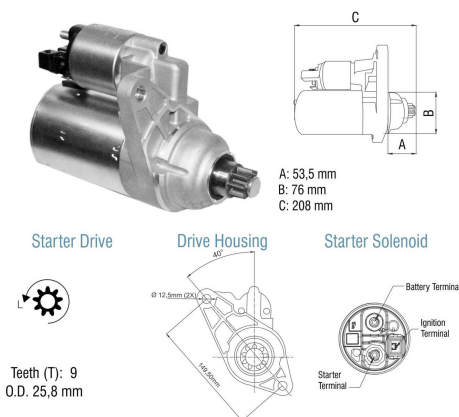
VOLKSWAGEN: Gol, Parati.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-972 Relé de Partida/ Starter Relay.
ZM 89.250.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.255.00 Mancal Coletor/ C.E. Housing.
ZM 89.257.00 Carcaça Polar/ Polar Yoke.



ZM 80.125.02

12V (L) 0,9kW DA

APLICAÇÃO /USED ON:

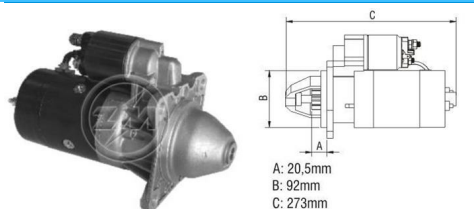
VOLKSWAGEN: CrossFox, Fox, Gol, Golf, Polo, Polo Sedan, Saveiro, SpaceFox, Voyage.

SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.402, F.000.AL0.415. VALEO: 438179, D7ES6. VOLKSWAGEN: 02T911023Q.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 972 Relé de Partida/ Starter Relay.
ZM 89.250.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.255.00 Mancal Coletor/ C.E. Housing.
ZM 89.257.01 Carcaça Polar/ Polar Yoke.
ZM 83.571.04 Induzido/ Armature.



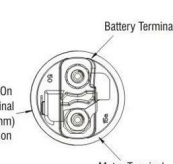
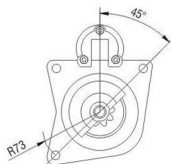
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 36.8mm



ZM 80.130.01

12V (R) 2,2kW EV

APLICAÇÃO /USED ON:

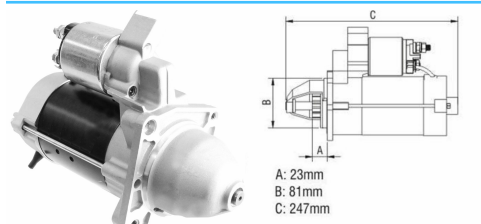
LAND ROVER / ROVER GROUP: Land Rover 110, Land Rover Defender 110, Land Rover Defender 130, Land Rover Defender 90, Land Rover Discovery I. MERCEDES-BENZ: 310 D Sprinter, 312 D Sprinter, 412 D Sprinter.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 975 Relé de Partida/ Starter Relay.
ZM 89.300.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.02 Mancal Coletor/ C.E. Housing.
ZM 89.307.02 Carcaça Polar/ Polar Yoke.
ZM 83.130.01 Induzido/ Armature.



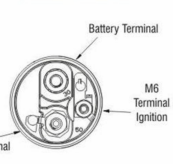
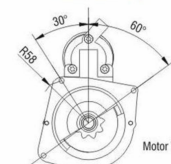
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 35.50mm



ZM 80.130.02

12V (R) 2,3kW EV

APLICAÇÃO /USED ON:

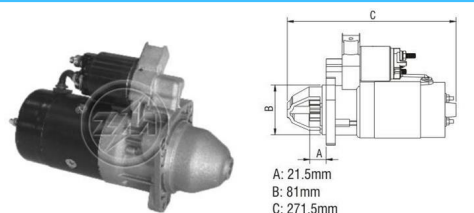
CITROËN: Jumper. FIAT: Ducato. PEUGEOT: Boxer.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-479 Relé de Partida/ Starter Relay.
ZM 89.300.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.03 Mancal Coletor/ C.E. Housing.
ZM 89.307.03 Carcaça Polar/ Polar Yoke.
ZM 83.130.05 Induzido/ Armature.



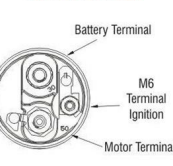
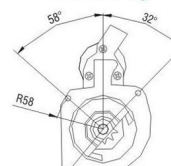
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.130.03

12V (R) 2,2kW EV

APLICAÇÃO /USED ON:

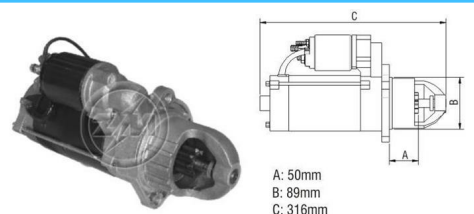
CITROËN: Jumper. FIAT: Ducato. PEUGEOT: Boxer.

SUBSTITUI /REPLACE:

BOSCH: 0.001.218.159, 0.986.017.020. CARGO: 113451. CITROËN: 5802V4. DELCO REMY: 8000032, 8000567, DRS7020. DENSO: 63521093. FIAT: 130019808. ISKRA: 11.139.443, AZE4142, IS09436. LANCIA: 130019808. MARELLI: 63114014. PEUGEOT: 5802V4. PRESTOLITE: 35259030.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 977 Relé de Partida/ Starter Relay.
ZM 89.300.04 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.04 Mancal Coletor/ C.E. Housing.
ZM 89.307.04 Carcaça Polar/ Polar Yoke.
ZM 83.130.01 Induzido/ Armature.



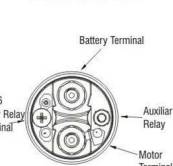
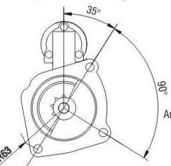
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.130.04

24V (R) 4,0kW EV

APLICAÇÃO /USED ON:

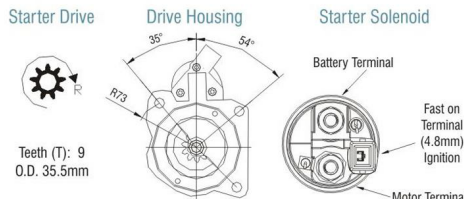
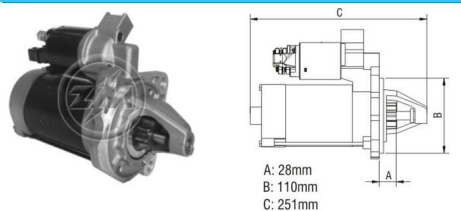
MERCEDES-BENZ: 1215, 1218, 1417, 1418, 1618, 1622, 1718, 1722, 1728, 1730, 2423, 2428, 345, 500, 530, 711, 712C, 811, 814, 817, 915, 917, Accelo, Atego, Axor, C 914, Citaro, Cito, Conecto, Econic, Integro, Intouro, L-1418, L-1618, Medio, O 500 M, O 500 R, O 500 U, Tourino, Unimog U, Vario.

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-639 Relé de Partida/ Starter Relay.
ZM 5-409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.300.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.05 Mancal Coletor/ C.E. Housing.
ZM 89.307.05 Carcaça Polar/ Polar Yoke.
ZM 83.130.02 Induzido/ Armature.



ZM 80.130.05

12V (R) 2,3kW EV

APLICAÇÃO /USED ON:

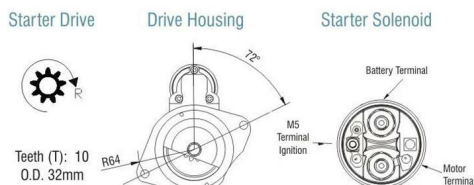
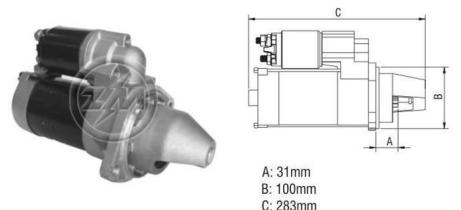
FORD: F-250. MWM: MWM.

SUBSTITUI /REPLACE:

BOSCH: 0.001.223.010. FORD: 2C35-11001-AA, XC3U-11000-BA. PRESTOLITE: 35259890.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-972 Relé de Partida/ Starter Relay.
ZM 89.300.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.01 Mancal Coletor/ C.E. Housing.
ZM 89.307.01 Carcaça Polar/ Polar Yoke.
ZM 83.130.03 Induzido/ Armature.



ZM 80.130.06

12V (R) 2,6kW EV

APLICAÇÃO /USED ON:

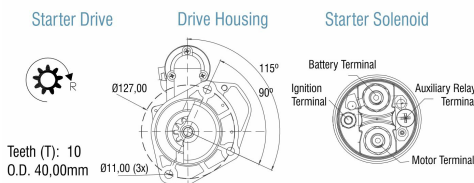
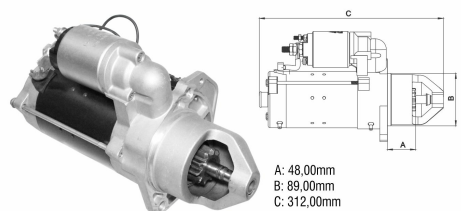
FORD: F-250, F-350, F-4000.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 735 Relé de Partida/ Starter Relay.
ZM 89.300.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.00 Mancal Coletor/ C.E. Housing.
ZM 89.307.00 Carcaça Polar/ Polar Yoke.
ZM 83.130.03 Induzido/ Armature.



ZM 80.130.08

24V (R) 4,0kW EV

APLICAÇÃO /USED ON:

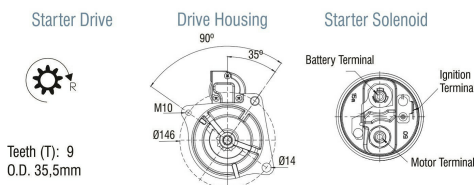
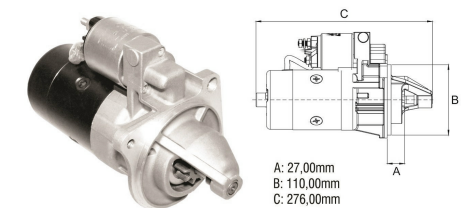
FIAT-IVECO: Eurocargo.

SUBSTITUI /REPLACE:

BOSCH: 0.001.231.016. IVECO: 4892338.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-732 Relé de Partida/ Starter Relay.
ZM 5-409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.300.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.05 Mancal Coletor/ C.E. Housing.
ZM 89.307.05 Carcaça Polar/ Polar Yoke.
ZM 83.130.02 Induzido/ Armature.



ZM 80.130.09

12V (R) 2,2kW EV

APLICAÇÃO /USED ON:

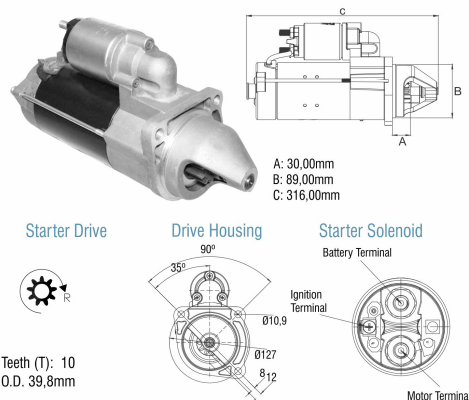
FIAT: Scudato. FIAT-IVECO: Iveco Daily.

SUBSTITUI /REPLACE:

BOSCH: 0.001.109.344, 0.001.218.174, 0.001.218.774. DAF: 1516663R. DELCO REMY: DRS7490. FIAT: 93828721. ISKRA: IS9438. IVECO: 99451753.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-976 Relé de Partida/ Starter Relay.
ZM 89.300.07 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.04 Mancal Coletor/ C.E. Housing.
ZM 89.307.04 Carcaça Polar/ Polar Yoke.



ZM 80.130.10

12V (R) 3,0kW EV

APLICAÇÃO /USED ON:

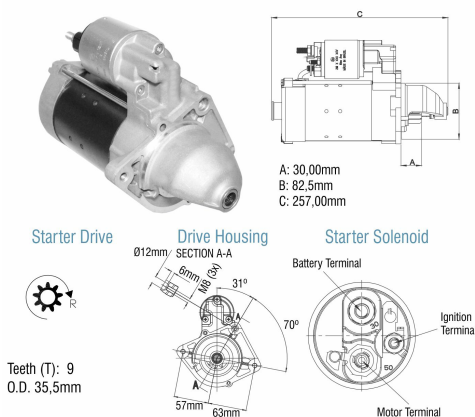
CASE: 100, 105, 1080, 1095, 110, 115, 120, 130, 145, 160, 580, 85, 90, 95.

SUBSTITUI /REPLACE:

BOSCH: 0.001.230.021. FIAT: 47132888, 4737534. ISKRA: 11.132.260, IS1109. IVECO: 504036476, 504357110, 50436476.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 8-640 Relé de Partida/ Starter Relay.
ZM 89.300.08 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.06 Manca Coletor/ C.E. Housing.
ZM 89.307.06 Carcaça Polar/ Polar Yoke.
ZM 83.130.04 Induzido/ Armature.



ZM 80.130.11

12V (R) 2,3kW EV

APLICAÇÃO /USED ON:

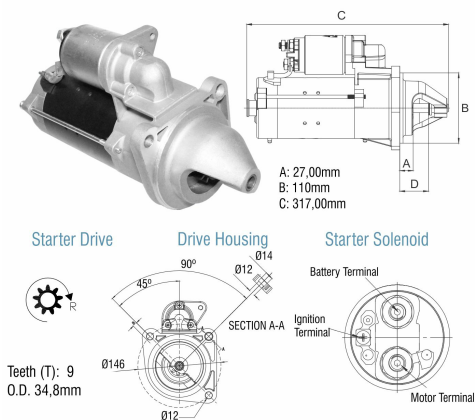
FIAT-IVECO: Daily. MITSUBISHI: Canter. RENAULT: Mascott.

SUBSTITUI /REPLACE:

BOSCH: 0.001.109.306, 0.001.109.307, 0.001.109.371, 0.001.109.375, 0.001.223.003, 0.001.223.007, 0.001.223.024. ISKRA: 11.131.560, IS1164. IVECO: 2994100, 500307724, 504086888, 504201467, 69502571. MITSUBISHI: MK666919. RENAULT: 500189990, 7700377051.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-479 Relé de Partida/ Starter Relay.
ZM 89.300.09 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.07 Manca Coletor/ C.E. Housing.
ZM 89.307.07 Carcaça Polar/ Polar Yoke.



ZM 80.130.12

24V (R) 4,0kW EV

APLICAÇÃO /USED ON:

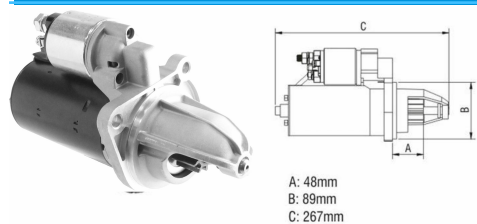
FIAT-IVECO: Eurocargo.

SUBSTITUI /REPLACE:

BOSCH: 0.001.231.011. ISKRA: IS1169. IVECO: 2995104, 2997760, 500325137.

COMPONENTES APLICADOS / PARTS APPLIED:

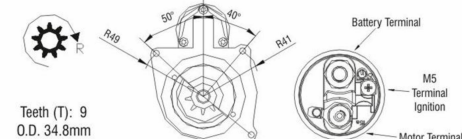
ZM 2-639 Relé de Partida/ Starter Relay.
ZM 89.300.10 Mancal de Acionamento/ D.E. Housing.
ZM 89.305.08 Manca Coletor/ C.E. Housing.
ZM 89.307.08 Carcaça Polar/ Polar Yoke.



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.132.01

12V (R) 2,2kW PDM

APLICAÇÃO /USED ON:

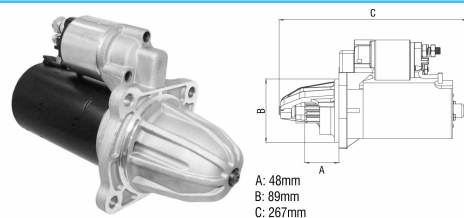
FAMSA: f 1314 C/B, f 1317 C/B, f 1321 C/B, f 1514, f 1517, f 1521. FORD-NEW HOLLAND: 8040, 8055. MERCEDES-BENZ: 1214, 1714, 1718, 1720, 1721, 1722, 1723, 2418, 709, 712, 912, 914, L 1116, L 1117, L 1217, L 1414, L 1420, L 1621, L 1717, L-1113, L-1114, L-1118, L-1214, L-1218, L-1313, L-1314, L-1316, L-1317, L-1318, L-1319, L-1418, L-1513, L-1516, L-1517, L-1518, L-1614, L-1618, L-1620, 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 365, O-362, O-364, OF 1114, OF 1314, OF 812, OF-1113, OF-1313, OH 1313, OH 1314, OH 1316. TOYOTA: Bandeirante.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.054, F.000.AL0.128, F.042.002.187. DAF: 1516704R. MERCEDES-BENZ: 3431517101. PRESTOLITE: 35259680.

COMPONENTES APLICADOS / PARTS APPLIED:

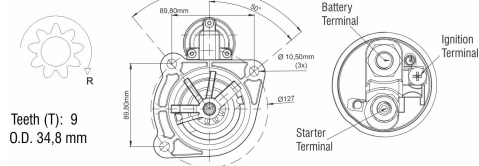
ZM 3-571 Relé de Partida/ Starter Relay.
ZM 89.320.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.327.00 Carcaça Polar/ Polar Yoke.
ZM 83.132.01 Induzido/ Armature.



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.132.02

12V (R) 2,2kW PDM

APLICAÇÃO /USED ON:

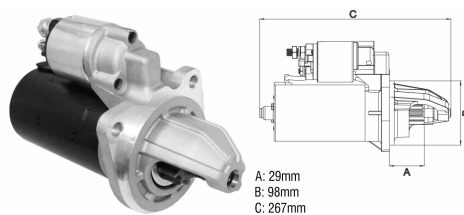
AGRALE-DEUTZ: BX 4.60, BX 60. CASE: W 18, W 20, W 20B. CBT: 1065, 1105, 2080, 2105, 8060 4x4. MERCEDES-BENZ: L 1111, L-1113, L-1313, L-1316, L-1516, L-2013, L-2016, L-2213, L-2216, L-608 D, L-610, O 365, O-362, O-364. SLC: 6200, 7200, 7700. TOYOTA: Bandeirante.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.053, F.000.AL0.136.

COMPONENTES APLICADOS / PARTS APPLIED:

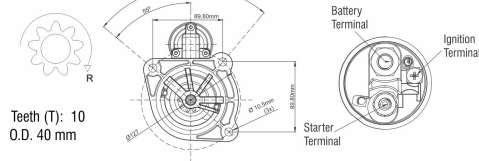
ZM 3-571 Relé de Partida/ Starter Relay.
ZM 89.320.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.327.00 Carcaça Polar/ Polar Yoke.
ZM 83.132.01 Induzido/ Armature.



Starter Drive

Drive Housing

Starter Solenoid



ZM 80.132.03

12V (R) 2,2kW PDM

APLICAÇÃO /USED ON:

CBT: 8240. GM-CHEVROLET: 11000, 12000, 13000, 14000, Bonanza, D 20, D 6000, D-40, Veraneio. MASSEY FERGUSON: MF 1630, MF 5650, MF 6845, MF 6855, MF 6865. MAXION: Ideal 9075, Ideal 9090. MERCEDES-BENZ: OF-1113, OH 1113.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.055, F.000.AL0.135.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-571 Relé de Partida/ Starter Relay.
ZM 89.320.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.327.00 Carcaça Polar/ Polar Yoke.
ZM 83.132.01 Induzido/ Armature.

ZM 80.132.04

12V (R) 2,2kW PDM

APLICAÇÃO /USED ON:

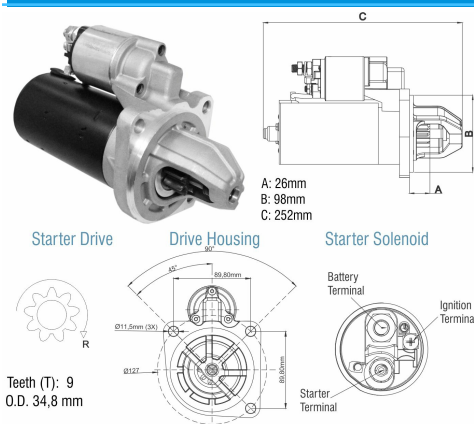
AGRALE: 5000, 7000, 7500, BX. AGRALE-DEUTZ: 6150 TD, BX 100 TD, BX 4.100 TD, BX 4.90. CASE: 80. CBT: 8440. FIATALLIS: FB 80. MASSEY FERGUSON: MF 3640. MWM: D 229-3, D 229-4, D 229-6, TD 229-6. SLC: 7700. VALMET: 110 ID, 118, 118-4, 128, 138, 138-4, 148, 62 ID, 65 ID, 68, 78, 85 ID, 88, 880, 980.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.056, F.000.AL0.137.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-571 Relé de Partida/ Starter Relay.
ZM 89.320.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.327.00 Carcaça Polar/ Polar Yoke.
ZM 83.132.01 Induzido/ Armature.



ZM 80.132.05

12V (R) 2,2kW PDM

APLICACÃO /USED ON:

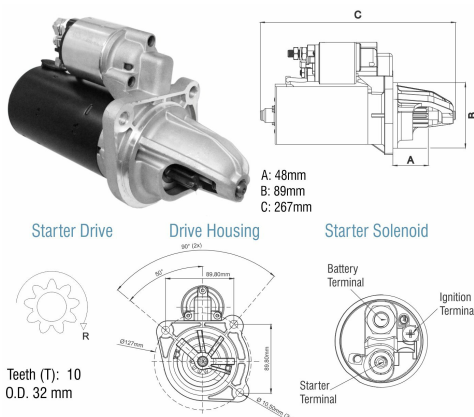
MERCEDES-BENZ: L-1116, L-1117, L-1113, L-1316, L-1317, L-1319, L-1516, LA-1113, LA-1117, LP-1419, LP-1219.

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.071, F.000.AL0.139.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-571 Relé de Partida/ Starter Relay.
ZM 89.320.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.327.00 Carcaça Polar/ Polar Yoke.
ZM 83.132.01 Induzido/ Armature.



ZM 80.132.06

12V (R) 2,2kW PDM

APLICAÇÃO /USED ON:

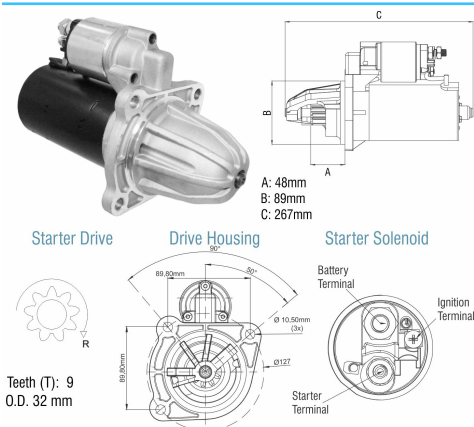
FORD: Cargo 1215, Cargo 1217, Cargo 1415, Cargo 1417, Cargo 1421, Cargo 1617, Cargo 1621, Cargo 2630, Cargo C 814, Cargo C 815, F-4000. VOLKSWAGEN: 12.170 BT, 13.170, 13.190, 14.170, 15.170, 15.190, 16.170, 16.200, 17.210.

SUBSTITUI /REPLACE:

BOSCH: 9.000.453.074, F.000.AL0.138.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-571 Relé de Partida/ Starter Relay.
ZM 89.320.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.325.00 Mancal Coletor/ C.E. Housing.
ZM 89.327.00 Carcaça Polar/ Polar Yoke.
ZM 83 132.01 Induzido/ Armature.



ZM 80.381.01

12V (R) 2,5KW R78-M55

APLICACÃO /USED ON:

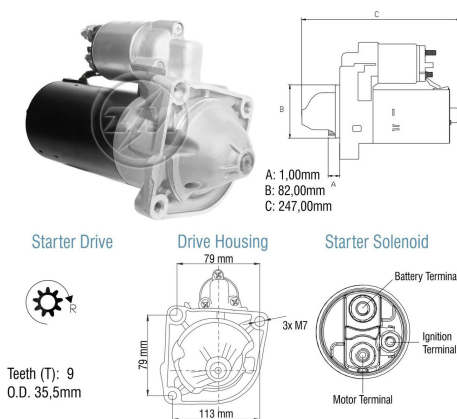
CITROËN: Jumper. FIAT: Ducato. PEUGEOT: Boxer.

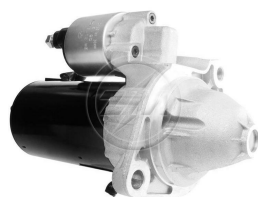
SUBSTITUI /REPLACE:

BOSCH: 0.001.109.300. DAF: 1524014R. FIAT: 1347058080, 71789529. PEUGEOT: 5802AQ.

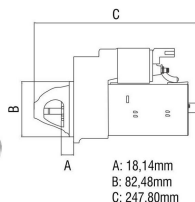
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-381 Relé de Partida/ Starter Relay.
ZM 89.180.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.105.01 Mancal Coletor/ C.E. Housing.
ZM 89.107.01 Carcaça Polar/ Polar Yoke.
ZM 83.381.01 Induzido/ Armature.





Starter Drive

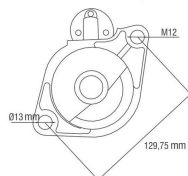


Starter Solenoid

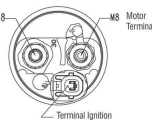
A: 18,14mm
B: 82,48mm
C: 247,80mm



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



Drive Housing



ZM 80.978.01

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

APLICAÇÃO /USED ON:

TOYOTA: Hilux.

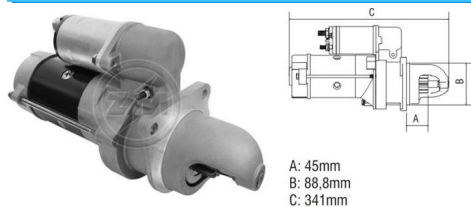
SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.111. TOYOTA: 28100-0L070, 28100-67070.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-978 Relé de Partida/ Starter Relay.

ZM 83.978.03 Induzido/ Armature.



A: 45mm
B: 88,8mm
C: 341mm

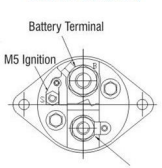
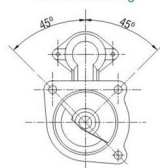
Starter Drive

Drive Housing

Starter Solenoid



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



Starter Terminal

ZM 80.280.01

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

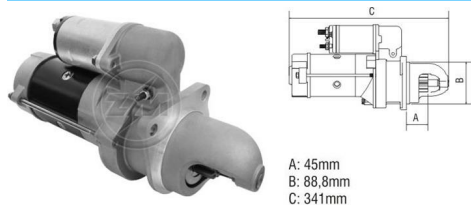
ACGO: ARG. Dicumar. CASE: 580. CUMMINS: Engines, Ingersoll Rand 110, Ingersoll Rand 125, Ingersoll Rand 95, Timberjack. DELCO REMY: 28MT Starter Motor Series.

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 805 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.



A: 45mm
B: 88,8mm
C: 341mm

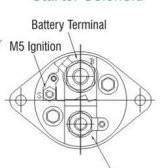
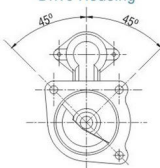
Starter Drive

Drive Housing

Starter Solenoid



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



Starter Terminal

ZM 80.280.02

24V (R) 3,96kW 28MT

APLICAÇÃO /USED ON:

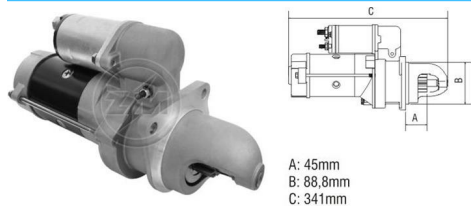
CUMMINS: Engines, Timberjack. DELCO REMY: 28MT Starter Motor Series. KOMATSU: PC 200.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 810 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.01 Carcaça Polar/ Polar Yoke.
ZM 83.805.01 Induzido/ Armature.



A: 45mm
B: 88,8mm
C: 341mm

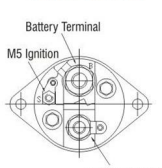
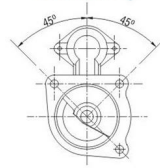
Starter Drive

Drive Housing

Starter Solenoid



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



Starter Terminal

ZM 80.280.03

24V (R) 3,96kW 28MT

APLICAÇÃO /USED ON:

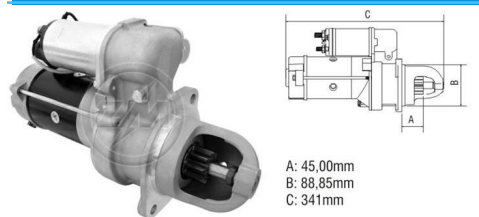
DELCO REMY: 28MT Starter Motor Series. FIATALLIS: Grader.

SUBSTITUI /REPLACE:

CASE: 75323042. DELCO REMY: 10461461, 10479605. LESTER: 6594. NEW HOLLAND: 75323042. PIC: 140-903.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 810 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.01 Carcaça Polar/ Polar Yoke.
ZM 83.805.01 Induzido/ Armature.



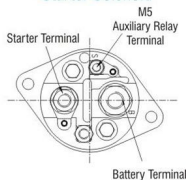
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.04

24V (R) 3,96kW 28MT

APLICAÇÃO /USED ON:

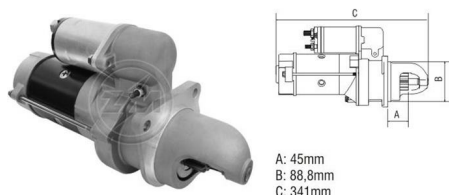
DELCO REMY: 28MT Starter Motor Series. MERCEDES-BENZ: 1215, 1218, 1218L, 1418, 1418L, 1419, 1718, 1722, 1725, 2423, 2428, 712C, 714C, 715, 915C, Accelo, Atego, Atego 2, Axor, C 914, Citaro, Cito, Conecto, Econic, L-1418 E, L-1620, LK/LN2, LO-914, O 500 M, O 500 U, OF-1417, Unimog, Vario.

SUBSTITUI /REPLACE:

CHRYSLER: A 005 151 2201. 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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 815 Relé de Partida/ Starter Relay.
ZM 2-409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.800.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.02 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.01 Mancal Coletor/ C.E. Housing.
ZM 89.807.01 Carcaça Polar/ Polar Yoke.
ZM 83.805.01 Induzido/ Armature.



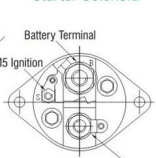
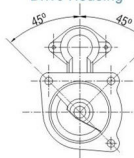
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.05

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

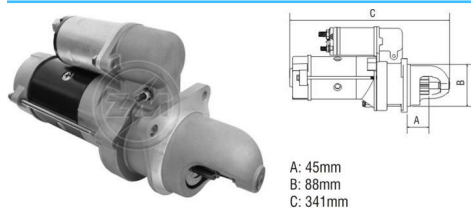
DELCO REMY: 28MT Starter Motor Series. MERCEDES-BENZ: 1418, 1620, 1720, LO-814.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 805 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.00 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.



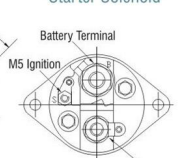
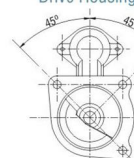
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.06

24V (R) 3,96kW 28MT

APLICAÇÃO /USED ON:

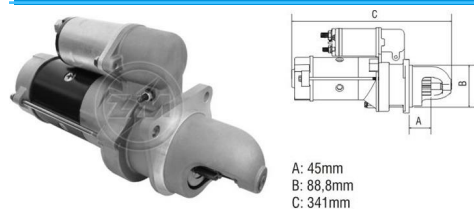
DELCO REMY: 28MT Starter Motor Series. MERCEDES-BENZ: OF-1721, OH 1621L, OH-1420, OH-1623.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 810 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.00 Mancal Coletor/ C.E. Housing.
ZM 89.807.01 Carcaça Polar/ Polar Yoke.
ZM 83.805.01 Induzido/ Armature.



ZM 80.280.07

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

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

SUBSTITUI /REPLACE:

CUMMINS: 3936148. DELCO REMY: 10479640, 10479643.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 807 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.

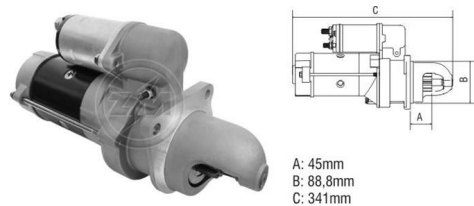
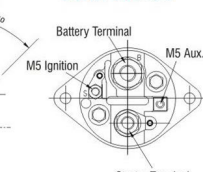
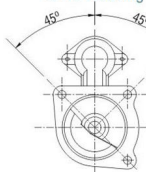
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.08

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.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 810 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.01 Carcaça Polar/ Polar Yoke.
ZM 83.805.01 Induzido/ Armature.

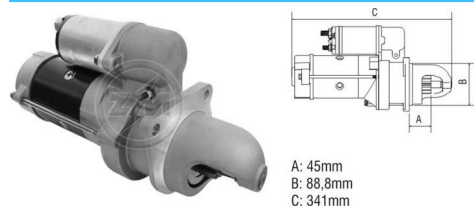
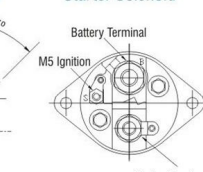
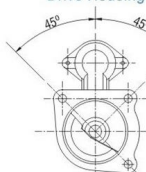
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.09

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

DELCO REMY: 28MT Starter Motor Series. DIVERSAS / VARIOUS: 4800, 4900, Geradores Industriais. HYSTER: H-280.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 805 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.

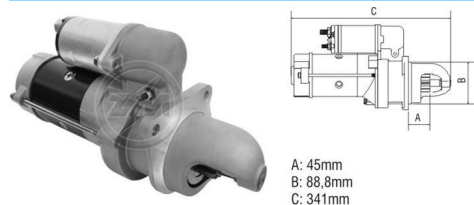
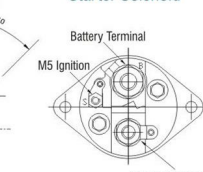
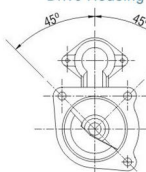
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.10

24V (R) 3,96kW 28MT

APLICAÇÃO /USED ON:

FIATALLIS: FD 170.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 810 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.01 Carcaça Polar/ Polar Yoke.
ZM 83.805.01 Induzido/ Armature.

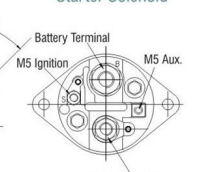
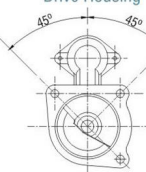
Starter Drive

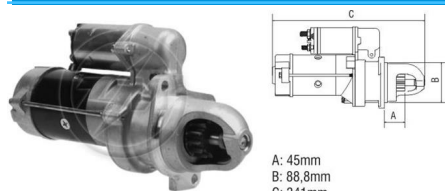
Drive Housing

Starter Solenoid



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





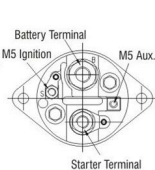
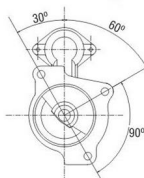
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.11

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

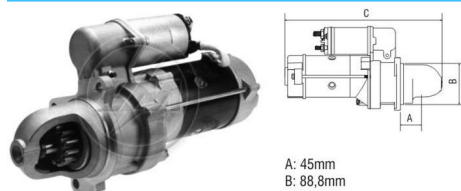
BOBCAT: Articulated Loaders, Skid Steer Loaders. DELCO REMY: 28MT Starter Motor Series.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 805 Relé de Partida/ Starter Relay.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.



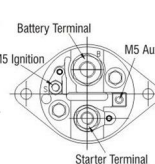
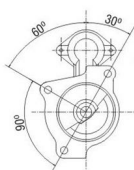
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.12

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

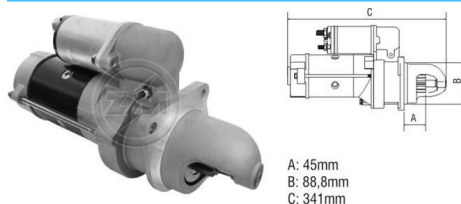
BOBCAT: Skid Steer Loaders. DELCO REMY: 28MT Starter Motor Series. MASSEY FERGUSON: Agco.

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 FERGUSON: 1903103M91, 1903117M91, 517533M93, 579937M91. PIC: 140-924.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 805 Relé de Partida/ Starter Relay.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.



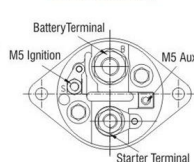
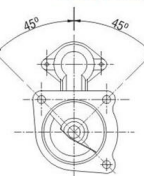
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.280.13

12V (R) 2,9kW 28MT

APLICAÇÃO /USED ON:

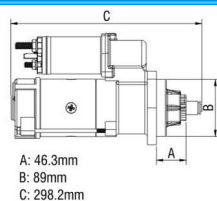
DELCO REMY: 28MT Starter Motor Series. FORD: F12000, F14000.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 807 Relé de Partida/ Starter Relay.
ZM 89.800.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.804.00 Flange do Eixo do Impulsor/D.E. Axis Bracket.
ZM 89.804.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.805.02 Mancal Coletor/ C.E. Housing.
ZM 89.807.00 Carcaça Polar/ Polar Yoke.
ZM 83.805.02 Induzido/ Armature.



A: 46.3mm
B: 89mm
C: 298.2mm

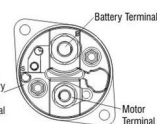
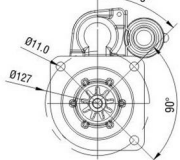
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 36.0mm



ZM 80.290.01

12V (R) 3,3kW 29MT

APLICAÇÃO /USED ON:

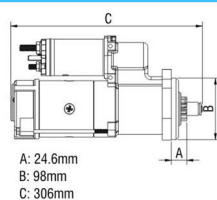
DELCO REMY: 29MT Starter Motor Series. MERCEDES-BENZ: 1418R, 1720, 1720 K, 710, E 712, L-1620, LO-712, LO-812, LO-814.

SUBSTITUI /REPLACE:

DELCO REMY: 10479651, 8200003, 8200295, 8200511. MERCEDES-BENZ: A 005 151 8301, A 376 151 0201, A 376 151 0401.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 818 Relé de Partida/ Starter Relay.
ZM 3-407 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.00 Mancal Coletor/ C.E. Housing.
ZM 89.907.00 Carcaça Polar/ Polar Yoke.
ZM 83.818.02 Induzido/ Armature.



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

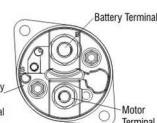
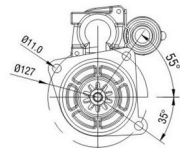
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.290.02

12V (R) 3,3kW 29MT

APLICAÇÃO /USED ON:

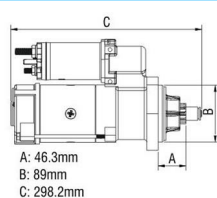
AGRALE: Caminhão, Furgovan, Ônibus. DELCO REMY: 29MT Starter Motor Series. VOLKSWAGEN: 13.180, 17.180, 8-120 OD, 8-150, 8.120, 9.150.

SUBSTITUI /REPLACE:

DELCO REMY: 8200326, 8200849. MWM: 905720100093, 905720100111. PRESTOLITE: 35259430, 35259760, 35261360. VOLKSWAGEN: 2RS.911.023.E.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 818 Relé de Partida/ Starter Relay.
ZM 2-407 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.01 Mancal Coletor/ C.E. Housing.
ZM 89.907.00 Carcaça Polar/ Polar Yoke.
ZM 83.818.02 Induzido/ Armature.



A: 46.3mm
B: 89mm
C: 298.2mm

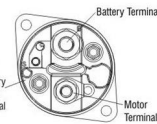
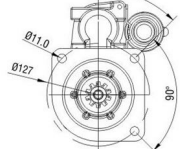
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32.0mm



ZM 80.290.03

12V (R) 3,3kW 29MT

APLICAÇÃO /USED ON:

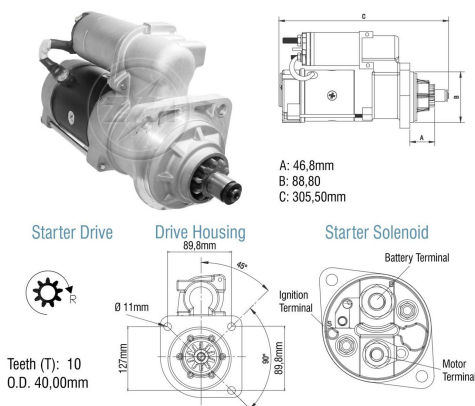
DELCO REMY: 29MT Starter Motor Series. FORD: Cargo 1317e, Cargo 1517e, Cargo 1717e, Cargo 1722 E, Cargo 2422e, Cargo 2428e, Cargo 2622e, Cargo 2628e, Cargo 815e. VOLKSWAGEN: 15.190, 17.250, 24.250, 8-150.

SUBSTITUI /REPLACE:

DELCO REMY: 8200331, 8200478. FORD: 4C45-11001-BB, 7C45-11001-AA. PRESTOLITE: 35261120. VOLKSWAGEN: 2R0.911.023.B.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 818 Relé de Partida/ Starter Relay.
ZM 2-407 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.01 Mancal Coletor/ C.E. Housing.
ZM 89.907.00 Carcaça Polar/ Polar Yoke.
ZM 83.818.02 Induzido/ Armature.



ZM 80.290.04

12V (R) 3,3kW 29MT

APLICAÇÃO /USED ON:

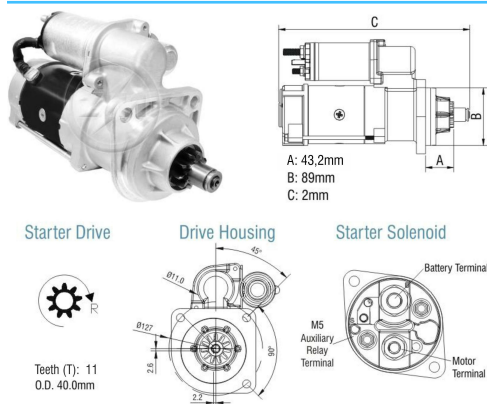
VOLKSWAGEN: Man Delivery.

SUBSTITUI /REPLACE:

DELCO REMY: 8200400. MAN: 2P0.911.023B.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 818 Relé de Partida/ Starter Relay.
ZM 89.900.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.01 Mancal Coletor/ C.E. Housing.
ZM 89.907.00 Carcaça Polar/ Polar Yoke.
ZM 83.818.02 Induzido/ Armature.



ZM 80.291.01

24V (R) 4,0kW 29MT

APLICAÇÃO /USED ON:

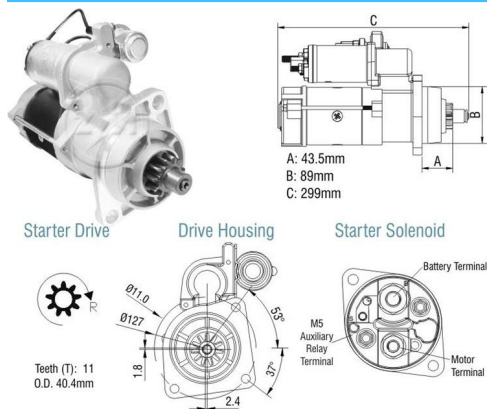
DELCO REMY: 29MT Starter Motor Series. MERCEDES-BENZ: 1720, OF-1721, OH 1621L, OH-1420, OH-1623.

SUBSTITUI /REPLACE:

DELCO REMY: 10479652, 8200004, 8200296, 8200512. MERCEDES-BENZ: A 005 151 8501, A 005 151 8502, A 376 151 0301, A 376 151 0501.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-818 Relé de Partida/ Starter Relay.
ZM 409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.00 Mancal Coletor/ C.E. Housing.
ZM 89.907.01 Carcaça Polar/ Polar Yoke.
ZM 83.818.01 Induzido/ Armature.



ZM 80.291.02

24V (R) 4,0kW 29MT

APLICAÇÃO /USED ON:

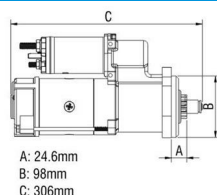
DELCO REMY: 29MT Starter Motor Series. MERCEDES-BENZ: 1215, 1218EL, 1218L, 1418L, 1718, 1725, 2423, 2428, 712C, 714C, 715, 915C, Atego, Axor, L-1318, L-1418 E, L-1620, LO-914, O 500 M, O 500 R, O 500 U, OF 1518, OF-1417, OF-1418, OF-1721, OF-1722.

SUBSTITUI /REPLACE:

BOSCH: 0.001.231.033. DELCO REMY: 10479626, 10479650, 8200138, 8200297, 82010297. MERCEDES-BENZ: A 005 151 2201, A 006 151 2101, A 006 151 6701. MITSUBISHI: M009T65271, M9T65271.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-818 Relé de Partida/ Starter Relay.
ZM 409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.04 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.02 Mancal Coletor/ C.E. Housing.
ZM 89.907.01 Carcaça Polar/ Polar Yoke.
ZM 83.818.01 Induzido/ Armature.



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

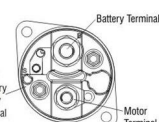
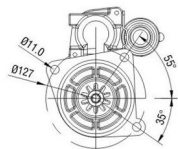
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.291.03

24V (R) 4,0kW 29MT

APLICAÇÃO /USED ON:

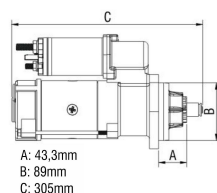
AGRALE: 13000 E, Volare, Ônibus. DELCO REMY: 29MT Starter Motor Series. FIAT-IVECO: Iveco Daily. MARCOPOLLO: Volare. VOLKSWAGEN: 13.180, 15.180, 15.190, 17.210, 17.230, 17.260, 26.260, 31.260E, 8-150, 9.150. VOLVO: VM 210, VM 260, VM 310.

SUBSTITUI /REPLACE:

DELCO REMY: 8200357, 8200850. MITSUBISHI: M9T62571, M9T62572 ZA. MWM: 7001643C1. PRESTOLITE: 35259440, 35259770, 35261990, 35262170. VOLKSWAGEN: 2R0.911.023C, 2S0.911.023.A.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-818 Relé de Partida/ Starter Relay.
ZM 409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.01 Mancal Coletor/ C.E. Housing.
ZM 89.907.01 Carcaça Polar/ Polar Yoke.
ZM 83.818.01 Induzido/ Armature.



A: 43.3mm
B: 89mm
C: 305mm

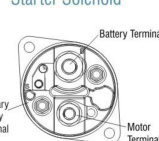
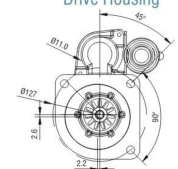
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.291.04

24V (R) 4,0kW 29MT

APLICAÇÃO /USED ON:

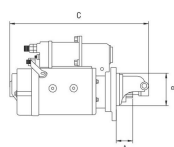
DELCO REMY: 29MT Starter Motor Series. FORD: C-1729, C 2423, C 2429, C 2623, C 2629, C 816, C-1119, C-1319, C-1517, C-1519, C-1719, C-1723. VOLKSWAGEN: 10-150, 13.180, 15.190, 17.250, 24.250, 8-150, 9.150.

SUBSTITUI /REPLACE:

BOSCH: F.002.G20.904. DELCO REMY: 8200474. FORD: BC-4511001-BA. VOLKSWAGEN: 2T2.911.023.A.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-818 Relé de Partida/ Starter Relay.
ZM 409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.900.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.905.01 Mancal Coletor/ C.E. Housing.
ZM 89.907.01 Carcaça Polar/ Polar Yoke.
ZM 83.818.01 Induzido/ Armature.



A: 47mm
B: 92mm
C: 432mm

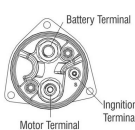
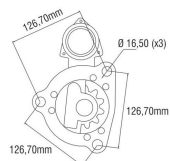
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.450.01

12V (R) 4,48 KW 37MT

APLICAÇÃO /USED ON:

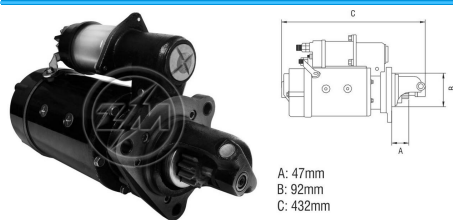
CATERPILLAR: 3114, 3116, 3176. FORD: Cargo 1622, Cargo 1630, Cargo 2422, Cargo 2425, Cargo 2622, Cargo 2626, Cargo 2630, Cargo 2631, Cargo 3222, Cargo 4030. VOLKSWAGEN: 17.220, 17.310, 23.210, 23.220, 23.310, 24.220, 26.220, 26.260, 26.310.

SUBSTITUI /REPLACE:

DELCO REMY: 1993874. FORD: 96HU-11001-AA. VOLKSWAGEN: TF3.911.023.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 352 Relé de Partida/ Starter Relay.
ZM 89.700.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.704.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.705.01 Mancal Coletor/ C.E. Housing.
ZM 89.707.01 Carcaça Polar/ Polar Yoke.
ZM 83.450.01 Induzido/ Armature.



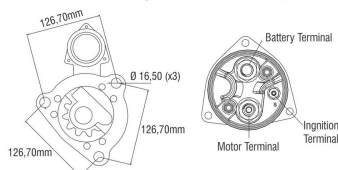
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.450.02

24V (R) 7,46 KW 37MT

APLICAÇÃO /USED ON:

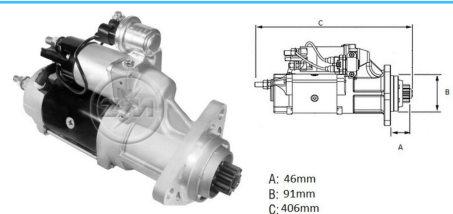
VOLKSWAGEN: 18.310 Titan Tractor.

SUBSTITUI /REPLACE:

DELCO REMY: 10479302. MAN: 2T0.911.023.B.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 360 Relé de Partida/ Starter Relay.
ZM 89.700.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.704.01 Mancal Intermediário/ Intermediate Housing.
ZM 89.705.01 Mancal Coletor/ C.E. Housing.
ZM 89.707.02 Carcaça Polar/ Polar Yoke.
ZM 83.450.02 Induzido/ Armature.



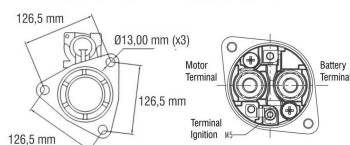
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.380.01

24V (R) 6,0kW 38MT

APLICAÇÃO /USED ON:

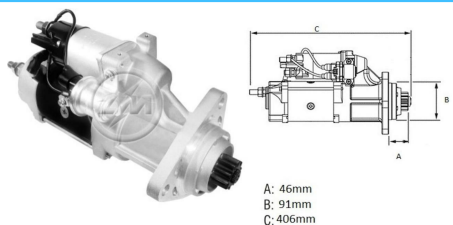
VOLKSWAGEN: 17.320 E, 18.310 Constellation, 18.310 Titan Tractor, 18.320 EVO, 19.320 Constellation, 19.360 E, 19.370, 24.320 E, 25.320 E, 25.370, 25.370 E, 31.370, Constellation 31.320, Titan.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-840 Relé de Partida/ Starter Relay.
ZM 1-409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.380.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.385.00 Mancal Coletor/ C.E. Housing.
ZM 89.387.01 Carcaça Polar/ Polar Yoke.
ZM 83.840.04 Induzido/ Armature.



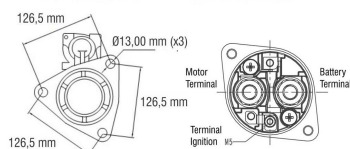
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.380.02

24V (R) 6,0kW 38MT

APLICAÇÃO /USED ON:

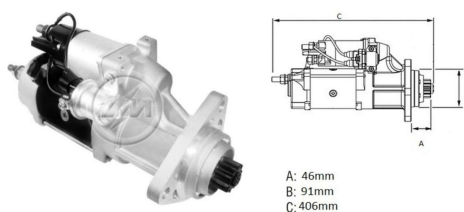
FORD: Cargo 2632, Cargo 2932, Cargo 4532, Cargo 5032. VOLVO: FH12, FM, NH12. YUTONG: ZH6118H.

SUBSTITUI /REPLACE:

DELCO REMY: 19026030, 8200072. FORD: 6C45-11001-AA. MITSUBISHI: M9T61171, M9T82171. VOLVO: 1112767679.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-840 Relé de Partida/ Starter Relay.
ZM 1-409 Relé Auxiliar/ Auxiliary Relay.
ZM 89.380.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.385.00 Mancal Coletor/ C.E. Housing.
ZM 89.387.01 Carcaça Polar/ Polar Yoke.
ZM 83.840.04 Induzido/ Armature.



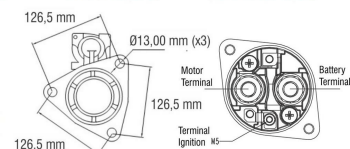
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.380.03

12V (R) 4,6kW 38MT

APLICAÇÃO /USED ON:

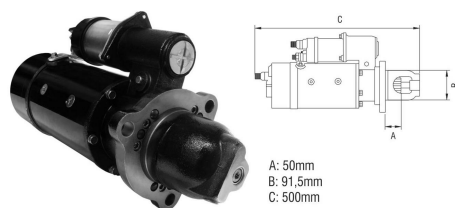
CASE: Colheitadeira de Algodão, Colheitadeira de Grãos, Trator Magnum, Trator/ Tractor. FORD: Cargo 1622, Cargo 1630, Cargo 2422, Cargo 2425, Cargo 2626, Cargo 2630, Cargo 2631, Cargo 3222, Cargo 4030. VOLKSWAGEN: 17.220, 17.310, 23.210, 23.220, 23.310, 24.220, 26.260, 26.310.

SUBSTITUI /REPLACE:

CUMMINS: 3978387. DELCO REMY: 10461769, 19026028, 19026029, 8200005, 8200025, 8200356. ISKRA: 11.131.117, 11.131.213, 11.131.839.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 840 Relé de Partida/ Starter Relay.
ZM 1-407 Relé Auxiliar/ Auxiliary Relay.
ZM 89.380.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.385.00 Mancal Coletor/ C.E. Housing.
ZM 89.387.00 Carcaça Polar/ Polar Yoke.
ZM 83.840.03 Induzido/ Armature.

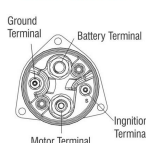
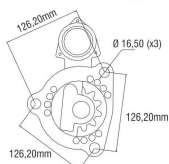


A: 50mm
B: 91,5mm
C: 500mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 11
O.D. 56,7mm

ZM 80.456.01

12V (R) 7,76 KW 42MT

APLICAÇÃO /USED ON:

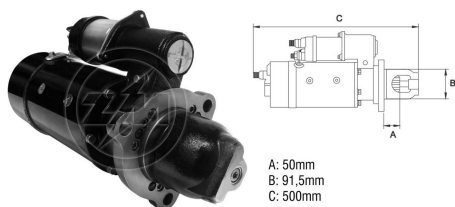
CATERPILLAR: 3406, 3408, 3412, Escavadeira. CLARK: Pá Carragadeira. HYSTER: Empilhadeira, M-600. INTERNATIONAL: 9000. TEREX: 81 SH, 82 SH, 83 SH, 84 SH, S 11E, TS 14, TS 14B, TTS 14.

SUBSTITUI /REPLACE:

DELCO REMY: 1990352, 1990483.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 356 Relé de Partida/ Starter Relay.
ZM 89.700.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.704.02 Mancal Intermediário/ Intermediate Housing.
ZM 89.705.02 Mancal Coletor/ C.E. Housing.
ZM 89.707.03 Carcaça Polar/ Polar Yoke.
ZM 83.450.03 Induzido/ Armature.

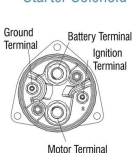
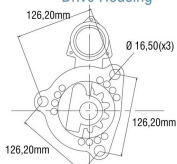


A: 50mm
B: 91,5mm
C: 500mm

Starter Drive

Drive Housing

Starter Solenoid



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

ZM 80.456.02

24V (R) 7,76 KW 42MT

APLICAÇÃO /USED ON:

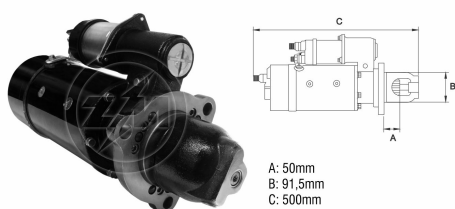
CATERPILLAR: 3208, 3304, 3306, Compactor 825C, Escavadeira, Motoniveladora, Trator.

SUBSTITUI /REPLACE:

DELCO REMY: 10479009.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 362 Relé de Partida/ Starter Relay.
ZM 89.700.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.704.02 Mancal Intermediário/ Intermediate Housing.
ZM 89.705.02 Mancal Coletor/ C.E. Housing.
ZM 89.707.04 Carcaça Polar/ Polar Yoke.
ZM 83.450.04 Induzido/ Armature.

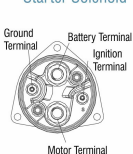
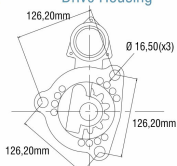


A: 50mm
B: 91,5mm
C: 500mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 56,7mm

ZM 80.456.03

24V (R) 7,76 KW 42MT

APLICAÇÃO /USED ON:

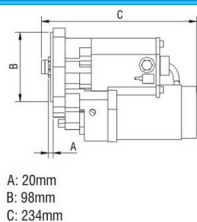
CATERPILLAR: 1670, 1673, 16G, 245, 3406, 3408, 3412, 3508, 3512, 3516, 621B, 621E, 623B, 776, 776B, 777, 777B, 824, 824C, 825C, 826C, 980C, 980F, 983B, D8N. CLARK: 110, 110III, 110III-H, 180III, 210I, 210III, 210III-H, 280, 280III, 280IIIA. TEREX: 33-05, 72-21, 72-21AA, 72-31AA, 72-31B, 72-31F, 72-31M, 72-41, 72-41AA, 72-61, 72-61AA, 72-71, 78SH, 82-20, 82-30, 82-30B, 82-30FAM, 82-30FAT, 82-30GA, 82-40, 82-40CA, 82-40FAT, 82-80, 82-80DA, S-23E, TS-14B, TS-18, TS-24A, TS-32.

SUBSTITUI /REPLACE:

CUMMINS: 3279169, 4078516. DELCO REMY: 10478937, 10478998, 10479010, 10479119.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 362 Relé de Partida/ Starter Relay.
ZM 89.700.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.704.02 Mancal Intermediário/ Intermediate Housing.
ZM 89.705.02 Mancal Coletor/ C.E. Housing.
ZM 89.707.04 Carcaça Polar/ Polar Yoke.



A: 20mm
B: 98mm
C: 234mm

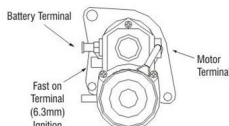
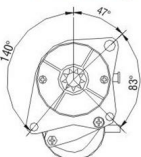
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.140.01

12V (R) 2,0kW OSGR

APLICAÇÃO /USED ON:

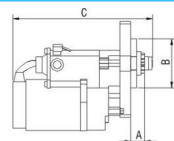
ASIA MOTORS: Rocsta Sportage. FORD: EcoNovan. KIA MOTORS: Besta, Sportage. MAZDA: 323, 626, B 2200, E 2200. SUZUKI: Grand Vitara, Vitara.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 83.421.06 Induzido/ Armature.



A: 24mm
B: 86mm
C: 243mm

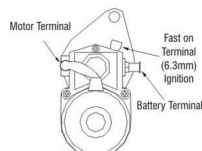
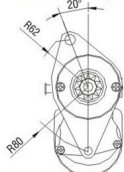
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.140.02

12V (R) 2,2kW OSGR

APLICAÇÃO /USED ON:

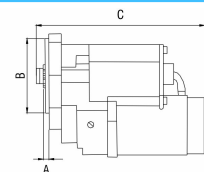
KIA MOTORS: Besta.

SUBSTITUI /REPLACE:

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

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 83.421.10 Induzido/ Armature.



A: 18,70 mm
B: 82,40 mm
C: 236,50 mm

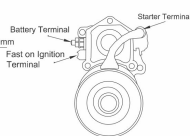
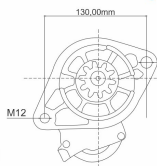
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 36,40 mm



ZM 80.140.03

12V (R) 2,2kW OSGR

APLICAÇÃO /USED ON:

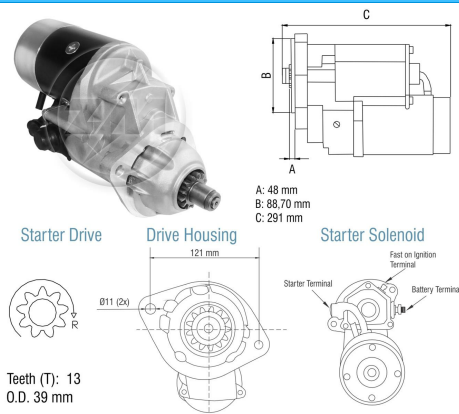
TOYOTA: Hilux, Land Cruiser.

SUBSTITUI /REPLACE:

DENSO: 228000-5020. TOYOTA: 28100-67050.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.400.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.404.00 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.
ZM 89.407.00 Carcaça Polar/ Polar Yoke.
ZM 83.421.10 Induzido/ Armature.



ZM 80.140.04

12V (R) 2,5kW OSGR

APLICAÇÃO /USED ON:

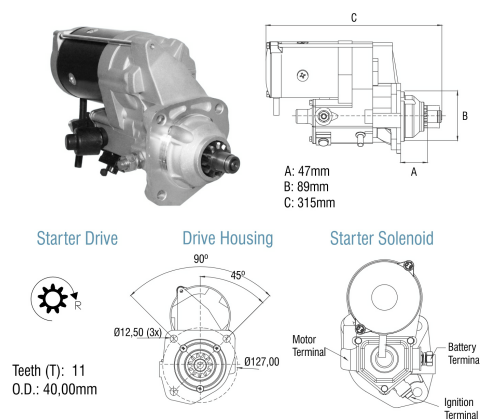
CASE: Colheitadeira/ Windrower, Empilhadeira/ Lift Truck, Mini Carragadeira de Roda / Uni-Loader, Pá Carregadeira/ Wheel Loader, Retroescavadeira/ Loader, Trator/ Tractor, Trencher.

SUBSTITUI /REPLACE:

CASE: 104452A1, 104452A2, 104452A2R, 1987559C1, 86982709, 86982709R, 87350916, A170745, A170746, A170756, AR170746. CUMMINS: 1912211, 3604485NW, 3604485RX, 3604660NW, 3604660RX, 3675154NW, 3675154RX, 3904466, 3906960, 3920403, 3920643, 3926960, 3957586, 3957594. DENSO: 128000-0210, 128000-0211, 128000-0212, 128000-0213, 128000-0214, 128000-0215, 128000-0216, 128000-0540, 128000-0541, 128000-0542, 128000-0543, 128000-0544, 128000-0545, 128000-2270, 128000-2271, 128000-2272, 128000-2273, 128000-9500, 128000-9501, 128000-9502, 128000-9503, 228000-0621, 228000-0622, 228000-0623, 228000-4670, 228000-4671, 228000-6980, 228000-6981, 228000-9100.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.400.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.404.05 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.
ZM 89.405.04 Mancal Coletor/ C.E. Housing.
ZM 89.407.05 Carcaça Polar/ Polar Yoke.
ZM 83.421.02 Induzido/ Armature.



ZM 80.140.06

12V (R) 4,0kW OSGR

APLICAÇÃO /USED ON:

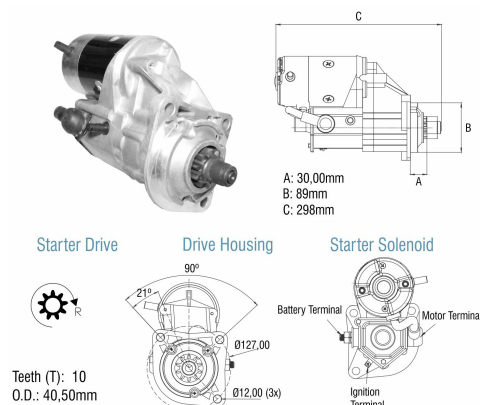
JOHN DEERE: 1550, 210, 2256, 2258, 2264, 2266, 310, 315, 325J, 3520, 3522, 4045DFM50, 4045DFM70, 4045TFM50, 4045TFM75, 410, 450, 460, 4700, 4710, 4720, 4730, 4830, 4920, 4995, 530, 535, 550, 560, 6059, 6068, 6068SFM50, 6068SFM75, 6068TFM50, 6068TFM75, 6068TFM76, 6076, 6081AFM01, 6081AFM75, 643, 650, 660, 6650, 710, 7200, 7210, 7300, 7400, 7410, 748, 7500, 7505, 7510, 753, 7630, 7710, 7720, 7730, 7810, 7815, 7820, 7830, 7920, 7930, 8100, 8110, 8120, 8130, 8200, 8210, 8220, 8230, 8300, 8310, 8320, 8330, 8400, 8410, 8420, 843, 8430, 848, 8520, 8530, 9100, 9120, 9410, 9450, 9510, 9540, 9550, 9560, 9570, 9580, 9610, 9640, 9650, 9660, 9670, 9680, 9750, 9760, 9770, 9780, 9970, 9976, 9986, 9996, CTS.

SUBSTITUI /REPLACE:

DENSO: 228000-5281, 228000-6530, 228000-6531, 228000-6532, 228000-6540, 228000-6541, 228000-7870, 228000-7871, 228000-7873, 228000-8080, 228000-8081, 228000-8082, 228000-8083, 228000-9140, 428000-4080, TG228000-8083. JOHN DEERE: RE501294, RE501298, RE506105, RE528619, RE529661, RE69704, RE70473, RE70957, RE70959, RE70975, RE804244, SE501403, SE501853, SE501866, TY24439, TY24440.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 6-419.93 Bobina Reparo/ Solenoid Switch Coil.
ZM 89.400.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.404.02 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.
ZM 89.405.01 Mancal Coletor/ C.E. Housing.
ZM 89.407.02 Carcaça Polar/ Polar Yoke.
ZM 83.421.01 Induzido/ Armature.



ZM 80.140.08

12V (R) 2,7kW OSGR

APLICAÇÃO /USED ON:

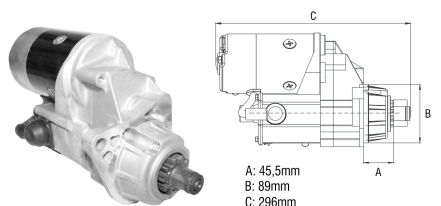
CATERPILLAR: Retroescavadeira/ Loader.

SUBSTITUI /REPLACE:

CATERPILLAR: 112-1767, 142-0539, 143-0538, 143-0539, 3E7905, 6V0492, OR4316, OR4319. DENSO: 228000-1350, 228000-1351, 228000-1352, 228000-1420, 228000-1421, 228000-1422.

COMPONENTES APLICADOS / PARTS APPLIED:

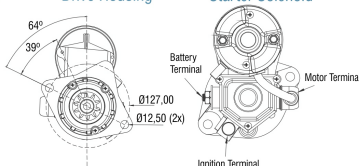
ZM 89.400.07 Mancal de Acionamento/ D.E. Housing.
ZM 89.404.07 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.
ZM 89.405.06 Mancal Coletor/ C.E. Housing.
ZM 89.407.05 Carcaça Polar/ Polar Yoke.
ZM 83.421.02 Induzido/ Armature.



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 40,50mm

ZM 80.140.10

12V (R) 2,7kW OSGR

APLICAÇÃO /USED ON:

HYSTER: Empilhadeira. YALE: Empilhadeira.

SUBSTITUI /REPLACE:

DENSO: 228000-7810, 280-7045. HYSTER: 1388721, 3114941. YALE: 22010245R, 580013353.

COMPONENTES APLICADOS / PARTS APPLIED:

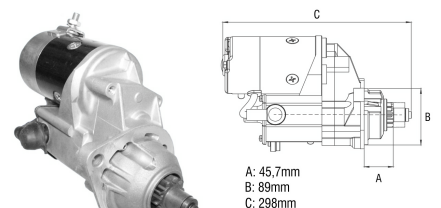
ZM 89.400.08 Mancal de Acionamento/ D.E. Housing.

ZM 89.404.06 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.

ZM 89.405.05 Mancal Coletor/ C.E. Housing.

ZM 89.407.05 Carcaça Polar/ Polar Yoke.

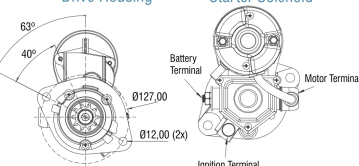
ZM 83.421.02 Induzido/ Armature.



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 40,00mm

ZM 80.141.01

24V (R) 4,5kW OSGR

APLICAÇÃO /USED ON:

CASE: CX160, Escavadeira. DRESSER: 510, 515, 520. KOMATSU: FD40ZT-7, PC 180, PC 200, WA120, WA180, WA200, WA250, WA253.

SUBSTITUI /REPLACE:

BOSCH: F.042.000.120. CUMMINS: 3675248RX, 3675758RX, 3920644, 3922474, 3934119, 3957592, 3957593, 3970101, 3934119. DENSO: 228000-0630, 228000-0631, 228000-0632, 228000-0633, 228000-1750, 228000-1751, 228000-1752, 228000-6640, 228000-6641, 228000-6670, 228000-6671, 228000-7900, 228000-7901, 228000-7902. KOMATSU: 600-863-4110, 600-863-4210, 600-863-4510, 673-381-6510.

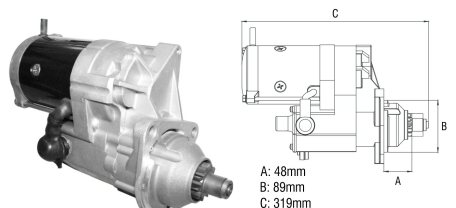
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.400.03 Mancal de Acionamento/ D.E. Housing.

ZM 89.404.03 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.

ZM 89.405.02 Mancal Coletor/ C.E. Housing.

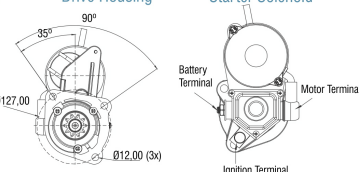
ZM 89.407.03 Carcaça Polar/ Polar Yoke.



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 40,00mm

ZM 80.141.02

24V (R) 5,5kW OSGR

APLICAÇÃO /USED ON:

CASE: 1080, 1085, 1088, 1150, 1155, 488, 580, 621, 680, 688, 780, 850, 855, 888, 9010, 9020, 9030, 9040, 9050, CX210, W24B. KOMATSU: PC 200, PC 220. SAMSUNG: SE170, SE210.

SUBSTITUI /REPLACE:

CASE: 187566C1, 1987566C1, D129494. DENSO: 128000-2560, 128000-2561, 128000-2562, 128000-2563.

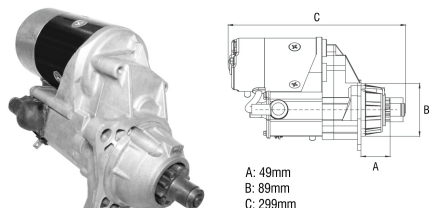
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.400.04 Mancal de Acionamento/ D.E. Housing.

ZM 89.404.04 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.

ZM 89.405.03 Mancal Coletor/ C.E. Housing.

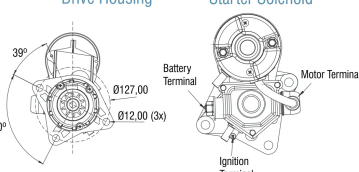
ZM 89.407.04 Carcaça Polar/ Polar Yoke.



Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 40,50mm

ZM 80.141.03

24V (R) 4,5kW OSGR

APLICAÇÃO /USED ON:

CASE: Colheitadeira de Cana. NEW HOLLAND: Colheitadeira.

SUBSTITUI /REPLACE:

DENSO: 228000-5640, 228000-5641. IVECO: 2995138, 42498714. NEW HOLLAND: 99432760, 99432760R.

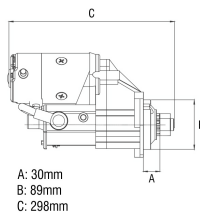
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.400.09 Mancal de Acionamento/ D.E. Housing.

ZM 89.404.03 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.

ZM 89.405.02 Mancal Coletor/ C.E. Housing.

ZM 89.407.03 Carcaça Polar/ Polar Yoke.

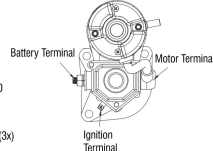
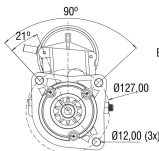


A: 30mm
B: 89mm
C: 298mm

Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 40,50mm

ZM 80.141.04

24V (R) 4,5kW OSGR

APLICAÇÃO /USED ON:

CATERPILLAR: 1000, 420D, 420E, 914G, 924G, 924GZ, 928G, AP300D, AP500E, AP555E, AP600, AP650B, BB760, BG225C, BG230D, BG500E, BG555E, CS433C, CS433E, IT28G, M313C, M313D, M315C, M315D, M316C, M316D, M318C, M318D, M322C, M322D, PS150B, PS200B.

SUBSTITUI /REPLACE:

CATERPILLAR: 100-6929, 143-0541, 143-0543, 1G9963, 225-3150, 225-7304. DENSO: 228000-1830, 228000-1831, 228000-1832.

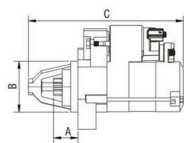
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.400.07 Mancal de Acionamento/ D.E. Housing.

ZM 89.404.03 Relé de Partida com Mancal Intermediário / Stater Relay with Intermediate Housing.

ZM 89.405.02 Mancal Coletor/ C.E. Housing.

ZM 89.407.03 Carcaça Polar/ Polar Yoke.

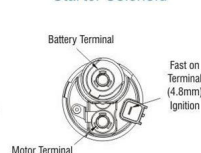
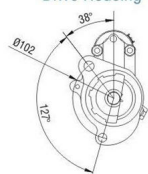


A: 32.5mm
B: 70mm
C: 213mm

Starter Drive

Drive Housing

Starter Solenoid



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

ZM 80.705.02

12V (R) 0,8kW PMGR

APLICAÇÃO /USED ON:

HONDA: Fit.

SUBSTITUI /REPLACE:

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

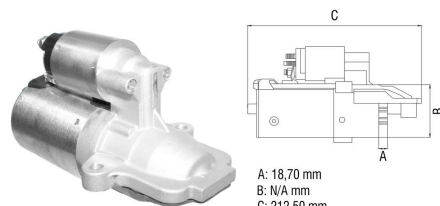
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 6-705 Relé de Partida/ Starter Relay.

ZM 89.500.01 Mancal de Acionamento/ D.E. Housing.

ZM 89.505.01 Mancal Coletor/ C.E. Housing.

ZM 89.507.00 Carcaça Polar/ Polar Yoke.



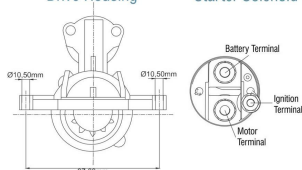
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 11
O.D. 34 mm



ZM 80.761.03

12V (R) 1.5 kW FORD

APLICAÇÃO /USED ON:

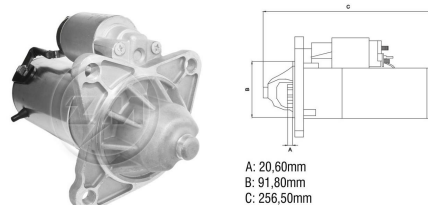
FORD: Ranger. MAZDA: Truck.

SUBSTITUI /REPLACE:

FORD: 1L5T-11000-AA, 1L5T-AA, 1L5Z-11002-AA, 1L5Z-11002-AARM, 4L55-11000-44, 6L5T-11000-AA, 6L5T-AA, 6L5Z-11002-AA, 6L5Z-11002-AARM. MAZDA: 1F2018-400A.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 761 Relé de Partida/ Starter Relay.



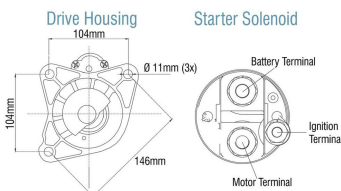
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 36,30mm



ZM 80.761.04

12V (R) 2.1 kW FORD

APLICAÇÃO /USED ON:

FORD: Ranger.

SUBSTITUI /REPLACE:

FORD: F87U-11000-DA, F87U-11000-DB, F87U-11000-DC, F87U-11000-DD, F87U-11000-DE, F87U-DA, F87U-DB, F87U-DC, F87U-DD, F87U-DE.

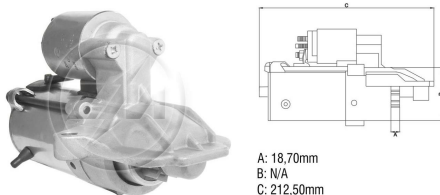
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-761 Relé de Partida/ Starter Relay.

ZM 89.610.00 Mancal de Acionamento/ D.E. Housing.

ZM 89.615.00 Mancal Coletor/ C.E. Housing.

ZM 89.617.00 Carcaça Polar/ Polar Yoke.



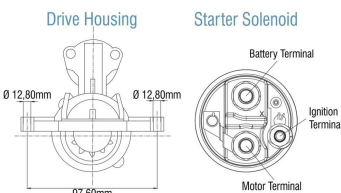
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 11
O.D. 34,00mm



ZM 80.761.05

12V (R) 1.2 kW FORD

APLICAÇÃO /USED ON:

FORD: Focus. VOLVO: C30, S40, V50.

SUBSTITUI /REPLACE:

FORD: 3M5T11000-AE.

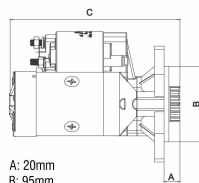
COMPONENTES APLICADOS / PARTS APPLIED:

ZM 961 Relé de Partida/ Starter Relay.



ZM 80.680.01

12V (R) 2,0kW



A: 20mm
B: 95mm
C: 215mm

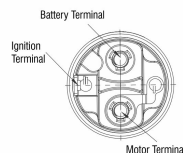
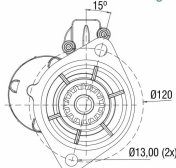
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 15
O.D. 44,1mm



APLICAÇÃO /USED ON:

CASE: CX50B. NEW HOLLAND: E50B. YANMAR: Motor a Combustão Yanmar.

SUBSTITUI /REPLACE:

DELCO REMY: DRS0052, DS1162. HITACHI: S1277, S13124, S13132, S1324, S13294, S13332, S1394, S1394A. LUCAS: LRS01308, LRS1308. YANMAR: 1240077010, 1240077011, 1240077012, 12913077010, 12913677010, 12913677011, 12913777012.

COMPONENTES APLICADOS / PARTS APPLIED:

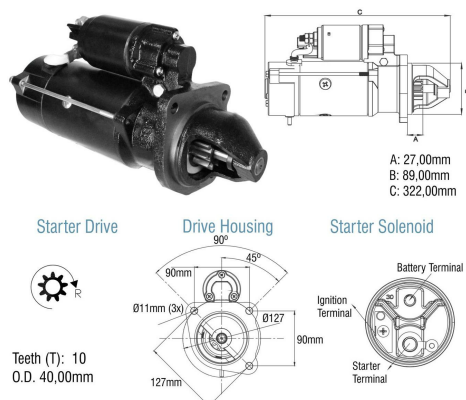
ZM 685 Relé de Partida/ Starter Relay.

ZM 89.680.01 Mancal de Acionamento/ D.E. Housing.

ZM 89.684.01 Mancal Intermediário/ Intermediate Housing.

ZM 89.685.01 Mancal Coletor/ C.E. Housing.

ZM 89.687.01 Carcaça Polar/ Polar Yoke.



ZM 80.825.01

12V (R) 4,2kW AZF

APLICAÇÃO /USED ON:

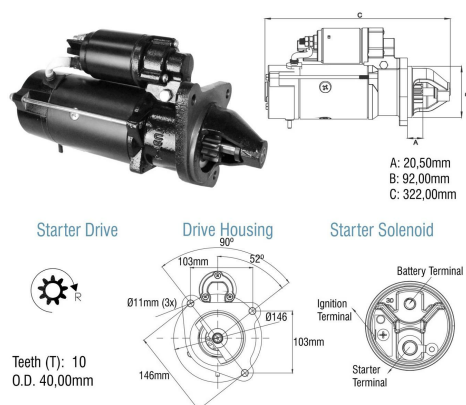
CASE: Farmall, JXU, MXU, Maxxum, Puma, Quantum, Skid Steer Loaders, T, Wheel Loaders. NEW HOLLAND: Crawler Tractor, T6020, T6030, T6040, T6050, T6060, T6070, T6080, T6090, T7, T7030, T7040, T7050, T7060, T7070, TC5070, TC57, TM7010, TM7020, TM7030, TM7040, Tractor.

SUBSTITUI /REPLACE:

BOSCH: 0.001.230.022. CASE: 47715263, 4897223. FIAT: 47715263, 84151331, 87318735, 87583926, 87653219. ISKRA: 11.130.999, 11.131.464, 11.131.520, 11.131.550, 11.131.706, 11.131.824, 11.131.972, 11.132.072, 11.132.073, 11.132.283, AZF4122, AZF4135, AZF4143, AZF4184, AZF4219, AZF4263, AZF4290, AZF4291, AZF4355, AZF4535, IS0999. IVECO: 500389864, 504163666, 5801394270, 84151331, 87524725. NEW HOLLAND: 4897223, 82.032.859.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.825.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.825.20 Mancal Coletor/ C.E. Housing.
ZM 89.825.40 Carcaça Polar/ Polar Yoke.
ZM 83.825.03 Induzido/ Armature.



ZM 80.825.02

12V (R) 3,0kW AZF

APLICAÇÃO /USED ON:

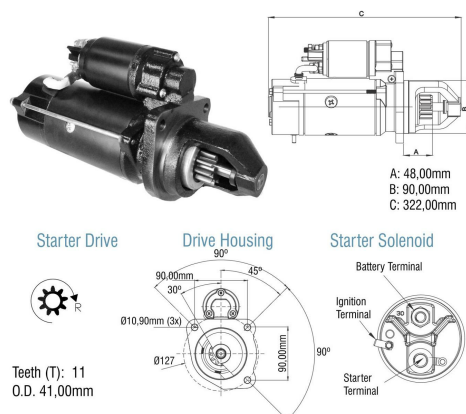
CASE: MXM. FORD-NEW HOLLAND: 810, 8670, 8770, TM115, TM125, TM150, TM165, TS100, TS115, TV140. NEW HOLLAND: Farm, Tractor, Windrowers.

SUBSTITUI /REPLACE:

BOSCH: 9.007.044.014. CASE: 82015723, 82021372. FIAT: 87318759, 87653221, 87755560. ISKRA: 11.130.627, 11.131.027, 11.131.430, 11.131.705, 11.131.785, AZF4115, AZF4183, AZF4511, AZF4839, AZJ3201, IS0627, IS1016. NEW HOLLAND: 820.131.34, 820.141.60.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.825.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.825.20 Mancal Coletor/ C.E. Housing.
ZM 89.825.40 Carcaça Polar/ Polar Yoke.
ZM 83.825.03 Induzido/ Armature.



ZM 80.825.03

12V (R) 4,2kW AZF

APLICAÇÃO /USED ON:

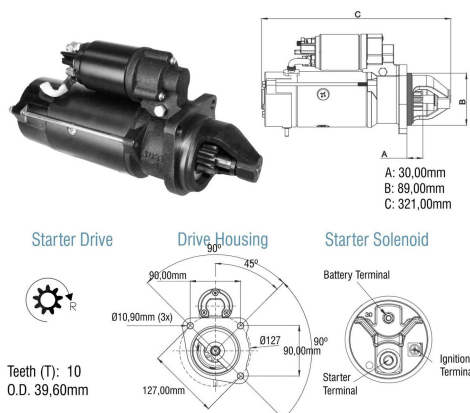
CASE: 105, 110, 1135, 1145, 1155, 1170, 1190, 1195, 120, 130, 140, 150, 160, 170, 175, 190, 195, 78, 80 PRO, 85 PRO, 86, 94, 95 PRO. CHALLENGER: 8333, Combines, MT665D, MT685D, MT745D, MT755D, MT765D, RG1100, RG1300, RG635B, RG645B, RG655B, TG845, WR9740. FASTRAC: JCB. MASSEY FERGUSON: MF 32, MF 34, MF 4292, MF 460 XTRA, MF 470 XTRA, MF 480 XTRA, MF 5650, MG 4297, MG 4299. VALTRA: 6200, 6250, 6300, 6350HI, 6400, 6550, 6850, A750L, A9350, A950, A990, BC4500, BH135i, BH145, BH165, BH180, BH185i, BH200, BH205i, BH210i, BM, Serie A, Serie N, Serie S, Serie T, X120.

SUBSTITUI /REPLACE:

BOSCH: 0.001.260.025, 0.001.260.026. CASE: 47111575, 84284540. ISKRA: 11.130.836, 11.131.249, 11.131.542, 11.131.727, 11.131.968, 11.132.174, 11.132.356, 11.132.359, AZF3405, AZF4141, AZF4190, AZF4261, AZF4320, AZF4369, AZF4370, AZF4513, AZJ3405, IS0836, IS0897. LUCAS: LRS02361. NEW HOLLAND: 162000090722, 87693781, 87751000. PRESTOLITE: 35259360. VALTRA: 83646500, 89732200, VPF7263.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 826 Relé de Partida/ Starter Relay.
ZM 89.825.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.825.21 Mancal Coletor/ C.E. Housing.
ZM 89.825.40 Carcaça Polar/ Polar Yoke.
ZM 83.825.03 Induzido/ Armature.



ZM 80.825.04

12V (R) 3,0kW AZF

APLICAÇÃO /USED ON:

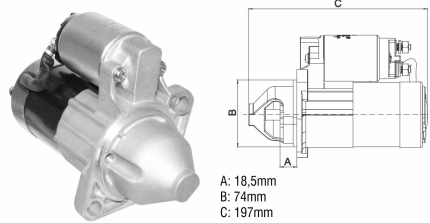
MASSEY FERGUSON: 9790, MF 5465, MF 8140, MF 8150, MF 8160, MF 8210, MF 8220, MF 8250. PERKINS: 1006-6. VALMET: BT 210, BT150, BT170, BT190.

SUBSTITUI /REPLACE:

AGCO: 1029 405, 1072 559, 3667 040 M91, 3680 133 M91, 3784 890 M1, 3786 094 M93, 3786 094 M94, 3823 621 M91, 3823 621 M92, 3823 621 M93, 3823 621 M94, 3823 621 M95. ISKRA: 11.131.228, 11.131.397, 11.131.410, 11.131.508, 11.131.973, 11.132.175, AZF4102, AZF4111, AZF4132, AZF4264, AZF4321, AZF4569, IS1071. MASSEY FERGUSON: 3784 890 M1. PERKINS: 2873K632.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 89.825.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.825.20 Mancal Coletor/ C.E. Housing.
ZM 89.825.40 Carcaça Polar/ Polar Yoke.
ZM 83.825.03 Induzido/ Armature.



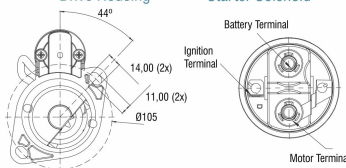
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 8
O.D. 28,2mm



ZM 80.790.01

12V (R) 1.2kW MOT8

APLICAÇÃO /USED ON:

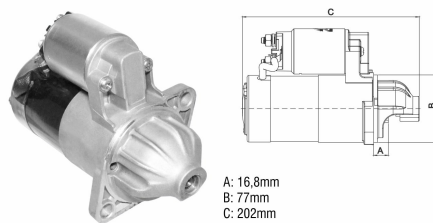
MAZDA: Empilhadeira. YALE: Empilhadeira.

SUBSTITUI /REPLACE:

BOSCH: 0.986.012.831. MAZDA: FFSC-18-400, FFSC-18-400A, FFSE-18-400, FFSN-18-400. MITSUBISHI: 1534424, 2314322, 3114995, MOT84381, MOT84381A, MOT92581, M3T10473, M3T10475, M3T10476. PRESTOLITE: 860872. YALE: 220102437R, 918139600.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-699 Relé de Partida/ Starter Relay.



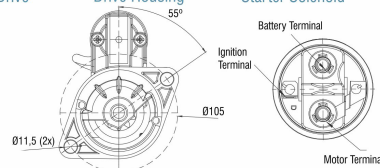
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 30,1mm



ZM 80.790.02

12V (R) 1.4kW M1T7

APLICAÇÃO /USED ON:

MITSUBISHI: Empilhadeira.

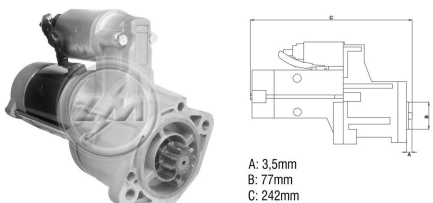
SUBSTITUI /REPLACE:

MITSUBISHI: M1T79781.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 697 Relé de Partida/ Starter Relay.

ZM 83.790.05 Induzido/ Armature.



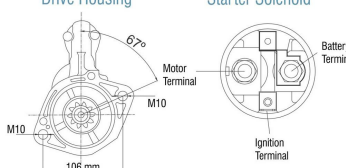
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 32,40mm



ZM 80.893.01

12V (R) 2.0kW M2T5

APLICAÇÃO /USED ON:

HYUNDAI: Galloper, H-1, H100, Porter, Starex. MITSUBISHI: Colt, Galant, L 200, L 300, Lancer, Pajero, Space.

SUBSTITUI /REPLACE:

MITSUBISHI: M002T56182, M2T56181, M2T56182.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 893 Relé de Partida/ Starter Relay.

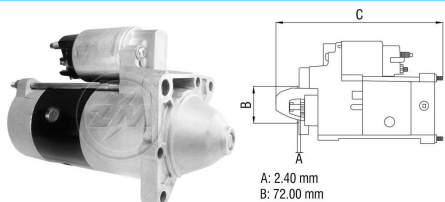
ZM 89.930.00 Mancal de Acionamento/ D.E. Housing.

ZM 89.934.00 Mancal Intermediário/ Intermediate Housing.

ZM 89.935.00 Mancal Coletor/ C.E. Housing.

ZM 89.937.00 Carcaça Polar/ Polar Yoke.

ZM 83.790.03 Induzido/ Armature.



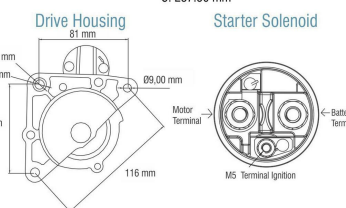
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 35,3 mm



ZM 80.993.01

12V (R) 2,2kW M2T8

APLICAÇÃO /USED ON:

GM-OPEL: Movano. RENAULT: Master.

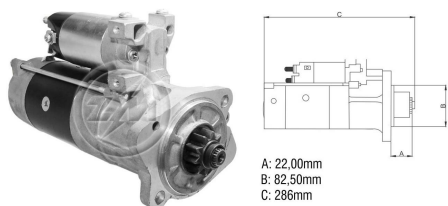
SUBSTITUI /REPLACE:

MITSUBISHI: M002T87671.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-993 Relé de Partida/ Starter Relay.

ZM 83.790.01 Induzido/ Armature.



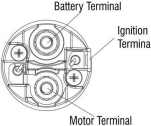
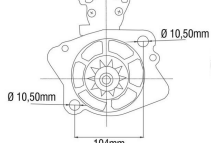
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 39mm



ZM 80.895.01

24V (R) 5,0kW M8T6

APLICAÇÃO /USED ON:

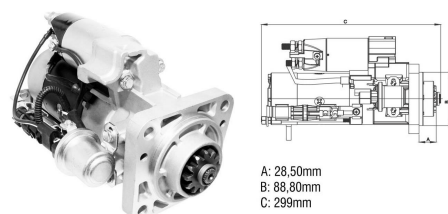
CATERPILLAR: Escavadeira 320B, Excavator 320B.

SUBSTITUI /REPLACE:

CATERPILLAR: 1252988. MITSUBISHI: M008T60871, M8T60871.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-897 Relé de Partida/ Starter Relay.
ZM 89.950.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.955.00 Mancal Coletor/ C.E. Housing.
ZM 89.957.00 Carcaça Polar/ Polar Yoke.
ZM 83.890.03 Induzido/ Armature.



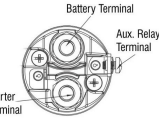
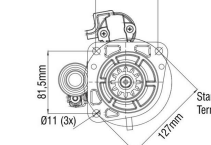
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 43,9mm



ZM 80.895.02

24V (R) 5,0KW M8T6

APLICAÇÃO /USED ON:

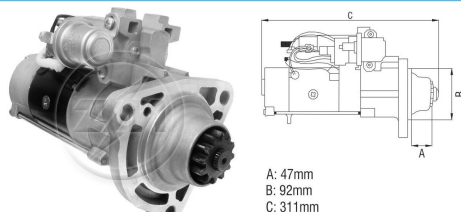
MAN: 10.180, 10.210, 10.240, 12.180, 12.210, 12.240, 18.240, 18.280, 18.330, 26.280, 26.330, 7.150, 7.180, 8.180, 8.210, 8.240. VOLKSWAGEN: 17.280, 24.280.

SUBSTITUI /REPLACE:

BOSCH: 0.001.231.034. MAN: 2T2-911-023-B, 51-26201-7236, 51262017236. MITSUBISHI: M008T62671, M008T62671AM, M8T62671, M8T62671AM. PRESTOLITE: 860813.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-897 Relé de Partida/ Starter Relay.
ZM 428 Relé Auxiliar/ Auxiliary Relay.
ZM 89.950.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.955.00 Mancal Coletor/ C.E. Housing.
ZM 89.957.00 Carcaça Polar/ Polar Yoke.
ZM 89.958.00 Suporte+Terminal Conector/Bracket+Plug.
ZM 83.890.03 Induzido/ Armature.



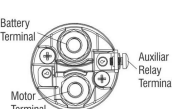
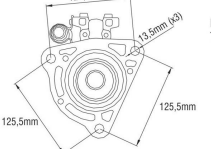
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 49mm



ZM 80.890.01

24V (R) 5,5kW M9T6

APLICAÇÃO /USED ON:

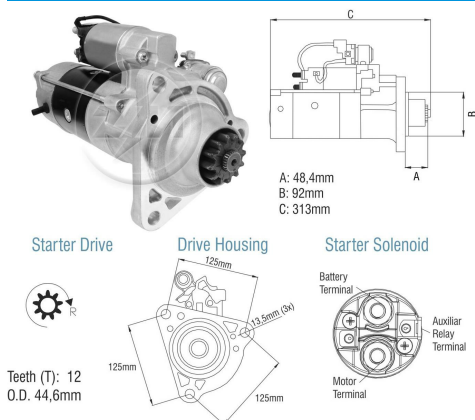
VOLVO: B 12 M, B12, FH12, FH13, FM 12.

SUBSTITUI /REPLACE:

MITSUBISHI: M009T61171, M009T62171, M009T62172, M009T62173, M9T61171, M9T62172, M9T62173. VOLVO: 20430564, 20430565, 20431073, 20572417, 20572419, 20714203, 21532125, 21632125, 21632127, 3095060, 3827444, 3964839, 8113918, 85000087.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-897 Relé de Partida/ Starter Relay.
ZM 3-408 Relé Auxiliar/ Auxiliary Relay.
ZM 89.890.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.895.00 Mancal Coletor/ C.E. Housing.
ZM 89.897.00 Carcaça Polar/ Polar Yoke.
ZM 83.890.06 Induzido/ Armature.



ZM 80.890.02

24V (R) 5,5kW M9T6

APLICAÇÃO /USED ON:

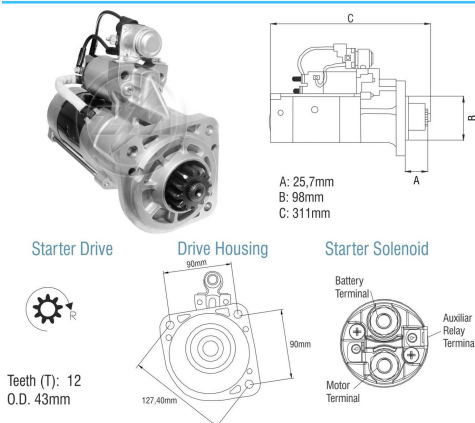
FIAT-IVECO: Euro Star, Euro Tech, Euro Trakker, Eurocargo, Stralis.

SUBSTITUI /REPLACE:

IVECO: 504042667. MITSUBISHI: M009T61671, M9T61671.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-897 Relé de Partida/ Starter Relay.
ZM 1-428 Relé Auxiliar/ Auxiliary Relay.
ZM 89.890.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.895.01 Mancal Coletor/ C.E. Housing.
ZM 89.897.01 Carcaça Polar/ Polar Yoke.
ZM 83.890.06 Induzido/ Armature.
ZM 89.897.00 Carcaça Polar ZM / Polar Yoke ZM.



ZM 80.890.03

24V (R) 5,5kW M9T6

APLICAÇÃO /USED ON:

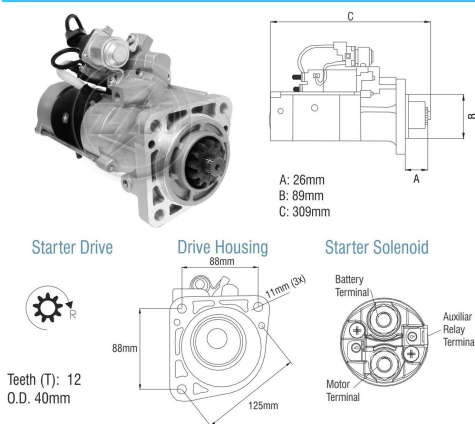
VOLKSWAGEN: 13.180, 15.180, 17.210, 17.240, 17.260, 26.260, 31.260. VOLVO: VM 210, VM 260, VM 310.

SUBSTITUI /REPLACE:

MITSUBISHI: M009T62572ZA, M9T62572ZA. VOLKSWAGEN: 2S0911023A. VOLVO: 85013089.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-897 Relé de Partida/ Starter Relay.
ZM 1-408 Relé Auxiliar/ Auxiliary Relay.
ZM 89.890.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.895.02 Mancal Coletor/ C.E. Housing.
ZM 89.897.01 Carcaça Polar/ Polar Yoke.
ZM 83.890.06 Induzido/ Armature.



ZM 80.890.04

24V (R) 5,5kW M9T6

APLICAÇÃO /USED ON:

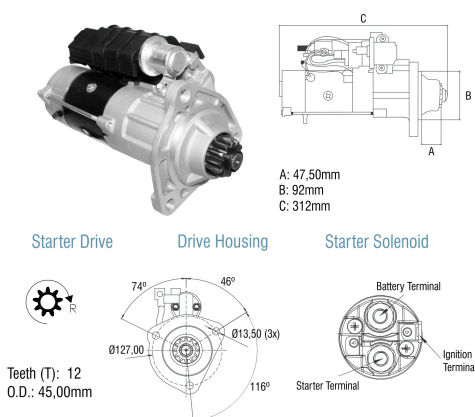
VOLVO: Escavadeira, Motores Estacionários.

SUBSTITUI /REPLACE:

MITSUBISHI: M009T62671, M9T62671. VOLVO: 1182315, 1182759, 1183286, 20880693, 21133741, 21306350, 3801274, 3803939, 3803979.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-897 Relé de Partida/ Starter Relay.
ZM 2-408 Relé Auxiliar/ Auxiliary Relay.
ZM 89.890.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.895.03 Mancal Coletor/ C.E. Housing.
ZM 89.897.01 Carcaça Polar/ Polar Yoke.
ZM 83.890.06 Induzido/ Armature.



ZM 80.890.05

24V (R) 5,5kW M9T6

APLICAÇÃO /USED ON:

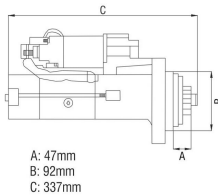
SCANIA: Série G, Série K, Série P, Série R, Série T.

SUBSTITUI /REPLACE:

BOSCH: 0.001.241.001. MITSUBISHI: M9T65971, M9T65971ZA. SCANIA: 2029376.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 6-897 Relé de Partida/ Starter Relay.
ZM 4-428 Relé Auxiliar/ Auxiliary Relay.
ZM 89.890.04 Mancal de Acionamento/ D.E. Housing.
ZM 89.895.04 Mancal Coletor/ C.E. Housing.
ZM 89.897.01 Carcaça Polar/ Polar Yoke.
ZM 83.890.06 Induzido/ Armature.



A: 47mm
B: 92mm
C: 337mm

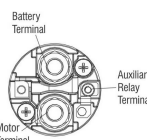
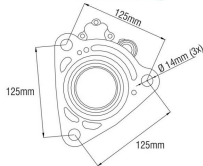
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 42,4mm



ZM 80.840.01

24V (R) 7,0kW M9T8

APLICAÇÃO /USED ON:

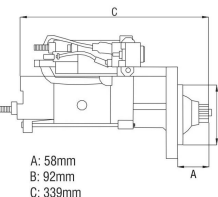
MERCEDES-BENZ: Actros 1831, Actros 1832, Actros 1835, Actros 1836, Actros 1840, Actros 1841, Actros 1843, Actros 1844, Actros 1846, Actros 1848, Actros 1850, Actros 1851, Actros 1853, Actros 1854, Actros 1857, Actros 1858, Actros 1860, Actros 2031, Actros 2032, Actros 2035, Actros 2036, Actros 2040, 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:

BOSCH: F042003085. DELCO REMY: 8200519. MERCEDES-BENZ: 0 051 516 401, 0 061 511 501, 0 061 516 901, 0 071 510 401. MITSUBISHI: M009T80472, M009T80473, M009T83671, M009T84771, M9T80472, M9T80473, M9T83671, M9T84771.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 842 Relé de Partida/ Starter Relay.
ZM 3-428 Relé Auxiliar/ Auxiliary Relay.
ZM 89.840.50 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.50 Mancal Coletor/ C.E. Housing.
ZM 89.847.50 Carçaça Polar/ Polar Yoke.
ZM 83.842.02 Induzido/ Armature.



A: 58mm
B: 92mm
C: 339mm

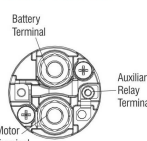
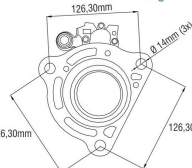
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 12
O.D. 45,7mm



ZM 80.840.02

24V (R) 7,0kW M9T8

APLICAÇÃO /USED ON:

VOLVO: Articulated Truck, B12, FH12, FM 12, FM 13.

SUBSTITUI /REPLACE:

BOSCH: 0.001.417.075. DELCO REMY: 8200072. MITSUBISHI: M009T82171, M9T82171. VOLVO: 11127679, 1556967, 20430564.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 842 Relé de Partida/ Starter Relay.
ZM 2-428 Relé Auxiliar/ Auxiliary Relay.
ZM 89.840.51 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.51 Mancal Coletor/ C.E. Housing.
ZM 89.847.50 Carçaça Polar/ Polar Yoke.
ZM 83.842.02 Induzido/ Armature.



ZM 80.480.01

12V (R) 3.0kW M93R

APLICAÇÃO /USED ON:

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

SUBSTITUI /REPLACE:

PRESTOLITE: 35259870, 35262710.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-482 Relé de Partida/ Starter Relay.
ZM 89.840.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.00 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.

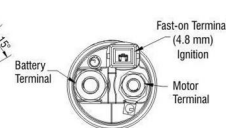
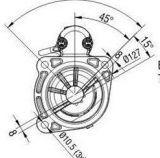
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.02

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

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

SUBSTITUI /REPLACE:

BOSCH: 9.000.083.056, 9.000.453.033. MWM: 9.0572.01.0.0091. PRESTOLITE: 35258240, 35259750.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.

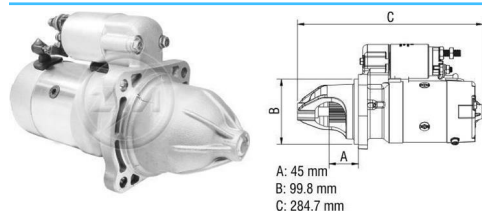
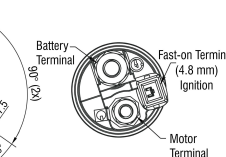
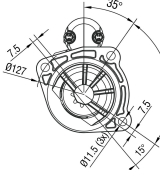
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.03

12V (R) 3.0kW M93R

APLICAÇÃO /USED ON:

VOLKSWAGEN: 13.190, 15.190, 17.210, 23.210.

SUBSTITUI /REPLACE:

PRESTOLITE: 35259640.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 5-485 Relé de Partida/ Starter Relay.
ZM 89.840.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.00 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.

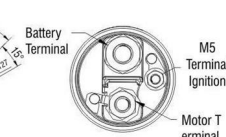
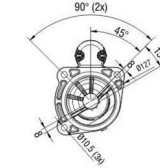
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.04

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

FORD: Cargo.

SUBSTITUI /REPLACE:

FORD: 4C4511001BA, AC4511001BB. PRESTOLITE: 35261120, 35262580.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-482 Relé de Partida/ Starter Relay.
ZM 89.840.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.

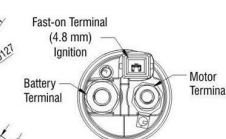
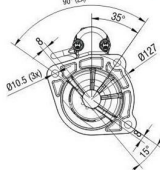
Starter Drive

Drive Housing

Starter Solenoid



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





A: 26 mm
B: 98.5 mm
C: 280.6 mm

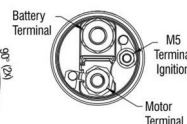
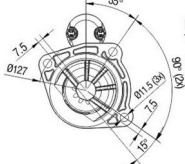
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.05

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

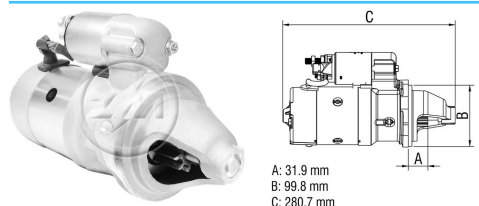
INTERNATIONAL: Navistar. MONTANA: Pulverizador. MWM: MWM. VOLKSWAGEN: 13.150, 13.180, 15.180, 17.210, 23.210, 7.10, 8-150, 8.120, Ônibus 16.210, Ônibus 17.2100D, Ônibus 17.2400T, Ônibus 8.1500D, Ônibus 9.1500D.

SUBSTITUI /REPLACE:

PRESTOLITE: 35259430. VOLKSWAGEN: 2R0911023A, TJG911023B.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 5-485 Relé de Partida/ Starter Relay.
ZM 89.840.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



A: 31.9 mm
B: 99.8 mm
C: 280.7 mm

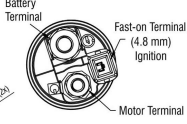
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.06

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

FORD: F-250, F-350, F-4000.

SUBSTITUI /REPLACE:

PRESTOLITE: 35261760.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.02 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



A: 45 mm
B: 88.8 mm
C: 280.7 mm

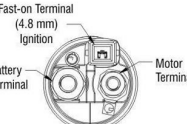
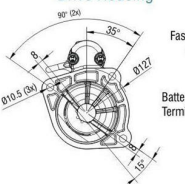
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.07

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

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

SUBSTITUI /REPLACE:

PRESTOLITE: 35259390, 35259600.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-485 Relé de Partida/ Starter Relay.
ZM 89.840.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



A: 45 mm
B: 88.8 mm
C: 280.7 mm

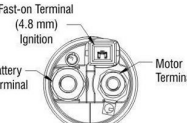
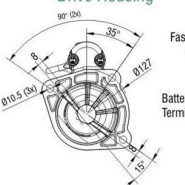
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.08

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

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

SUBSTITUI /REPLACE:

PRESTOLITE: 35259620.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-485 Relé de Partida/ Starter Relay.
ZM 89.840.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



ZM 80.480.09

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

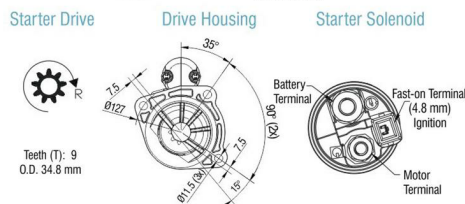
AGRALE: 5075, 5085.

SUBSTITUI /REPLACE:

PRESTOLITE: 35261355.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



ZM 80.480.10

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

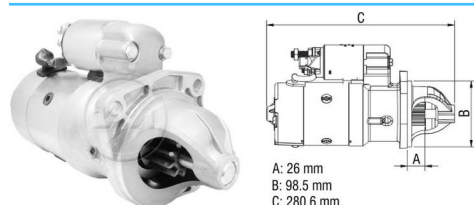
AGRALE: 7500, 8000, 8500, 9200, Caminhão, Furgovan, Ônibus.

SUBSTITUI /REPLACE:

DELCO REMY: 8200326. MWM: 905720100093. PRESTOLITE: 35259760. VOLKSWAGEN: 2R0911023E.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



ZM 80.480.11

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

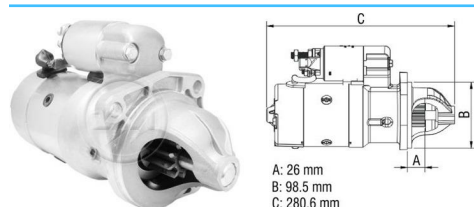
CNH: Línea TL 100, Línea TL 70, Línea TL 80, Línea TL 90, Línea TL Exitus TL55E, Línea TL Exitus TL65E, Línea TL Exitus TL85E, Línea TL Exitus TL95E, Línea TL Frutteto TL55F, Línea TL Frutteto TL65F, Línea TL Frutteto TL75F.

SUBSTITUI /REPLACE:

PRESTOLITE: 35261425.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



ZM 80.480.12

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

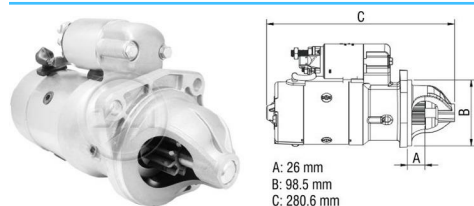
AGRALE: MWM Série X-10 Y 229.

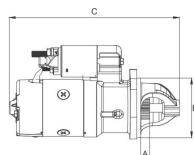
SUBSTITUI /REPLACE:

PRESTOLITE: 35261360.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.01 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.





A: 11mm
B: 92mm
C: 256mm

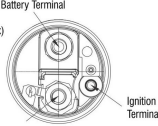
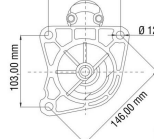
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.480.13

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

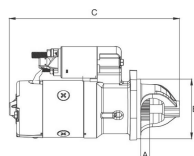
FORD: Ranger.

SUBSTITUI /REPLACE:

FORD: 1L541100AA. PRESTOLITE: 35259170.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 484 Relé de Partida/ Starter Relay.
ZM 89.840.07 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.00 Mancal Coletor/ C.E. Housing.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



A: 22mm
B: 92mm
C: 256mm

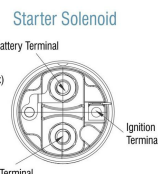
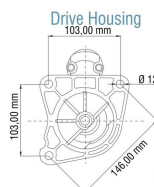
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 37,1mm



ZM 80.480.14

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

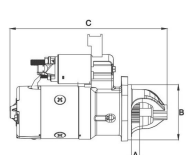
FORD: F-1000. GM-CHEVROLET: Blazer, S10. MERCEDES-BENZ: Sprinter.

SUBSTITUI /REPLACE:

BOSCH: 0.001.218.168, 9.000.331.432. FORD: AX1100HA. PRESTOLITE: 35258660.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 480 Relé de Partida/ Starter Relay.
ZM 89.840.07 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



A: 27.50mm
B: 110.00mm
C: 258.60mm

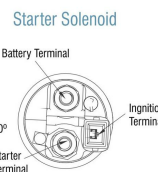
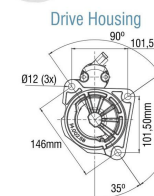
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 35,5mm



ZM 80.480.15

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

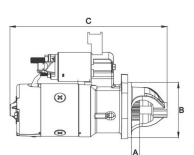
FORD: F 100. GM-CHEVROLET: D 20, Gran Blazer, Silverado. MWM: MWM.

SUBSTITUI /REPLACE:

GM: 905720100083. PRESTOLITE: 35258580, 35258910. WAPSA: A000F31433.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 482 Relé de Partida/ Starter Relay.
ZM 89.840.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.03 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



A: 27.50mm
B: 110.00mm
C: 258.60mm

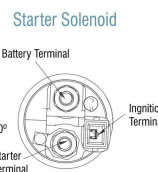
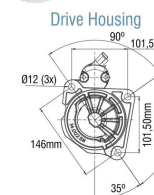
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 35,5mm



ZM 80.480.16

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

VOLKSWAGEN: 5-140E, 8-150, 8.120, 9.150.

SUBSTITUI /REPLACE:

BOSCH: F000AL0133. PRESTOLITE: 35261305. VOLKSWAGEN: 2P0911023.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 4-482 Relé de Partida/ Starter Relay.
ZM 89.840.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.03 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



ZM 80.480.17

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

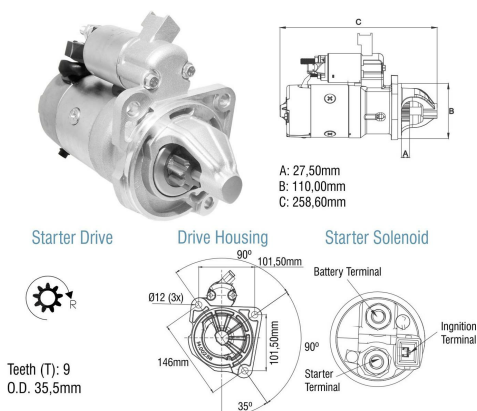
FORD: F-250. MWM: MWM.

SUBSTITUI /REPLACE:

BOSCH: 0.001.223.010. FORD: 2C35-11001-AA, XC3U10000-BA. PRESTOLITE: 35259890.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-482 Relé de Partida/ Starter Relay.
ZM 89.840.06 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.03 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



Teeth (T): 9
O.D. 35,5mm

ZM 80.481.01

12V (R) 4.0 kW M100R

APLICAÇÃO /USED ON:

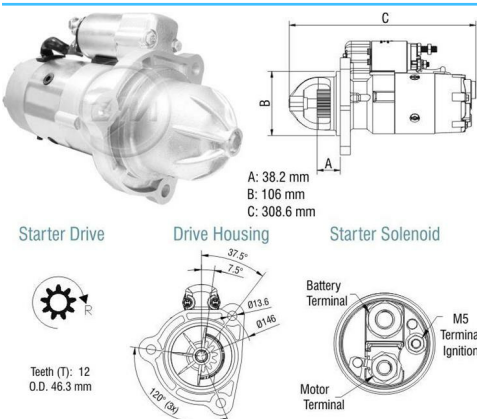
VOLKSWAGEN: 17.220, 17.310, 18.310 Titan Tractor, 23.220, 23.310, 26.220, 26.260, 26.310, 40.300.

SUBSTITUI /REPLACE:

DELCO REMY: 1993874, 8200236. MASSEY FERGUSON: 6213994M1. PRESTOLITE: 35259450, 35261135.
VOLKSWAGEN: 270 911 023 A, 270.911.023.A, 2T0911023A.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 5-485 Relé de Partida/ Starter Relay.
ZM 89.810.00 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.00 Mancal Coletor/ C.E. Housing.
ZM 89.817.00 Carcaça Polar/ Polar Yoke.
ZM 83.480.02 Induzido/ Armature.



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

ZM 80.481.02

12V (R) 4.0 kW M100R

APLICAÇÃO /USED ON:

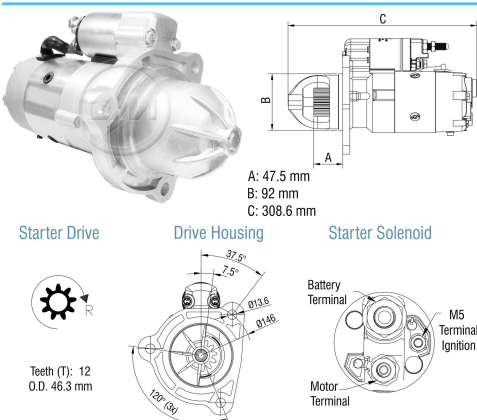
FORD: Cargo 1622, Cargo 2422, Cargo 2425, Cargo 2630.

SUBSTITUI /REPLACE:

FORD: 96HU11001-AA. PRESTOLITE: 35260870.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 486 Relé de Partida/ Starter Relay.
ZM 89.810.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.00 Mancal Coletor/ C.E. Housing.
ZM 89.817.00 Carcaça Polar/ Polar Yoke.
ZM 83.480.02 Induzido/ Armature.



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

ZM 80.481.03

12V (R) 5.0 kW M100R

APLICAÇÃO /USED ON:

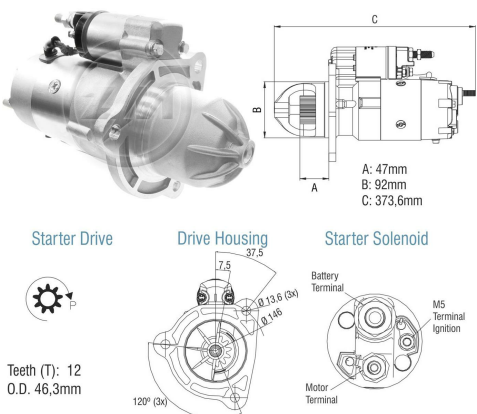
INTERNATIONAL: Heavy Duty Bus 3000 Series, Heavy Duty Bus 3900 Series, Heavy Duty Truck 7100 Series, Heavy Duty Truck 7700 Series, Heavy Duty Truck 8100 Series, Heavy Duty Truck 8600 Series, Medium Truck 2554 Series, Medium Truck 2564 Series, Medium Truck 2654 Series, Medium Truck 4000 Series, Medium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

SUBSTITUI /REPLACE:

PRESTOLITE: 35259730.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 486 Relé de Partida/ Starter Relay.
ZM 89.810.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.00 Mancal Coletor/ C.E. Housing.
ZM 89.817.00 Carcaça Polar/ Polar Yoke.
ZM 83.480.02 Induzido/ Armature.



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



ZM 80.481.04

12V (R) 5.0 kW M100R

APLICAÇÃO /USED ON:

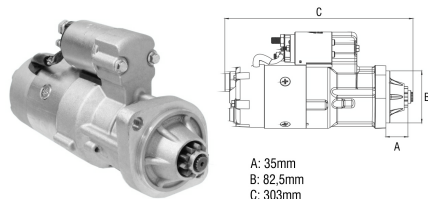
JOHN DEERE: 5320N, 5410, 5520N, 5600, 5700, 6300, 6600, Trator, Trator de Esteira.

SUBSTITUI /REPLACE:

DELCO REMY: 1113271, 1998367. JOHN DEERE: AJ59341, RE509658. PRESTOLITE: 35256424, 35257655, 35258670, 35259580, 35261385. RENAULT: 7702218570.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-485 Relé de Partida/ Starter Relay.
ZM 89.810.02 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.01 Mancal Coletor/ C.E. Housing.
ZM 89.817.00 Carcaça Polar/ Polar Yoke.
ZM 83.480.02 Induzido/ Armature.



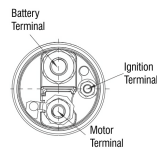
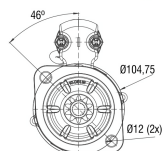
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D.: 32,5mm



ZM 80.481.05

12V (R) 5.0 kW M100R

APLICAÇÃO /USED ON:

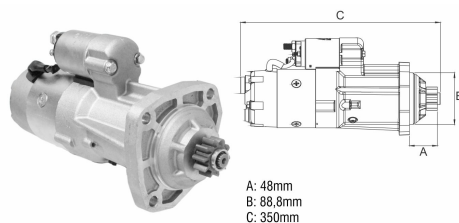
JOHN DEERE: Trator.

SUBSTITUI /REPLACE:

JOHN DEERE: AJ59342, RE509857. PRESTOLITE: 35259590, 35261345.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-485 Relé de Partida/ Starter Relay.
ZM 89.810.03 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.00 Mancal Coletor/ C.E. Housing.
ZM 89.817.00 Carcaça Polar/ Polar Yoke.
ZM 83.480.02 Induzido/ Armature.



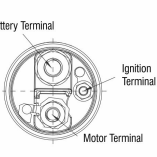
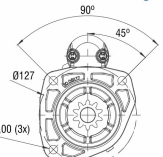
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 10
O.D. 40,00mm



ZM 80.485.01

24V (R) 5,0kW M100R

APLICAÇÃO /USED ON:

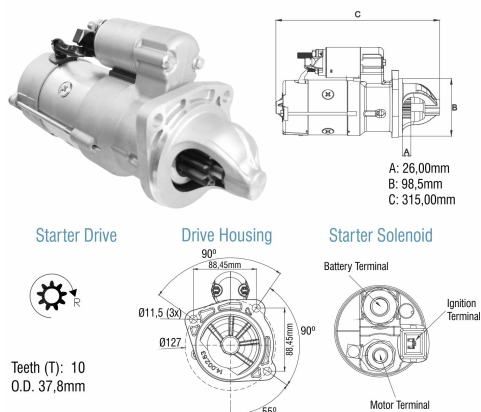
AGRALE: 13000 E, Volare. FIAT-IVECO: Iveco Daily. VOLVO: VM17, VM23.

SUBSTITUI /REPLACE:

MWM: 9.0572.01.0.0092, 9.05720100092. PRESTOLITE: 35259770.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-483 Relé de Partida/ Starter Relay.
ZM 89.810.04 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.02 Mancal Coletor/ C.E. Housing.
ZM 89.817.02 Carcaça Polar/ Polar Yoke.
ZM 83.480.03 Induzido/ Armature.



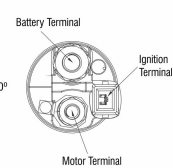
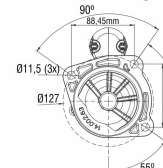
Starter Drive

Drive Housing

Starter Solenoid



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



ZM 80.485.02

24V (R) 5,0kW M100R

APLICAÇÃO /USED ON:

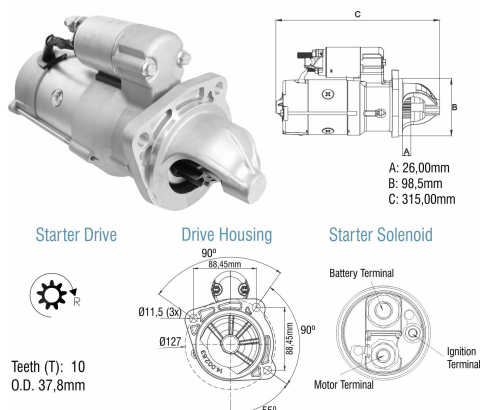
FORD: Cargo 1618, Ônibus B 1618, Ônibus B 1621. MWM: Motor estacionário. VOLKSWAGEN: 16.180, 16.210, 17.210, 17.240 OT, L 80.

SUBSTITUI /REPLACE:

BOSCH: 9.000.453.079. DELCO REMY: 8200357. FORD: TAR911023. ISKRA: 11.130.784, AZJ3282, ISO0784. MITSUBISHI: M009T62571, M009T62572, M9T62571, M9T62572. MWM: 9.0572.01.00080, 905720100080. PRESTOLITE: 35259440. VOLKSWAGEN: 2S0911023.A, 2W0-911-023A, 2W0911023A, TAR-911-023, TAR911023.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 3-485 Relé de Partida/ Starter Relay.
ZM 89.810.04 Mancal de Acionamento/ D.E. Housing.
ZM 89.815.02 Mancal Coletor/ C.E. Housing.
ZM 89.817.02 Carcaça Polar/ Polar Yoke.
ZM 83.480.03 Induzido/ Armature.



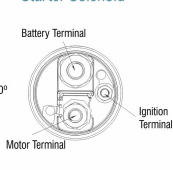
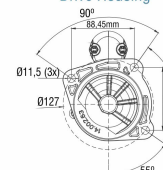
Starter Drive

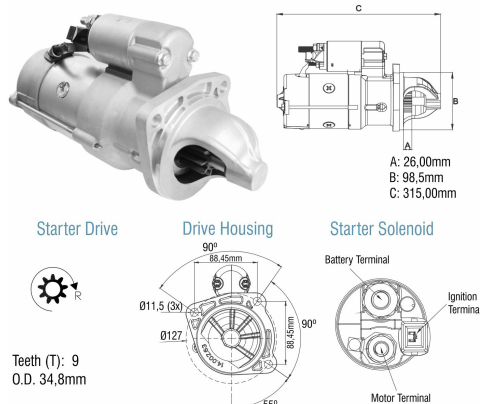
Drive Housing

Starter Solenoid



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





ZM 80.485.03

24V (R) 5,0kW M100R

APLICAÇÃO /USED ON:

AGRALE: Caminhão. Minibus. FIAT-IVECO: Caminhões. MWM: Motor estacionário. VOLVO: Caminhões.

SUBSTITUI /REPLACE:

AGRALE: 6012310091004. MWM: 9.0572.01.00094. 905720100094. PRESTOLITE: 35259780.

COMPONENTES APLICADOS / PARTS APPLIED:

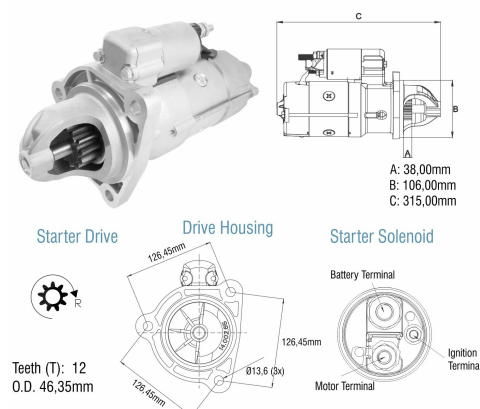
ZM 1-483 Relé de Partida/ Starter Relay.

ZM 89.810.04 Mancal de Acionamento/ D.E. Housing.

ZM 89.815.02 Mancal Coletor/ C.E. Housing.

ZM 89.817.02 Carcaça Polar/ Polar Yoke.

ZM 83.480.03 Induzido/ Armature.



ZM 80,485.04

24V (R) 5,0kW M100R

APLICACÃO /USED ON:

VOLKSWAGEN: Titan.

SUBSTITUI /REPLACE:

PRESTOLITE: 35259460, 35261395. VOLKSWAGEN: 2T0 911 023, 2T0.911.023.

COMPONENTES APLICADOS / PARTS APPLIED:

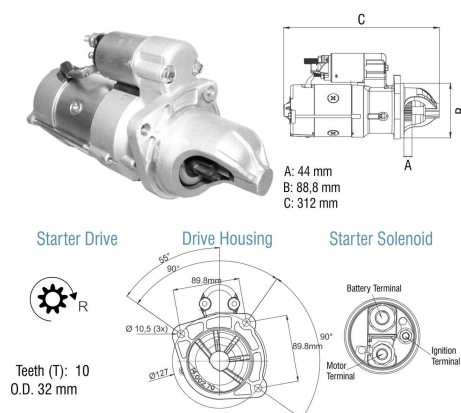
ZM 3-485 Relé de Partida/ Starter Relay.

ZM 89.810.05 Mancal de Acionamento/ D.E. Housing.

ZM 89.815.03 Mancal Coletor/ C.E. Housing.

ZM 89.817.02 Carcaça Polar/ Polar Yoke.

ZM 83.480.03 Induzido/ Armature.



ZM 80.485.05

24V (R) 5,0kW M100R

APLICAÇÃO /USED ON:

CUMMINS: Serie B. VOLKSWAGEN: 10-150, 13.180, 15.190, 17.220, 17.250, 24.250, 26.250, 8-150, 9.150.

SUBSTITUI /REPLACE:

DELCO REMY: 8200292. PRESTOLITE: 35259240, 35262020. VOLKSWAGEN: 2R0.911.023.H, 2T2911023.A, 2W0911023, 2W0911023.B, 2W0911023.C, 2W0911023.D, JNV911023.

COMPONENTES APLICADOS / PARTS APPLIED:

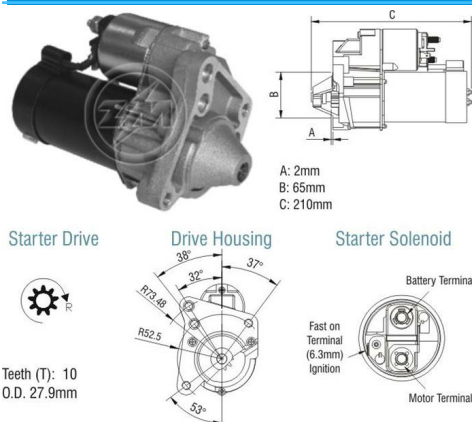
ZM 3-485 Relé de Partida/ Starter Relay.

ZM 89.810.06 Mancal de Acionamento/ D.E. Housing.

ZM 89.815.02 Mancal Coletor/ C.E. Housing.

ZM 89.817.02 Carcaça Polar/ Polar Yoke.

ZM 83.480.03 Induzido/ Armature.



ZM 80.201.01

12V (R) 1,0kW PMGR

APLICAÇÃO /USED ON:

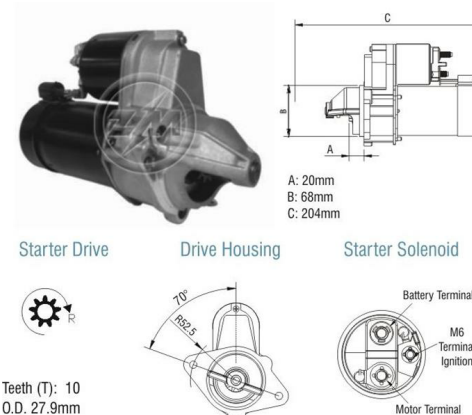
RENAULT: Clio, Laguna, Megane, R19, Scénic.

SUBSTITUI /REPLACE:

BOSCH: 0.001.108.143, 9.000.082.058. VALEO: 432622, D6RA133.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-491 Relé de Partida/ Starter Relay.



ZM 80.201.03

12V (R) 1,2kW PMGR

APLICAÇÃO /USED ON:

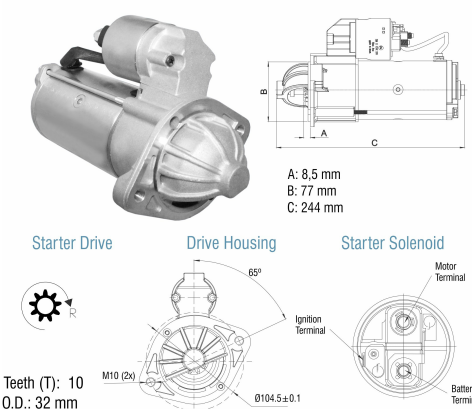
GM-CHEVROLET: Celta, Classic, Corsa.

SUBSTITUI /REPLACE:

BOSCH: F.000.AL0.304. DELCO REMY: 9000981P. GM: 90543872, 93264950. VALEO: 455699, 455973, D6RA162, D6RA249.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 591 Relé de Partida/ Starter Relay.



ZM 80.201.04

12V (R) 2.2KW

APLICAÇÃO /USED ON:

HYUNDAI: H-1, HR, Porter. KIA MOTORS: Bongo K2500. MITSUBISHI: L 200, Pajero.

SUBSTITUI /REPLACE:

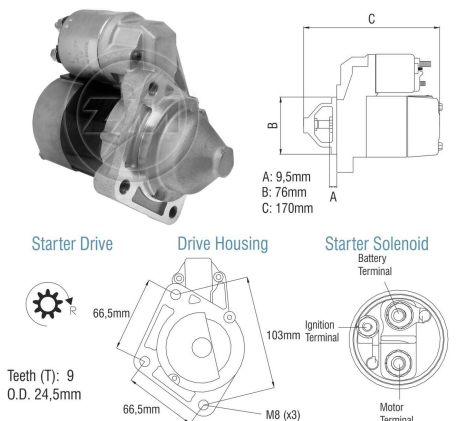
HYUNDAI: 36100-42350. KIA: 36100-42250. VALEO: 36100-42350, TM000A36101.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 5-491 Relé de Partida/ Starter Relay.

ZM 89.215.00 Mancal Coletor/ C.E. Housing.

ZM 83.590.03 Induzido/ Armature.



ZM 80.201.08

12V (R) 1,1kW

APLICAÇÃO /USED ON:

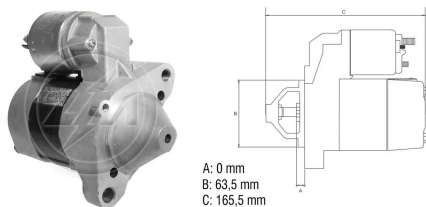
FORD: Courier, Ecosport, Escort, Fiesta, Focus, Ka.

SUBSTITUI /REPLACE:

FORD: 3S65-11000-AA, 3S65-11000-BA, 3S65-11000-CA, 3S65-AA, 3S65-BA, 3S65-CA. VALEO: 438180, D7E33, D7E34, D7E37, D7E43.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 498 Relé de Partida/ Starter Relay.



A: 0 mm
B: 63,5 mm
C: 165,5 mm

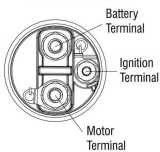
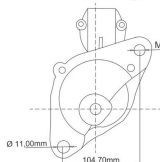
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 25,00 mm



ZM 80.201.09

12V (R) 0,75 KW

APLICAÇÃO /USED ON:

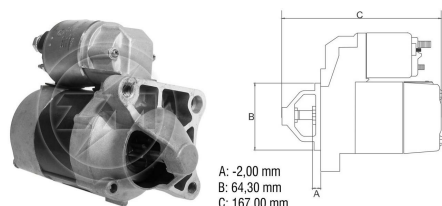
NISSAN: March. RENAULT: Clio, Kangoo, Logan, Sandero.

SUBSTITUI /REPLACE:

DELCO REMY: 102N10014. NISSAN: 23300-0799R. VALEO: D7E24, D7E39.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-498 Relé de Partida/ Starter Relay.



A: -2,00 mm
B: 64,30 mm
C: 167,00 mm

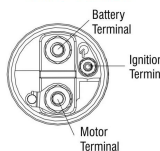
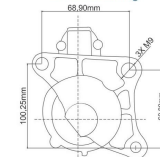
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 8
O.D. 23,92 mm



ZM 80.201.10

12V (R) 0,85 KW

APLICAÇÃO /USED ON:

RENAULT: Clio, Kangoo, Logan, Megane, Sandero, Scénic, Symbol.

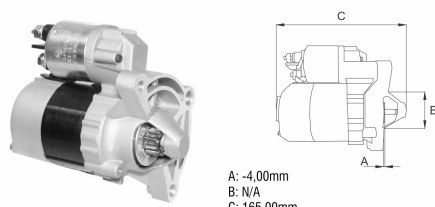
SUBSTITUI /REPLACE:

DELCO REMY: 102N10016. NISSAN: 23300-1105R. RENAULT: 8200049826. VALEO: D7E19, FS10B3.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 6-492 Relé de Partida/ Starter Relay.

ZM 83.590.14 Induzido/ Armature.



A: -4,00mm
B: N/A
C: 165,00mm

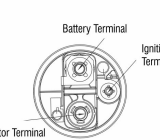
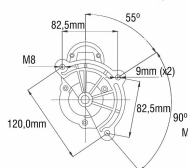
Starter Drive

Drive Housing

Starter Solenoid



Teeth (T): 9
O.D. 25,8mm



ZM 80.201.11

12V (R) 0,85KW

APLICAÇÃO /USED ON:

CITROËN: Berlingo, C3. PEUGEOT: 206, 207, Partner.

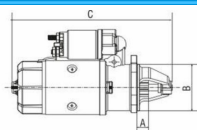
SUBSTITUI /REPLACE:

VALEO: 438129, D7E23.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 2-494 Relé de Partida/ Starter Relay.

ZM 83.590.14 Induzido/ Armature.



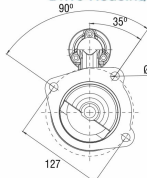
A: 26mm
B: 98,5mm
C: 337mm

Starter Drive

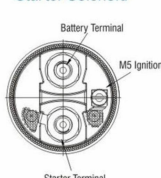


Teeth (T): 9
O.D. 34,80mm

Drive Housing



Starter Solenoid



ZM 80.103.10

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

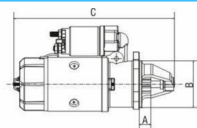
SEM: 616B.

SUBSTITUI /REPLACE:

ZM: 81.103.04.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 536 Relé de Partida/ Starter Relay.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.



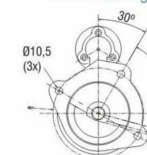
A: 44mm
B: 89mm
C: 336,30mm

Starter Drive

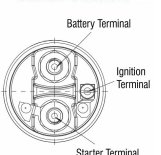


Teeth (T): 10
O.D. 32,00mm

Drive Housing



Starter Solenoid



ZM 80.103.11

24V (R) 4,0kW JF

APLICAÇÃO /USED ON:

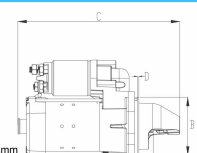
SEM: 638.

SUBSTITUI /REPLACE:

ZM: 81.103.05.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 536 Relé de Partida/ Starter Relay.
ZM 89.120.01 Mancal de Acionamento/ D.E. Housing.
ZM 89.124.00 Mancal Intermediário/ Intermediate Housing.
ZM 89.125.00 Mancal Coletor/ C.E. Housing.
ZM 89.137.00 Carcaça Polar/ Polar Yoke.
ZM 83.531.03 Induzido/ Armature.



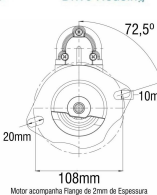
A: 33mm
B: 78mm
C: 283mm
D: 2mm

Starter Drive

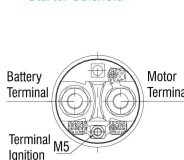


Teeth (T): 11
O.D.: 41mm

Drive Housing



Starter Solenoid



Motor acompanha Flange de 2mm de Espessura

ZM 80.130.07

12V (R) 2,6kW EV

APLICAÇÃO /USED ON:

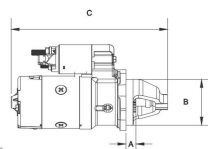
TRAMONTINI: Trator.

SUBSTITUI /REPLACE:

ZM: 81.130.02.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 1-735 Relé de Partida/ Starter Relay.
ZM 89.305.00 Mancal Coletor/ C.E. Housing.
ZM 89.307.00 Carcaça Polar/ Polar Yoke.
ZM 83.130.03 Induzido/ Armature.



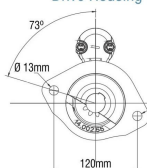
A: 31,90mm
B: 82,00mm
C: 280,70mm

Starter Drive

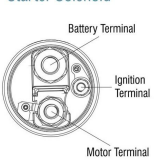


Teeth (T): 11
O.D. 39,65mm

Drive Housing



Starter Solenoid



ZM 80.480.40

12V (R) 3.0 kW M93R

APLICAÇÃO /USED ON:

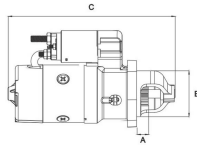
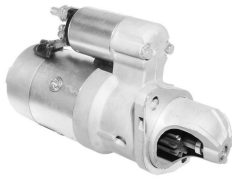
BUDNY: Trator. COOPLANTIO: Trator. COYOTE: Trator. JINMA: Trator.

SUBSTITUI /REPLACE:

ZM: 81.480.01.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 5-485 Relé de Partida/ Starter Relay.
ZM 89.840.05 Mancal de Acionamento/ D.E. Housing.
ZM 89.845.02 Mancal Coletor/ C.E. Housing.
ZM 89.847.00 Carcaça Polar/ Polar Yoke.
ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.
ZM 83.480.01 Induzido/ Armature.



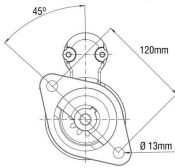
A: 19,00mm
B: 34,00mm
C: 225,00mm

Starter Drive

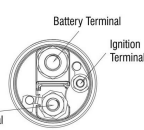


Teeth (T): 11
O.D. 39,67mm

Drive Housing



Starter Solenoid



ZM 80.480.41

12V (R) 3.0kW M93R

APLICAÇÃO /USED ON:

COOPLANTIO: Trator. JINMA: Trator.

SUBSTITUI /REPLACE:

ZM: 81.480.02.

COMPONENTES APLICADOS / PARTS APPLIED:

ZM 5-485 Relé de Partida/ Starter Relay.

ZM 89.845.02 Mancal Coletor/ C.E. Housing.

ZM 89.847.00 Carcaça Polar/ Polar Yoke.

ZM 89.849.00 Kit Reparo da Planetária/Gears Spare Parts.

ZM 83.480.01 Induzido/ Armature.



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
AGCO			BOSCH			BOSCH		
1029 405	80.825.04	035	0.001.359.084	80.102.02	003	9.000.083.073	80.103.09	000
1072 559	80.825.04	035	0.001.362.051	80.102.02	003	9.000.083.077	80.102.07	004
3667 040 M91	80.825.04	035	0.001.367.054	80.102.02	003	9.000.083.082	80.102.04	003
3680 133 M91	80.825.04	035	0.001.367.059	80.102.02	003	9.000.084.007	80.101.01	000
3784 890 M1	80.825.04	035	0.001.367.300	80.102.02	003	9.000.084.012	80.101.02	000
3786 094 M93	80.825.04	035	0.001.367.301	80.102.02	003	9.000.084.013	80.101.05	001
3786 094 M94	80.825.04	035	0.001.367.303	80.102.02	003	9.000.084.019	80.101.03	000
3823 621 M91	80.825.04	035	0.001.371.006	80.135.01	001	9.000.331.432	80.480.14	043
3823 621 M92	80.825.04	035	0.001.371.007	80.135.01	001	9.000.453.033	80.480.02	040
3823 621 M93	80.825.04	035	0.001.410.015	80.101.04	001	9.000.453.068	80.135.02	002
3823 621 M94	80.825.04	035	0.001.410.016	80.101.04	001	9.000.453.074	80.102.06	004
3823 621 M95	80.825.04	035	0.001.410.041	80.101.04	001	9.000.453.074	80.132.06	017
AGRALE			0.001.417.017	80.101.04	001	9.000.453.079	80.103.03	006
6012310091004	80.485.03	046	0.001.417.036	80.101.04	001	9.000.453.079	80.103.06	007
ASIA MOTORS			0.001.417.075	80.840.02	039	9.000.453.079	80.485.02	045
K71118400	80.140.01	028	0.986.011.240	80.102.02	003	9.007.044.014	80.825.02	034
K71F18400	80.140.02	028	0.986.011.440	80.101.04	001	9.009.082.030	80.106.08	009
BOBCAT			0.986.012.831	80.790.01	036	9.009.082.033	80.106.05	008
6651258	80.280.12	022	0.986.012.940	80.103.01	005	9.009.082.050	80.106.04	008
6651664	80.280.12	022	0.986.012.940	80.103.04	006	9.009.082.055	80.106.04	008
BOSCH			0.986.013.480	80.102.02	003	9.009.083.064	80.103.01	005
0.001.107.059	80.110.04	010	0.986.017.020	80.130.03	013	9.009.083.064	80.103.04	006
0.001.107.082	80.110.04	010	0.986.021.480	80.137.01	002	9.009.411.010	80.106.04	008
0.001.108.143	80.201.01	047	9.000.081.001	80.110.01	009	9.009.451.011	80.106.08	009
0.001.109.014	80.110.02	010	9.000.081.002	80.110.01	009	F 042 002 135	80.137.01	002
0.001.109.036	80.110.02	010	9.000.081.006	80.120.01	012	F.000.AL0.106	80.110.06	011
0.001.109.250	80.110.02	010	9.000.081.007	80.120.01	012	F.000.AL0.107	80.110.03	010
0.001.109.300	80.381.01	017	9.000.081.009	80.115.02	011	F.000.AL0.111	80.978.01	018
0.001.109.306	80.130.11	015	9.000.082.033	80.106.05	008	F.000.AL0.125	80.110.01	009
0.001.109.307	80.130.11	015	9.000.082.036	80.106.02	007	F.000.AL0.128	80.132.01	016
0.001.109.344	80.130.09	014	9.000.082.039	80.106.06	008	F.000.AL0.135	80.132.03	016
0.001.109.371	80.130.11	015	9.000.082.040	80.106.06	008	F.000.AL0.136	80.132.02	016
0.001.109.375	80.130.11	015	9.000.082.045	80.106.08	009	F.000.AL0.137	80.132.04	017
0.001.110.112	80.110.02	010	9.000.082.046	80.106.01	007	F.000.AL0.138	80.132.06	017
0.001.218.159	80.130.03	013	9.000.082.046	80.106.07	009	F.000.AL0.139	80.132.05	017
0.001.218.162	80.110.02	010	9.000.082.047	80.106.07	009	F.000.AL0.300	80.115.02	011
0.001.218.168	80.130.01	013	9.000.082.050	80.106.04	008	F.000.AL0.304	80.115.01	011
0.001.218.168	80.480.14	043	9.000.082.058	80.106.03	008	F.000.AL0.304	80.201.03	047
0.001.218.174	80.130.09	014	9.000.082.058	80.201.01	047	F.000.AL0.306	80.115.05	012
0.001.218.760	80.110.02	010	9.000.082.063	80.106.02	007	F.000.AL0.309	80.115.03	011
0.001.218.774	80.130.09	014	9.000.082.077	80.106.01	007	F.000.AL0.329	80.115.05	012
0.001.223.003	80.130.11	015	9.000.083.014	80.102.01	002	F.000.AL0.401	80.125.01	012
0.001.223.005	80.110.02	010	9.000.083.027	80.102.01	002	F.000.AL0.402	80.125.02	012
0.001.223.007	80.130.11	015	9.000.083.028	80.102.02	003	F.000.AL0.414	80.125.01	012
0.001.223.010	80.130.05	014	9.000.083.029	80.102.01	002	F.000.AL0.415	80.125.02	012
0.001.223.010	80.480.17	044	9.000.083.035	80.102.03	003	F.000.AL0.502	80.120.01	012
0.001.223.013	80.130.02	013	9.000.083.036	80.102.04	003	F.000.AL0.507	80.120.01	012
0.001.223.024	80.130.11	015	9.000.083.042	80.102.19	005	F.002.G20.904	80.291.04	025
0.001.223.505	80.130.06	014	9.000.083.053	80.102.01	002	F.042.000.120	80.141.01	030
0.001.230.021	80.130.10	015	9.000.083.053	80.132.02	016	F.042.002.187	80.132.01	016
0.001.230.022	80.825.01	034	9.000.083.054	80.102.02	003	F000AL0133	80.480.16	043
0.001.231.002	80.130.04	013	9.000.083.054	80.132.01	016	F042003085	80.840.01	039
0.001.231.011	80.130.12	015	9.000.083.055	80.102.03	003	SR923X	80.102.02	003
0.001.231.016	80.130.08	014	9.000.083.055	80.132.03	016	CARGO		
0.001.231.033	80.130.04	013	9.000.083.056	80.102.04	003	113451	80.130.03	013
0.001.231.033	80.291.02	024	9.000.083.056	80.132.04	017	CASE		
0.001.231.034	80.895.02	037	9.000.083.056	80.480.02	040	104452A1	80.140.04	029
0.001.241.001	80.137.01	002	9.000.083.058	80.102.20	005	104452A2	80.140.04	029
0.001.241.001	80.890.05	038	9.000.083.059	80.102.19	005	104452A2R	80.140.04	029
0.001.260.025	80.825.03	034	9.000.083.063	80.103.07	007	187566C1	80.141.02	030
0.001.260.026	80.825.03	034	9.000.083.064	80.103.01	005	1987559C1	80.140.04	029
0.001.261.001	80.137.01	002	9.000.083.064	80.103.04	006	1987566C1	80.141.02	030
0.001.261.002	80.137.01	002	9.000.083.065	80.103.02	006	4500732891	80.280.12	022
0.001.261.026	80.137.01	002	9.000.083.065	80.103.05	006	47111575	80.825.03	034
0.001.261.027	80.137.01	002	9.000.083.069	80.102.17	004	47715263	80.825.01	034
0.001.261.028	80.137.01	002	9.000.083.071	80.102.05	004	4897223	80.825.01	034
0.001.358.048	80.102.02	003	9.000.083.071	80.132.05	017	596493892	80.280.12	022
0.001.359.043	80.102.02	003	9.000.083.072	80.102.18	005	75259789	80.280.08	021



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
CASE			CUMMINS			DELCO REMY		
75323042	80.280.03	019	3957586	80.140.04	029	19026028	80.380.03	026
82015723	80.825.02	034	3957592	80.141.01	030	19026029	80.380.03	026
82021372	80.825.02	034	3957593	80.141.01	030	19026030	80.380.02	026
84284540	80.825.03	034	3957594	80.140.04	029	19070037	80.135.01	001
86982709	80.140.04	029	3970101	80.141.01	030	19070039	80.280.04	020
86982709R	80.140.04	029	3978387	80.380.03	026	1988708	80.280.01	019
87350916	80.140.04	029	4078516	80.456.03	027	1990352	80.456.01	027
9800888	80.280.11	022	J934119	80.141.01	030	1990483	80.456.01	027
A170745	80.140.04	029	DAF			1993874	80.450.01	025
A170746	80.140.04	029	1516656R	80.135.01	001	1993874	80.481.01	044
A170756	80.140.04	029	1516663R	80.130.09	014	1998367	80.481.04	045
AR170746	80.140.04	029	1516704R	80.132.01	016	1998408	80.280.01	019
D129494	80.141.02	030	1524014R	80.381.01	017	1998423	80.280.01	019
E067184	80.101.02	000	DELCO REMY			1998456	80.280.01	019
E155737	80.103.01	005	102N10014	80.201.09	048	1998457	80.280.01	019
E155737	80.103.04	006	102N10016	80.201.10	048	1998490	80.280.01	019
E157580	80.102.19	005	10461445	80.280.11	022	1998506	80.280.01	019
CATERPILLAR			10461446	80.280.09	021	8000032	80.130.03	013
100-6929	80.141.04	031	10461447	80.280.09	021	8000567	80.130.03	013
112-1767	80.140.08	029	10461450	80.280.12	022	8200003	80.290.01	023
1252988	80.895.01	037	10461451	80.280.12	022	8200004	80.291.01	024
142-0539	80.140.08	029	10461461	80.280.03	019	8200005	80.380.03	026
143-0538	80.140.08	029	10461470	80.280.04	020	82000168	80.130.04	013
143-0539	80.140.08	029	10461474	80.280.13	022	8200025	80.380.03	026
143-0541	80.141.04	031	10461486	80.280.10	021	8200053	80.380.01	026
143-0543	80.141.04	031	10461769	80.380.03	026	8200072	80.380.02	026
1G9963	80.141.04	031	10462469	80.280.10	021	8200072	80.840.02	039
225-3150	80.141.04	031	10465026	80.280.01	019	8200138	80.291.02	024
225-7304	80.141.04	031	10465043	80.280.01	019	8200236	80.481.01	044
2Y1920	80.101.01	000	10465044	80.280.09	021	8200292	80.485.05	046
3E7905	80.140.08	029	10465046	80.280.09	021	8200295	80.280.05	020
6V0492	80.140.08	029	10465049	80.280.12	022	8200295	80.290.01	023
OR4316	80.140.08	029	10465050	80.280.12	022	8200296	80.280.06	020
OR4319	80.140.08	029	10465058	80.280.11	022	8200296	80.291.01	024
CHRYSLER			10465407	80.280.01	019	8200297	80.291.02	024
A 005 151 2201	80.280.04	020	10478937	80.456.03	027	8200326	80.290.02	023
CITROËN			10478998	80.456.03	027	8200326	80.480.10	042
5802V4	80.130.03	013	10479009	80.456.02	027	8200331	80.290.03	023
5802Z0	80.130.02	013	10479010	80.456.03	027	8200356	80.380.03	026
CLAAS			10479119	80.456.03	027	8200357	80.291.03	025
1053560	80.102.02	003	10479292	80.135.02	002	8200357	80.485.02	045
6853810	80.102.02	003	10479302	80.450.02	026	8200400	80.290.04	024
CUMMINS			10479605	80.280.03	019	8200474	80.291.04	025
1912211	80.140.04	029	10479621	80.280.01	019	8200478	80.290.03	023
3279169	80.456.03	027	10479623	80.280.10	021	8200486	80.380.01	026
3604485NW	80.140.04	029	10479626	80.280.04	020	8200511	80.290.01	023
3604485RX	80.140.04	029	10479626	80.291.02	024	8200512	80.291.01	024
3604648RX	80.280.01	019	10479634	80.280.13	022	8200519	80.840.01	039
3604660NW	80.140.04	029	10479640	80.280.07	021	8200849	80.290.02	023
3604660RX	80.140.04	029	10479643	80.280.07	021	8200850	80.291.03	025
3604677RX	80.280.10	021	10479646	80.280.05	020	82010297	80.291.02	024
3675154NW	80.140.04	029	10479650	80.280.04	020	9000981P	80.201.03	047
3675154RX	80.140.04	029	10479650	80.291.02	024	DRS 5134	80.280.01	019
3675204RX	80.280.02	019	10479651	80.280.05	020	DRS0052	80.680.01	033
3675248RX	80.141.01	030	10479651	80.290.01	023	DRS7020	80.130.03	013
3675758RX	80.141.01	030	10479652	80.280.06	020	DRS7490	80.130.09	014
3904466	80.140.04	029	10479652	80.291.01	024	DS1162	80.680.01	033
3906960	80.140.04	029	10479654	80.280.08	021	DENSO		
3916854	80.280.01	019	1113271	80.481.04	045	03111-4020	80.140.02	028
3918377	80.280.02	019	1113273	80.280.11	022	128000-0040	80.140.01	028
3920403	80.140.04	029	1113275	80.280.09	021	128000-0210	80.140.04	029
3920643	80.140.04	029	1113276	80.280.01	019	128000-0211	80.140.04	029
3920644	80.141.01	030	1113277	80.280.02	019	128000-0212	80.140.04	029
3922474	80.141.01	030	1113278	80.280.09	021	128000-0213	80.140.04	029
3926932	80.280.02	019	1113281	80.280.12	022	128000-0214	80.140.04	029
3926960	80.140.04	029	1113282	80.280.12	022	128000-0215	80.140.04	029
3934119	80.141.01	030	1113291	80.280.10	021	128000-0216	80.140.04	029
3936148	80.280.07	021	1113593	80.280.01	019	128000-0540	80.140.04	029



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
DENSO			DENSO			FORD		
128000-0541	80.140.04	029	228000-9140	80.140.06	029	F3HT-11001-DB	80.280.12	022
128000-0542	80.140.04	029	280-7045	80.140.10	030	F3HT-11001-DC	80.280.12	022
128000-0543	80.140.04	029	428000-3390	80.705.02	031	F3HZ-11002-B	80.280.12	022
128000-0544	80.140.04	029	428000-4080	80.140.06	029	F4HT-11001-BA	80.280.12	022
128000-0545	80.140.04	029	63521093	80.130.03	013	F7HT-11001-AC	80.280.13	022
128000-2270	80.140.04	029	TG228000-8083	80.140.06	029	F7HZ-11002-AB	80.280.13	022
128000-2271	80.140.04	029	FAUN			F87U-11000-DA	80.761.04	032
128000-2272	80.140.04	029	1701054	80.102.02	003	F87U-11000-DB	80.761.04	032
128000-2273	80.140.04	029	FIAT			F87U-11000-DC	80.761.04	032
128000-2560	80.141.02	030	130019808	80.130.03	013	F87U-11000-DD	80.761.04	032
128000-2561	80.141.02	030	1329201080	80.130.02	013	F87U-11000-DE	80.761.04	032
128000-2562	80.141.02	030	1347058080	80.381.01	017	F87U-DA	80.761.04	032
128000-2563	80.141.02	030	1349920080	80.130.02	013	F87U-DB	80.761.04	032
128000-9500	80.140.04	029	465 217 860	80.115.02	011	F87U-DC	80.761.04	032
128000-9501	80.140.04	029	46521786	80.115.02	011	F87U-DD	80.761.04	032
128000-9502	80.140.04	029	46521787	80.115.02	011	F87U-DE	80.761.04	032
128000-9503	80.140.04	029	46758240	80.130.02	013	NAN500210	80.130.01	013
228000-0621	80.140.04	029	47132888	80.130.10	015	NNN500210	80.130.01	013
228000-0622	80.140.04	029	4737534	80.130.10	015	SA-803	80.280.12	022
228000-0623	80.140.04	029	47715263	80.825.01	034	TAR-911023	80.103.03	006
228000-0630	80.141.01	030	50001602	80.106.06	008	TAR-911023	80.103.06	007
228000-0631	80.141.01	030	50004908	80.110.01	009	TAR911023	80.485.02	045
228000-0632	80.141.01	030	50008582	80.115.02	011	TJB-911023B	80.102.07	004
228000-0633	80.141.01	030	71789529	80.381.01	017	TJG-911023D	80.102.06	004
228000-1350	80.140.08	029	75019950	80.106.06	008	XC3U-11000-BA	80.130.05	014
228000-1351	80.140.08	029	75207601	80.103.01	005	XC3U-11000-CA	80.130.06	014
228000-1352	80.140.08	029	75207601	80.103.04	006	XC3U10000-BA	80.480.17	044
228000-1420	80.140.08	029	80296470	80.130.02	013	XC45-11001-CA	80.102.06	004
228000-1421	80.140.08	029	84151331	80.825.01	034	ZBA9-11023-A	80.106.08	009
228000-1422	80.140.08	029	87318735	80.825.01	034	ZBC 911 023	80.106.04	008
228000-1750	80.141.01	030	87318759	80.825.02	034	GM		
228000-1751	80.141.01	030	87583926	80.825.01	034	52257049	80.106.02	007
228000-1752	80.141.01	030	87653219	80.825.01	034	52270037	80.106.02	007
228000-1830	80.141.04	031	87653221	80.825.02	034	90543872	80.201.03	047
228000-1831	80.141.04	031	87755560	80.825.02	034	905720100083	80.480.15	043
228000-1832	80.141.04	031	93828721	80.130.09	014	93209031	80.102.03	003
228000-3840	80.140.01	028	FORD			93264950	80.201.03	047
228000-3841	80.140.01	028	1L541100AA	80.480.13	043	93288991	80.115.01	011
228000-3842	80.140.01	028	1L5T-11000-AA	80.761.03	032	94626808	80.106.05	008
228000-4670	80.140.04	029	1L5T-AA	80.761.03	032	94628321	80.106.02	007
228000-4671	80.140.04	029	1L5Z-11002-AA	80.761.03	032	GM-CHEVROLET		
228000-5020	80.140.03	028	1L5Z-11002-AARM	80.761.03	032	52270037	80.106.03	008
228000-5281	80.140.06	029	2C35-11001-AA	80.130.05	014	HITACHI		
228000-5640	80.141.03	030	2C35-11001-AA	80.480.17	044	S1277	80.680.01	033
228000-5641	80.141.03	030	3M5T11000-AE	80.761.05	032	S13124	80.680.01	033
228000-6530	80.140.06	029	3S65-11000-AA	80.201.08	047	S13132	80.680.01	033
228000-6531	80.140.06	029	3S65-11000-BA	80.201.08	047	S1324	80.680.01	033
228000-6532	80.140.06	029	3S65-11000-CA	80.201.08	047	S13294	80.680.01	033
228000-6540	80.140.06	029	3S65-AA	80.201.08	047	S13332	80.680.01	033
228000-6541	80.140.06	029	3S65-BA	80.201.08	047	S1394	80.680.01	033
228000-6640	80.141.01	030	3S65-CA	80.201.08	047	S1394A	80.680.01	033
228000-6641	80.141.01	030	4C45-11001-BB	80.290.03	023	HONDA		
228000-6670	80.141.01	030	4C4511001BA	80.480.04	040	31200-PWA-901	80.705.02	031
228000-6671	80.141.01	030	4L55-11000-44	80.761.03	032	31200-PWA-901RM	80.705.02	031
228000-6980	80.140.04	029	5479-11023-D	80.110.01	009	DSKEF	80.705.02	031
228000-6981	80.140.04	029	6C45-11001-AA	80.380.02	026	HYSTER		
228000-7810	80.140.10	030	6L5T-11000-AA	80.761.03	032	1388721	80.140.10	030
228000-7870	80.140.06	029	6L5T-AA	80.761.03	032	2314322	80.106.21	009
228000-7871	80.140.06	029	6L5Z-11002-AA	80.761.03	032	3042511	80.280.12	022
228000-7873	80.140.06	029	6L5Z-11002-AARM	80.761.03	032	3114941	80.140.10	030
228000-7900	80.141.01	030	7C45-11001-AA	80.290.03	023	313394	80.280.09	021
228000-7901	80.141.01	030	96HU-11001-AA	80.450.01	025	HYUNDAI		
228000-7902	80.141.01	030	96HU11001-AA	80.481.02	044	36100-42350	80.201.04	047
228000-8080	80.140.06	029	AC4511001BB	80.480.04	040	ISKRA		
228000-8081	80.140.06	029	AX1100HA	80.480.14	043	11.130.627	80.825.02	034
228000-8082	80.140.06	029	BC-4511001-BA	80.291.04	025	11.130.784	80.485.02	045
228000-8083	80.140.06	029	BF5T-11001-AA	80.130.01	013	11.130.836	80.825.03	034
228000-9100	80.140.04	029	ERR5009	80.130.01	013	11.130.999	80.825.01	034



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
ISKRA			ISKRA			KOMATSU		
11.131.027	80.825.02	034	IS0897	80.825.03	034	1268855H91	80.280.10	021
11.131.117	80.380.03	026	IS09436	80.130.03	013	1283272H91	80.280.12	022
11.131.213	80.380.03	026	IS0999	80.825.01	034	600-863-4110	80.141.01	030
11.131.228	80.825.04	035	IS1016	80.825.02	034	600-863-4210	80.141.01	030
11.131.249	80.825.03	034	IS1071	80.825.04	035	600-863-4510	80.141.01	030
11.131.397	80.825.04	035	IS1109	80.130.10	015	6107214	80.103.07	007
11.131.410	80.825.04	035	IS1164	80.130.11	015	673-381-6510	80.141.01	030
11.131.430	80.825.02	034	IS1169	80.130.12	015	KÄSSBOHRER		
11.131.464	80.825.01	034	IS9148	80.135.01	001	7 431 023 000	80.101.04	001
11.131.508	80.825.04	035	IS9438	80.130.09	014	7 431 027 000	80.103.01	005
11.131.520	80.825.01	034	ISO0784	80.485.02	045	7 431 027 000	80.103.04	006
11.131.542	80.825.03	034	IVECO			LANCIA		
11.131.550	80.825.01	034	1329201080	80.130.02	013	130019808	80.130.03	013
11.131.560	80.130.11	015	2994100	80.130.11	015	46521786	80.115.02	011
11.131.705	80.825.02	034	2995104	80.130.12	015	50001602	80.106.06	008
11.131.706	80.825.01	034	2995138	80.141.03	030	75019950	80.106.06	008
11.131.727	80.825.03	034	2997760	80.130.12	015	LESTER		
11.131.785	80.825.02	034	42498714	80.141.03	030	16408	80.106.04	008
11.131.824	80.825.01	034	4892338	80.130.08	014	17106	80.102.02	003
11.131.839	80.380.03	026	500307724	80.130.11	015	6571	80.280.11	022
11.131.968	80.825.03	034	500325137	80.130.12	015	6573	80.280.01	019
11.131.972	80.825.01	034	500389864	80.825.01	034	6574	80.280.02	019
11.131.973	80.825.04	035	504036476	80.130.10	015	6576	80.280.12	022
11.132.072	80.825.01	034	504042667	80.890.02	038	6582	80.280.10	021
11.132.073	80.825.01	034	504086888	80.130.11	015	6584	80.280.09	021
11.132.174	80.825.03	034	504163666	80.825.01	034	6594	80.280.03	019
11.132.175	80.825.04	035	504201467	80.130.11	015	6603	80.280.13	022
11.132.260	80.130.10	015	504357110	80.130.10	015	6605	80.280.04	020
11.132.283	80.825.01	034	50436476	80.130.10	015	LUCAS		
11.132.356	80.825.03	034	5801394270	80.825.01	034	LRS01308	80.680.01	033
11.132.359	80.825.03	034	69502571	80.130.11	015	LRS02361	80.825.03	034
11.139.443	80.130.03	013	8029647	80.130.02	013	LRS1308	80.680.01	033
111.391.64	80.135.01	001	84151331	80.825.01	034	MAN		
AZE4142	80.130.03	013	87524725	80.825.01	034	2P0.911.023B	80.290.04	024
AZF3405	80.825.03	034	99451753	80.130.09	014	2T0.911.023.B	80.450.02	026
AZF4102	80.825.04	035	JOHN DEERE			2T2-911-023-B	80.895.02	037
AZF4111	80.825.04	035	AJ59341	80.481.04	045	36262016003	80.130.04	013
AZF4115	80.825.02	034	AJ59342	80.481.05	045	51-26201-7236	80.895.02	037
AZF4122	80.825.01	034	RE501294	80.140.06	029	51262017236	80.895.02	037
AZF4132	80.825.04	035	RE501298	80.140.06	029	MARELLI		
AZF4135	80.825.01	034	RE506105	80.140.06	029	63114014	80.130.03	013
AZF4141	80.825.03	034	RE509658	80.481.04	045	MASSEY FERGUSON		
AZF4143	80.825.01	034	RE509857	80.481.05	045	1903103M91	80.280.12	022
AZF4183	80.825.02	034	RE528619	80.140.06	029	1903117M91	80.280.12	022
AZF4184	80.825.01	034	RE529661	80.140.06	029	3784 890 M1	80.825.04	035
AZF4190	80.825.03	034	RE69704	80.140.06	029	517533M93	80.280.12	022
AZF4219	80.825.01	034	RE70473	80.140.06	029	579937M91	80.280.12	022
AZF4261	80.825.03	034	RE70957	80.140.06	029	6213994M1	80.481.01	044
AZF4263	80.825.01	034	RE70959	80.140.06	029	MAXION		
AZF4264	80.825.04	035	RE70975	80.140.06	029	191068M94	80.102.18	005
AZF4290	80.825.01	034	RE804244	80.140.06	029	2834390M91	80.102.03	003
AZF4291	80.825.01	034	SE501403	80.140.06	029	74045	80.102.19	005
AZF4320	80.825.03	034	SE501853	80.140.06	029	74156	80.102.03	003
AZF4321	80.825.04	035	SE501866	80.140.06	029	ERR5009A	80.130.01	013
AZF4355	80.825.01	034	TY24439	80.140.06	029	MAZDA		
AZF4369	80.825.03	034	TY24440	80.140.06	029	1F2018-400A	80.761.03	032
AZF4370	80.825.03	034	KHD			FFSC-18-400	80.106.21	009
AZF4511	80.825.02	034	0144 44 07 25	80.101.04	001	FFSC-18-400	80.790.01	036
AZF4513	80.825.03	034	116 2639	80.101.04	001	FFSC-18-400A	80.106.21	009
AZF4535	80.825.01	034	336 0745	80.101.04	001	FFSC-18-400A	80.790.01	036
AZF4569	80.825.04	035	D8R 24X6 H7623	80.101.04	001	FFSE-18-400	80.790.01	036
AZF4839	80.825.02	034	KIA			FFSN-18-400	80.790.01	036
AZJ3201	80.825.02	034	0K71118400	80.140.01	028	FFSO-18-400	80.106.21	009
AZJ3282	80.485.02	045	0K71118400B	80.140.01	028	RF01-18-400	80.140.01	028
AZJ3405	80.825.03	034	0K71118400C	80.140.01	028	RF01-18-400A	80.140.01	028
AZJ3450	80.135.01	001	0K71F18400	80.140.02	028	RF01-18-400B	80.140.01	028
IS0627	80.825.02	034	36100-42250	80.201.04	047	RF01-18-400C	80.140.01	028
IS0836	80.825.03	034	AA30118400	80.140.01	028	MERCEDES-BENZ		



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
MERCEDES-BENZ			MITSUBISHI			MWM		
0 011 513 901	80.101.04	001	1534424	80.790.01	036	905720100079	80.102.07	004
0 011 519 401	80.102.02	003	2314322	80.790.01	036	905720100080	80.485.02	045
0 021 519 401	80.102.02	003	3114995	80.790.01	036	905720100093	80.290.02	023
0 031 510 501	80.102.02	003	M000T84381	80.106.21	009	905720100093	80.480.10	042
0 031 511 301	80.103.01	005	M002T56182	80.893.01	036	905720100094	80.485.03	046
0 031 511 301	80.103.04	006	M002T87671	80.993.01	036	905720100111	80.290.02	023
0 031 516 601	80.101.04	001	M008T60871	80.895.01	037	NEW HOLLAND		
0 031 517 301	80.102.02	003	M008T62671	80.895.02	037	162000090722	80.825.03	034
0 031 518 701	80.102.02	003	M008T62671AM	80.895.02	037	4897223	80.825.01	034
0 041 512 201	80.102.02	003	M009T61171	80.890.01	037	75323042	80.280.03	019
0 041 518 401	80.130.04	013	M009T61671	80.890.02	038	82.032.859	80.825.01	034
0 041 518 401	80.280.04	020	M009T62171	80.890.01	037	820.131.34	80.825.02	034
0 051 512 001	80.130.04	013	M009T62172	80.890.01	037	820.141.60	80.825.02	034
0 051 512 001	80.280.04	020	M009T62173	80.890.01	037	87693781	80.825.03	034
0 051 516 401	80.840.01	039	M009T62571	80.485.02	045	87751000	80.825.03	034
0 061 511 501	80.840.01	039	M009T62572	80.485.02	045	99432760	80.141.03	030
0 061 512 201	80.130.04	013	M009T62572ZA	80.890.03	038	99432760R	80.141.03	030
0 061 512 201	80.280.04	020	M009T62671	80.890.04	038	NISSAN		
0 061 512 203	80.130.04	013	M009T65271	80.291.02	024	23300-0799R	80.201.09	048
0 061 512 203	80.280.04	020	M009T80472	80.840.01	039	23300-1105R	80.201.10	048
0 061 516 901	80.840.01	039	M009T80473	80.840.01	039	PERKINS		
0 071 510 401	80.840.01	039	M009T82171	80.840.02	039	2873K632	80.825.04	035
004 151 63 01	80.110.02	010	M009T83671	80.840.01	039	PEUGEOT		
004 151 67 01	80.110.02	010	M009T84771	80.840.01	039	5802AQ	80.381.01	017
004 151 71 01	80.110.02	010	M0T84381	80.790.01	036	5802V4	80.130.03	013
004 151 89 01	80.110.02	010	M0T84381A	80.790.01	036	5802Z0	80.130.02	013
004 151 92 01	80.110.02	010	M0T92581	80.790.01	036	PIC		
004 151 97 01	80.110.02	010	M1T79781	80.790.02	036	102-234	80.106.04	008
004 154 63 01	80.110.02	010	M2T56181	80.893.01	036	120-024	80.106.03	008
004 154 67 01	80.110.02	010	M2T56182	80.893.01	036	120-150A	80.106.02	007
004 154 71 01	80.110.02	010	M3T10473	80.790.01	036	120-5073	80.106.06	008
0041512401	80.135.02	002	M3T10475	80.790.01	036	120-514	80.102.02	003
005 151 13 01	80.110.02	010	M3T10476	80.790.01	036	120-518	80.102.02	003
005 151 66 01	80.110.02	010	M8T60871	80.895.01	037	120-518B	80.102.02	003
007 151 89 01	80.110.02	010	M8T62671	80.895.02	037	120-518C	80.102.02	003
007 151 92 01	80.110.02	010	M8T62671AM	80.895.02	037	120-524	80.102.02	003
3 431 517 001	80.102.01	002	M9T61171	80.380.02	026	120-6087D	80.101.02	000
3 431 517 101	80.102.02	003	M9T61171	80.890.01	037	120-6249	80.102.04	003
3 431 517 201	80.103.01	005	M9T61671	80.890.02	038	140-903	80.280.03	019
3 431 517 201	80.103.04	006	M9T62172	80.890.01	037	140-917	80.280.02	019
3 431 517 301	80.103.07	007	M9T62173	80.890.01	037	140-919	80.280.10	021
3 441 510 501	80.102.05	004	M9T62571	80.291.03	025	140-920	80.280.01	019
3 441 517 301	80.103.07	007	M9T62571	80.485.02	045	140-920A	80.280.13	022
3 441 517 401	80.103.02	006	M9T62572	80.485.02	045	140-921	80.280.11	022
3 441 517 401	80.103.05	006	M9T62572 ZA	80.291.03	025	140-924	80.280.12	022
3431517101	80.132.01	016	M9T62572ZA	80.890.03	038	140-946	80.280.04	020
A 0 011 519 401	80.102.02	003	M9T62671	80.890.04	038	140-962	80.280.09	021
A 0 021 519 401	80.102.02	003	M9T65271	80.291.02	024	182-162	80.102.02	003
A 0 031 510 501	80.102.02	003	M9T65971	80.890.05	038	182-242	80.102.07	004
A 0 031 517 301	80.102.02	003	M9T65971ZA	80.890.05	038	182-387	80.102.06	004
A 0 031 518 701	80.102.02	003	M9T80472	80.840.01	039	902-450	80.101.02	000
A 0 041 512 201	80.102.02	003	M9T80473	80.840.01	039	902-457	80.101.03	000
A 0 041 515 801	80.102.02	003	M9T82171	80.380.02	026	980-006	80.102.02	003
A 0 051 517 601	80.280.04	020	M9T82171	80.840.02	039	POONGSUNG		
A 0 051 518 301	80.280.05	020	M9T83671	80.840.01	039	031013050	80.140.01	028
A 0 051 518 501	80.280.06	020	M9T84771	80.840.01	039	031013051	80.140.01	028
A 005 151 2201	80.291.02	024	MK666919	80.130.11	015	PRESTOLITE		
A 005 151 8301	80.290.01	023	MWM			35256424	80.481.04	045
A 005 151 8501	80.291.01	024	7001643C1	80.291.03	025	35257655	80.481.04	045
A 005 151 8502	80.291.01	024	9 0572 01 0 074	80.102.04	003	35258240	80.480.02	040
A 006 151 2101	80.291.02	024	9 0572 01 0 080	80.103.03	006	35258580	80.480.15	043
A 006 151 6701	80.291.02	024	9 0572 01 0 080	80.103.06	007	35258660	80.480.14	043
A 3 431 517 201	80.103.01	005	9 0592 01 0 0077	80.102.17	004	35258670	80.481.04	045
A 3 431 517 201	80.103.04	006	9.0572.01.0.0091	80.480.02	040	35258910	80.480.15	043
A 376 151 0201	80.290.01	023	9.0572.01.0.0092	80.485.01	045	35259030	80.130.03	013
A 376 151 0301	80.291.01	024	9.0572.01.00080	80.485.02	045	35259170	80.480.13	043
A 376 151 0401	80.290.01	023	9.0572.01.00094	80.485.03	046	35259240	80.485.05	046
A 376 151 0501	80.291.01	024	9.05720100092	80.485.01	045	35259360	80.825.03	034



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
PRESTOLITE			TOYOTA			VOLKSWAGEN		
35259390	80.480.07	041	28100-67050	80.140.03	028	2W0911023A	80.485.02	045
35259430	80.290.02	023	28100-67070	80.978.01	018	3059110233	80.106.07	009
35259430	80.480.05	041	VALEO			377911023P	80.125.01	012
35259440	80.103.03	006	36100-42350	80.201.04	047	5X39-11023	80.120.01	012
35259440	80.291.03	025	432622	80.201.01	047	622679	80.106.08	009
35259440	80.485.02	045	438129	80.201.11	048	663396	80.106.01	007
35259450	80.481.01	044	438179	80.125.02	012	711908	80.106.07	009
35259460	80.485.04	046	438180	80.201.08	047	80303	80.110.01	009
35259580	80.481.04	045	455699	80.201.03	047	911910235	80.106.01	007
35259590	80.481.05	045	455973	80.201.03	047	JNV911023	80.485.05	046
35259600	80.480.07	041	D6RA133	80.201.01	047	TAR-911-023	80.485.02	045
35259620	80.480.08	041	D6RA162	80.201.03	047	TAR-911023	80.103.03	006
35259640	80.480.03	040	D6RA249	80.201.03	047	TAR-911023	80.103.06	007
35259680	80.132.01	016	D7E19	80.201.10	048	TAR911023	80.485.02	045
35259730	80.481.03	044	D7E23	80.201.11	048	TF3.911.023	80.450.01	025
35259750	80.480.02	040	D7E24	80.201.09	048	TJB-911023B	80.102.07	004
35259760	80.290.02	023	D7E33	80.201.08	047	TJG-911023D	80.102.06	004
35259760	80.480.10	042	D7E34	80.201.08	047	TJG911023B	80.480.05	041
35259770	80.291.03	025	D7E37	80.201.08	047	ZBA9-11023-A	80.106.08	009
35259770	80.485.01	045	D7E39	80.201.09	048	VOLVO		
35259780	80.485.03	046	D7E43	80.201.08	047	11001346	80.103.09	000
35259870	80.480.01	040	D7ES6	80.125.02	012	1112767679	80.380.02	026
35259890	80.130.05	014	FS10B3	80.201.10	048	11127679	80.840.02	039
35259890	80.480.17	044	TM000A36101	80.201.04	047	1182315	80.890.04	038
35260870	80.481.02	044	VALMET			1182759	80.890.04	038
35261120	80.290.03	023	221 561	80.102.04	003	1183286	80.890.04	038
35261120	80.480.04	040	803113	80.102.17	004	12709015	80.103.01	005
35261135	80.481.01	044	8700500	80.102.19	005	12709015	80.103.04	006
35261305	80.480.16	043	VALTRA			1556967	80.840.02	039
35261345	80.481.05	045	83646500	80.825.03	034	20430564	80.890.01	037
35261355	80.480.09	042	89732200	80.825.03	034	20430564	80.840.02	039
35261360	80.290.02	023	VPF7263	80.825.03	034	20430565	80.890.01	037
35261360	80.480.12	042	VOLKSWAGEN			20431073	80.890.01	037
35261385	80.481.04	045	004053778	80.102.04	003	20572417	80.890.01	037
35261395	80.485.04	046	026911023	80.106.04	008	20572419	80.890.01	037
35261425	80.480.11	042	026911023B	80.106.04	008	20714203	80.890.01	037
35261760	80.480.06	041	026911023BX	80.106.04	008	20880693	80.890.04	038
35261990	80.291.03	025	026911023X	80.106.04	008	21133741	80.890.04	038
35262020	80.485.05	046	02T911023Q	80.125.02	012	21306350	80.890.04	038
35262170	80.291.03	025	049911023G	80.106.04	008	21532125	80.890.01	037
35262580	80.480.04	040	049911023GX	80.106.04	008	21632125	80.890.01	037
35262710	80.480.01	040	049911023H	80.106.04	008	21632127	80.890.01	037
860305	80.135.01	001	211910235	80.106.01	007	3095060	80.890.01	037
860813	80.895.02	037	2119110231	80.106.01	007	3801274	80.890.04	038
860872	80.790.01	036	211911023L	80.106.01	007	3803939	80.890.04	038
RENAULT			2P0911023	80.480.16	043	3803979	80.890.04	038
500189990	80.130.11	015	2R0.911.023.B	80.290.03	023	3827444	80.890.01	037
7700377051	80.130.11	015	2R0.911.023.H	80.485.05	046	3964839	80.890.01	037
7702218570	80.481.04	045	2R0.911.023C	80.291.03	025	467919	80.101.03	000
8200049826	80.201.10	048	2R0911023A	80.480.05	041	6886461	80.101.03	000
ROVER			2R0911023E	80.480.10	042	8113918	80.890.01	037
ERR5009	80.130.01	013	2RS.911.023.E	80.290.02	023	85000087	80.890.01	037
NAN500210	80.130.01	013	2S0.911.023.A	80.291.03	025	85013089	80.890.03	038
SCANIA			2S0911023.A	80.485.02	045	9011001346	80.103.09	000
1357709	80.135.01	001	2S0911023A	80.890.03	038	WAPSA		
1447911	80.137.01	002	2T0 911 023	80.485.04	046	A000F31433	80.480.15	043
1796026	80.137.01	002	2T0 911 023 A	80.481.01	044	YALE		
2029376	80.890.05	038	2T0.911.023	80.485.04	046	220102437R	80.790.01	036
2148650	80.137.01	002	2T0.911.023.A	80.481.01	044	22010245R	80.140.10	030
2276131	80.137.01	002	2T0911023A	80.481.01	044	580013353	80.140.10	030
64254	80.101.02	000	2T0911023F	80.380.01	026	9181396-00	80.106.21	009
64513	80.101.05	001	2T2.911.023.A	80.291.04	025	918139600	80.790.01	036
SUZUKI			2T2911023.A	80.485.05	046	YANMAR		
3110077E90	80.140.01	028	2W0-911-023A	80.485.02	045	1240077010	80.680.01	033
3110077E91	80.140.01	028	2W0911023	80.485.05	046	1240077011	80.680.01	033
TOYOTA			2W0911023.B	80.485.05	046	1240077012	80.680.01	033
28100-0D100	80.110.06	011	2W0911023.C	80.485.05	046	12913077010	80.680.01	033
28100-0L070	80.978.01	018	2W0911023.D	80.485.05	046	12913677010	80.680.01	033



OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page	OEM OEM CODE	Nº ZM. ZM Nr.	Pag. Page
YANMAR								
12913677011	80.680.01	033						
12913777012	80.680.01	033						
BT2277010	80.102.19	005						
ZM								
81.103.04	80.103.10	049						
81.103.05	80.103.11	049						
81.130.02	80.130.07	049						
81.480.01	80.480.40	049						
81.480.02	80.480.41	050						



TABELA DE APLICAÇÃO

APPLICATION CHART

ACGO		de /fron	até /until	M.Part./Starter	ZM	Pag.
ARG. Dicumar	6BT-F700	-	-	DELCO REMY	80.280.01	019
AGRALE		de /fron	até /until	M.Part./Starter	ZM	Pag.
13000 E	Motor MWM 6.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
1800 D	4X2 Motor MWM D 229-4	10/1988	12/1998	BOSCH	80.102.17	004
5000	D com motor D229-4	09/1994	-	BOSCH	80.102.04	003
		09/1994	12/2004	BOSCH	80.132.04	017
5075	com motor BX 150 TD229-4	-	-	PRESTOLITE	80.480.09	042
5085	com motor BX 150 TD229-4	-	-	PRESTOLITE	80.480.09	042
6000	com motor TD 229-6	08/1999	-	BOSCH	80.102.04	003
7000	D com motor D 229-4	05/1993	-	BOSCH	80.102.04	003
		05/1993	12/2003	BOSCH	80.132.04	017
7000 DX		09/1996	-	BOSCH	80.102.07	004
7000 TDX		09/1996	-	BOSCH	80.102.07	004
7500	TD com motor TD 229 EC-4	09/1994	-	BOSCH	80.102.04	003
		09/1994	12/2004	BOSCH	80.132.04	017
	com motor MWM 4.10 TCA	-	-	PRESTOLITE	80.480.10	042
8000	com Motor 4.10 TCA	-	-	PRESTOLITE	80.480.10	042
8500	4x2 Motor MWM 4.10 T	-	-	PRESTOLITE	80.480.10	042
8500 TDX		-	-	BOSCH	80.102.07	004
9200	com motor MWM 4.10 TCA	-	-	PRESTOLITE	80.480.10	042
BX	130 com motor D 299.06	08/1990	08/2005	BOSCH	80.132.04	017
	4.110 com motor TD 229 EC.04	08/1990	08/2005	BOSCH	80.132.04	017
	4.130 com motor D 229.06	08/1990	08/2005	BOSCH	80.132.04	017
	4.150 com motor TD 229 EC-6	08/1990	08/2005	BOSCH	80.132.04	017
	90 com motor D 299.04	08/1990	08/2005	BOSCH	80.132.04	017
BX 100	MWM TD229 EC 4 CIL DIESEL	08/1990	-	BOSCH	80.102.04	003
BX 130	MWM D229 6 CIL DIESEL	08/1990	-	BOSCH	80.102.04	003
BX 4.130	MWM D229 6 CIL DIESEL	08/1990	-	BOSCH	80.102.04	003
BX 90	MWM D229 4 CIL DIESEL	08/1990	-	BOSCH	80.102.04	003
Caminhão	6000 motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
	6000 motor MWM 4.12 TCE	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
	8500 motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
	8500 motor MWM 4.12 TCE	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
	8500TCE com motor MWM Série X-10Y 229	-	-	PRESTOLITE	80.485.03	046
	9200 motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
	9200 motor MWM 4.12 TCE	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
	9200TCA com motor MWM Série X-10Y 229	-	-	PRESTOLITE	80.485.03	046
Furgovan	8000 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
		-	-	PRESTOLITE	80.480.10	042
MWM Série X-10 Y 229	MWM Série X-10 y 229	-	-	PRESTOLITE	80.480.12	042
Minibus	MA 8.5 com motor MWM Série X-10Y 229	-	-	PRESTOLITE	80.485.03	046
TX1600	com motor D 229-3	09/1983	09/1985	BOSCH	80.102.17	004
Volare	Chassis Transporte de Valores MA 7.9 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	Chassis Transporte de Valores MA 7.9 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	Chassis Transporte de Valores MA 9.2 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	Chassis Transporte de Valores MA 9.2 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	V8 com motor MWM 4.12 TCE	01/2008	-	DELCO REMY	80.291.03	025



TABELA DE APLICAÇÃO

APPLICATION CHART

AGRALE		de /fron	até /until	M.Part./Starter	ZM	Pag.
Volare	V8 com motor MWM 4.12 TCE	01/2008	-	PRESTOLITE	80.485.01	045
	W8 com motor MWM 4.12 TCE	01/2008	-	DELCO REMY	80.291.03	025
		01/2008	-	PRESTOLITE	80.485.01	045
	W9 com motor MWM 4.12 TCE	01/2008	-	DELCO REMY	80.291.03	025
		01/2008	-	PRESTOLITE	80.485.01	045
	com Chassis MA 10.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 10.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 12.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 12.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 15.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 15.0 com motor MWM 4.12. TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 7.9 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 7.9 com motor MWM 4.12. TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 8.5 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 8.5 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 9.2 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MA 9.2 com motor MWM 4.12.TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MT 12.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	com Chassis MT 12.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
Ônibus	MA 10.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MA 10.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	MA 12.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MA 12.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	MA 15.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MA 15.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	MA 7.9 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MA 7.9 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	MA 8.5 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MA 8.5 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	MA 9.2 com motot MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MA 9.2 com motot MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	MT 12.0 com motor MWM 4.10 TCA	-	-	DELCO REMY	80.291.03	025
	MT 12.0 com motor MWM 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	Volare V8 com motor MWM 4.10 TCA	-	01/2008	DELCO REMY	80.290.02	023
		-	01/2008	PRESTOLITE	80.480.10	042
	Volare W8 com motor MWM 4.10 TCA	-	01/2008	DELCO REMY	80.290.02	023
		-	01/2008	PRESTOLITE	80.480.10	042
	Volare W9 com motor MWM 4.10 TCA	-	01/2008	DELCO REMY	80.290.02	023
		-	01/2008	PRESTOLITE	80.480.10	042
AGRALE-DEUTZ		de /fron	até /until	M.Part./Starter	ZM	Pag.
6150 TD	com motor 229-6	08/1999	12/2008	BOSCH	80.132.04	017
BX 100 TD	229 EC-4	08/1990	08/2005	BOSCH	80.132.04	017
BX 4.100 TD	229 EC-4	08/1990	-	BOSCH	80.102.04	003
		08/1990	08/2005	BOSCH	80.132.04	017
BX 4.110	com motor TD229 E 04	-	-	BOSCH	80.102.04	003



TABELA DE APLICAÇÃO

APPLICATION CHART

AGRALE-DEUTZ		de /fron	até /until	M.Part./Starter	ZM	Paq.
BX 4.150	com motor TD 229EC6	08/1990	-	BOSCH	80.102.04	003
BX 4.60	com motor F 3 L 913	09/1994	12/2004	BOSCH	80.132.02	016
		08/1990	-	BOSCH	80.102.01	002
BX 4.90	com motor D 229-4	08/1990	-	BOSCH	80.102.04	003
		08/1990	08/2005	BOSCH	80.132.04	017
BX 60	com motor F 3 L 913	08/1990	08/2005	BOSCH	80.132.02	016
		08/1990	-	BOSCH	80.102.01	002
MA 7.5 T		09/1996	-	BOSCH	80.102.07	004
ASIA MOTORS		de /fron	até /until	M.Part./Starter	ZM	Paq.
Rocsta Sportage	com motor 2.2 D	07/1993	12/1998	DENSO	80.140.01	028
	com motor 2.2 D 4x4	06/1993	-	DENSO	80.140.01	028
AUDI		de /fron	até /until	M.Part./Starter	ZM	Paq.
100		-	-	BOSCH	80.106.04	008
80		-	-	BOSCH	80.106.04	008
Coupe		-	-	BOSCH	80.106.04	008
BOBCAT		de /fron	até /until	M.Part./Starter	ZM	Paq.
Articulated Loaders	1600 with Kubota V1702 Dsl	-	-	DELCO REMY	80.280.11	022
Skid Steer Loaders	641 with F2L511 Deutz diesel engine	-	-	DELCO REMY	80.280.12	022
	643 Kubota D1402BA diesel engine	-	-	DELCO REMY	80.280.11	022
	741 with F2L511D Deutz diesel engine	-	-	DELCO REMY	80.280.12	022
	743 Kubota V1702BA diesel engine	-	-	DELCO REMY	80.280.11	022
	743B Kubota V1702BA diesel engine	-	-	DELCO REMY	80.280.11	022
	753 Kubota V2203B diesel engine	-	-	DELCO REMY	80.280.11	022
	7753 Kubota V2203B diesel engine	-	-	DELCO REMY	80.280.11	022
	843B with 4JB1PK-01 Isuzu diesel engine	-	-	DELCO REMY	80.280.12	022
	843HC with 4JB1PK-01 Isuzu diesel engine	-	-	DELCO REMY	80.280.12	022
	853 with 4JB1PK-03 Isuzu diesel engine	-	-	DELCO REMY	80.280.12	022
	980 with 4BT3.9L Cummins diesel engine	-	-	DELCO REMY	80.280.12	022
BUDNY		de /fron	até /until	M.Part./Starter	ZM	Paq.
Trator	2540 com motor 25CV	-	-	ESPECIAIS	80.480.40	049
	2840 com motor 28CV	-	-	ESPECIAIS	80.480.40	049
	5040 com motor 50CV	-	-	ESPECIAIS	80.480.40	049
CASE		de /fron	até /until	M.Part./Starter	ZM	Paq.
100	4.5L com motor 101HP 4 Cil. NEF	01/2007	-	BOSCH	80.130.10	015
105	4.5L com motor 106HP 4 Cil. NEF	01/2008	-	BOSCH	80.130.10	015
	with Sisu 4Cil. 102HP 4.4L engine	01/2008	-	ISKRA	80.825.03	034
1080	com motor 590	01/1985	-	DENSO	80.141.02	030
		01/2004	-	BOSCH	80.130.10	015
1085	C com motor 6T-590	01/1990	01/1993	DENSO	80.141.02	030
1088	com motor 6T-590	01/1988	01/1992	DENSO	80.141.02	030
1095		10/2005	-	BOSCH	80.130.10	015
110	4.5L com motor 110HP 4 Cil. NEF	02/2012	-	BOSCH	80.130.10	015
	4.5L com motor 112HP 4 Cil. NEF	01/2007	01/2012	BOSCH	80.130.10	015
	with Sisu 4Cil. Diesel 4.4L engine	01/2004	-	ISKRA	80.825.03	034
1135	with Sisu Diesel engine	01/2003	-	ISKRA	80.825.03	034
1145	with Sisu Diesel engine	01/2003	-	ISKRA	80.825.03	034
115	6.7L com motor 117HP 6 Cil. NEF Tier 3	01/2007	03/2012	BOSCH	80.130.10	015
1150	E com motor 6-590	01/1985	01/1989	DENSO	80.141.02	030
	G com motor 6-590	01/1955	01/2000	DENSO	80.141.02	030
1155	E com motor 6-590	01/1985	01/1989	DENSO	80.141.02	030
	with Sisu Diesel engine	01/2003	-	ISKRA	80.825.03	034
1170	with Sisu Diesel engine	01/2003	-	ISKRA	80.825.03	034
1190	with Sisu Diesel engine	01/2003	-	ISKRA	80.825.03	034
1195	with Sisu Diesel engine	01/2003	-	ISKRA	80.825.03	034
120	4.5L com motor 121HP NEF Tier 4 Cil	02/2012	-	BOSCH	80.130.10	015
	4.5L com motor 122HP NEF Tier 4 Cil.	01/2007	12/2012	BOSCH	80.130.10	015
	with Diesel engine	01/2004	-	ISKRA	80.825.03	034



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE		de /from	até /until	M.Part./Starter	ZM	Pag.
120	with Sisu Diesel engine	01/2000	05/2003	ISKRA	80.825.03	034
130	4.5L com motor 132HP 4 Cil. NEF	01/2007	01/2012	BOSCH	80.130.10	015
	CVX 6.7L com motor 131HP 4 Cil. NEF Tier	12/2010	-	BOSCH	80.130.10	015
	with Sisu 620.92 6Cil. Turbo engine	01/1997	12/2003	ISKRA	80.825.03	034
	with Sisu engine	07/2000	05/2003	ISKRA	80.825.03	034
140	with Sisu 620.60 6 Cil 141HP 6.6L engine	01/2007	12/2009	ISKRA	80.825.03	034
145	CVX 6.7L com motor 146HP 4 Cil. NEF Tier	12/2010	-	BOSCH	80.130.10	015
150	with Sisu 6 Cil. Diesel engine	01/2004	-	ISKRA	80.825.03	034
	with Sisu 6 Cil. Turbo 150HP engine	01/2000	05/2003	ISKRA	80.825.03	034
160	CVX 6.7L com motor 160HP 4 Cil. TEF Tier	12/2010	-	BOSCH	80.130.10	015
	with Sisu 620.62 6 Cil. 160HP 6.6L engine	01/2007	12/2009	ISKRA	80.825.03	034
170	with Sisu 620.90 6 Cil. Turbo 170HP 6.6L engine	01/2000	12/2003	ISKRA	80.825.03	034
175	with Sisu Diesel engine	07/2007	-	ISKRA	80.825.03	034
190	with Sisu 6 Cil. 196HP 6.6L engine	01/2007	-	ISKRA	80.825.03	034
195	with Sisu Diesel engine	01/2007	-	ISKRA	80.825.03	034
488	Diesel	01/1987	01/1992	DENSO	80.141.02	030
580	E Super E 5.9 L	01/1989	01/1993	DENSO	80.141.02	030
	E com motor 5,9L	01/1989	01/1993	DENSO	80.141.02	030
	Retroescavadeira	-	-	DELCO REMY	80.280.01	019
	SE Retroescavadeira	-	-	DELCO REMY	80.280.01	019
	ST com motor 3.4L FPT434	10/2005	-	BOSCH	80.130.10	015
621	B com motor 6T-590	01/1993	01/1999	DENSO	80.141.02	030
	com motor 6T-590	01/1989	01/1993	DENSO	80.141.02	030
680	K com motor 6-590	01/1984	01/1988	DENSO	80.141.02	030
688	Diesel	01/1987	01/1992	DENSO	80.141.02	030
78	with Sisu 420.81 4 Cil. Turbo 4.4L engine	01/1998	12/2003	ISKRA	80.825.03	034
780	C	01/1984	01/1988	DENSO	80.141.02	030
	C com motor 6T-590	01/1984	01/1988	DENSO	80.141.02	030
80	CR com motor D 229-6	11/1983	-	BOSCH	80.102.04	003
		11/1983	11/1998	BOSCH	80.132.04	017
	P com motor D 229-6	11/1983	-	BOSCH	80.102.04	003
		11/1983	11/1998	BOSCH	80.132.04	017
80 PRO	with Sisu Diesel engine	10/2007	-	ISKRA	80.825.03	034
85	4.5L com motor 86HP 4 Cil. NEF F4C	01/2008	-	BOSCH	80.130.10	015
85 PRO	with Sisu 4 Cil. 85HP 4.4L engine	01/2008	-	ISKRA	80.825.03	034
850	D com motor 6-590	01/1984	01/1994	DENSO	80.141.02	030
	E com motor 6-590	01/1992	01/1996	DENSO	80.141.02	030
	G com motor 6-590	01/1994	01/2000	DENSO	80.141.02	030
	H com motor 6T-590	01/1999	01/2000	DENSO	80.141.02	030
855	D com motor 6-590	01/1984	01/1991	DENSO	80.141.02	030
	E com motor 6-590	01/1992	01/1996	DENSO	80.141.02	030
86	with Sisu Diesel engine	01/1999	01/2004	ISKRA	80.825.03	034
888	com motor 6T-590	01/1987	01/1992	DENSO	80.141.02	030
90	4.5L com motor 88HP 4 Cil. NEF	01/2008	-	BOSCH	80.130.10	015
9010	B com motor 390	01/1994	01/2000	DENSO	80.141.02	030
	com motor 390	01/1993	01/1998	DENSO	80.141.02	030
9020	B com motor 390	01/1994	01/2000	DENSO	80.141.02	030
	com motor 390	01/1993	01/1998	DENSO	80.141.02	030
	with 390 engine	01/1993	01/1998	DENSO	80.141.02	030
9030	B com motor 6T-590	01/1994	01/2000	DENSO	80.141.02	030
	com motor 6T-590	01/1992	01/1998	DENSO	80.141.02	030
9040	com motor 6T-830	01/1994	01/1998	DENSO	80.141.02	030
9050	B com motor 6D22-T	01/1994	01/1998	DENSO	80.141.02	030
94	with Sisu 420.83 4 Cil. Turbo 4.4L engine	01/1998	12/2004	ISKRA	80.825.03	034
95	4.5L com motor 95HP 4 Cil. NEF	01/2008	-	BOSCH	80.130.10	015
	4.5L com motor 97HP 4 Cil. NEF F4C	01/2008	-	BOSCH	80.130.10	015
95 PRO	with Sisu 4 Cil. 93HP 4.4L engine	01/2008	-	ISKRA	80.825.03	034



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE		de /from	até /until	M.Part./Starter	ZM	Pag.
95 PRO	with Sisu Diesel Tier 3 engine	01/2008	-	ISKRA	80.825.03	034
CX160	com motor 4TA-390	01/2000	-	DENSO	80.141.01	030
CX210	LR com motor 6TAA-5904	-	-	DENSO	80.141.02	030
	com motor 6TAA-5904	-	-	DENSO	80.141.02	030
CX50B	com motor Yanmar 4TNV88	01/2005	-	HITACHI	80.680.01	033
Colheitadeira de Algodão	1822 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	1822 com motor 6-590	-	-	DELCO REMY	80.380.03	026
	1822 com motor 6-830	-	-	DELCO REMY	80.380.03	026
	1822 com motor 6TA-830	-	-	DELCO REMY	80.380.03	026
	1844 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	1844 com motor 6-590	-	-	DELCO REMY	80.380.03	026
	1844 com motor 6-830	-	-	DELCO REMY	80.380.03	026
	1844 com motor 6TA-830	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6-590	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6-830	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6TA-830	-	-	DELCO REMY	80.380.03	026
	2155 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	2155 com motor 6-590	-	-	DELCO REMY	80.380.03	026
	2155 com motor 6-830	-	-	DELCO REMY	80.380.03	026
	2155 com motor 6TA-830	-	-	DELCO REMY	80.380.03	026
Colheitadeira de Cana	A8000 com motor Case IH C9	-	-	DENSO	80.141.03	030
	A8800 com motor Case IH C9	-	-	DENSO	80.141.03	030
Colheitadeira de Grãos	1620 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1620 com motor DT436	-	-	DELCO REMY	80.380.03	026
	1620 com motor DT466C	-	-	DELCO REMY	80.380.03	026
	1640 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1640 com motor DT436	-	-	DELCO REMY	80.380.03	026
	1640 com motor DT466C	-	-	DELCO REMY	80.380.03	026
	1644 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1644 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1644 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	1666 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1666 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1666 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	1668 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1668 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1668 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	1670 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1670 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1670 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	1680 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1680 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1680 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	1688 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1688 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1688 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	1690 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	1690 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	1690 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	2144 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	2144 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	2144 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	2166 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	2166 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	2166 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	2188 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	2188 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	2188 com motor DT 466C	-	-	DELCO REMY	80.380.03	026



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE		de /from	até /until	M.Part./Starter	ZM	Pag.
Colheitadeira de Grãos	2366 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	2366 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	2366 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
	2399 com motor DT 436	-	-	DELCO REMY	80.380.03	026
	2399 com motor DT 466	-	-	DELCO REMY	80.380.03	026
	2399 com motor DT 466C	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.380.03	026
Colheitadeira/ Windrower	6000 390 Diesel	01/1985	01/1992	DENSO	80.140.04	029
	650 4-390 Diesel	01/1989	01/1991	DENSO	80.140.04	029
	6500 390 Diesel	01/1985	01/1992	DENSO	80.140.04	029
	8830 Diesel	01/1983	01/1997	DENSO	80.140.04	029
	8840 Diesel	01/1987	01/1993	DENSO	80.140.04	029
Crawlers	580 L	-	-	DELCO REMY	80.280.07	021
	580 SE	-	-	DELCO REMY	80.280.07	021
Empilhadeira/ Lift Truck	584 E 390 Diesel	01/1990	01/1999	DENSO	80.140.04	029
	585 E 390 Diesel	01/1990	01/1999	DENSO	80.140.04	029
	585 G 390 Diesel	01/1999	01/2000	DENSO	80.140.04	029
	586 E 390 Diesel	01/1990	01/1999	DENSO	80.140.04	029
	586 G 390 Diesel	01/1999	01/2000	DENSO	80.140.04	029
Escavadeira	CX 130 com motor 4TA-390	01/2000	-	DENSO	80.141.01	030
Farmall	with FPT NEF 4 cil. 95HP 4.5L engine	-	-	ISKRA	80.825.01	034
	with FTP 4 cil. 106HP 4.5L engine	-	-	ISKRA	80.825.01	034
	with NEF 4 cil. 113HP 4.5L engine	-	-	ISKRA	80.825.01	034
JXU	with NEF F4C 4 cil. 76HP 4.5L engine	01/2008	-	ISKRA	80.825.01	034
	with NEF F4C 4cil. 113HP 4.5L engine	01/2008	-	ISKRA	80.825.01	034
MXM	120	01/2002	-	ISKRA	80.825.02	034
	130	01/2002	-	ISKRA	80.825.02	034
	140	01/2002	-	ISKRA	80.825.02	034
	155	01/2002	-	ISKRA	80.825.02	034
	175	01/2002	-	ISKRA	80.825.02	034
	190	01/2002	-	ISKRA	80.825.02	034
MXU	with 100 engine	07/2003	-	ISKRA	80.825.01	034
	with 110 engine	07/2003	-	ISKRA	80.825.01	034
	with 125 engine	07/2003	-	ISKRA	80.825.01	034
	with 130 engine	07/2005	-	ISKRA	80.825.01	034
	with 135 engine	07/2003	-	ISKRA	80.825.01	034
Maxxum	with NEF 4 cil. 101HP 4.5L engine	01/2007	-	ISKRA	80.825.01	034
	with NEF 4 cil. 112HP 4.5L engine	01/2007	01/2012	ISKRA	80.825.01	034
	with NEF 4 cil. 121HP 4.5L engine	02/2012	-	ISKRA	80.825.01	034
	with NEF 4 cil. 122HP 4.5L engine	01/2007	12/2012	ISKRA	80.825.01	034
	with NEF 4 cil. 125HP 6.7L engine	02/2012	-	ISKRA	80.825.01	034
	with NEF 4cil. 132HP 4.5L engine	01/2007	01/2012	ISKRA	80.825.01	034
	with NEF 6 cil. 6.7L engine	01/2007	-	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 3 117HP 6.7L engine	01/2007	03/2012	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 3 141HP 6.7L engine	01/2007	01/2012	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 3 126HP 6.7L engine	01/2007	01/2012	ISKRA	80.825.01	034
	with NEF TAA 113Kw 6 cil. 6.7L engine	05/2008	-	ISKRA	80.825.01	034
	with NEF TAA 135Kw 6 cil. 6.7L engine	05/2008	-	ISKRA	80.825.01	034
	with NEF Tier 4 cil. 110HP 4.5L engine	02/2012	-	ISKRA	80.825.01	034
	with NEF Tier 4 cil. 131HP 4.5L engine	02/2012	-	ISKRA	80.825.01	034
	with NEF Tier 4 cil. 140HP 6.7L engine	02/2012	-	ISKRA	80.825.01	034
	with TAA 105Kw 6 cil. 6.7L engine	05/2008	-	ISKRA	80.825.01	034
Mini Carragadeira de Roda / Uni-Loader	1840 390 Diesel	01/1990	01/1999	DENSO	80.140.04	029
	1845C 390 Diesel	01/1987	01/1999	DENSO	80.140.04	029
Puma	with NEF Tier 3 127HP 6.7L engine	11/2009	-	ISKRA	80.825.01	034
	with NEF Tier 3 142HP 6.7L engine	11/2009	-	ISKRA	80.825.01	034
	with NEF Tier 3 158HP 6.7L engine	11/2008	-	ISKRA	80.825.01	034
	with NEF Tier 3 167HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE		de /from	até /until	M.Part./Starter	ZM	Pag.
Puma	with NEF Tier 3 182HP 6.7L engine	01/2002	-	ISKRA	80.825.01	034
	with NEF Tier 3 197HP 6.7L engine	01/2000	-	ISKRA	80.825.01	034
	with NEF Tier 3 213HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
	with NEF Tier 3 224HP 6.7L engine	01/2009	-	ISKRA	80.825.01	034
	with NEF Tier 4 127HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF Tier 4 130HP 6.7L engine	11/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 131HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 142HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF Tier 4 146HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with NEF Tier 4 158HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF Tier 4 160HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with NEF Tier 4 185HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with NEF Tier 4 200HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 215HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 228HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
Pá Carregadeira/ Wheel Loader	W11B 390 Diesel	01/1983	01/1993	DENSO	80.140.04	029
Quantum	with NEF 4 cil 106HP 4.5L engine	-	-	ISKRA	80.825.01	034
	with NEF 4 cil 97HP 4.5L engine	-	-	ISKRA	80.825.01	034
Retroescavadeira/ Loader	480 E Construction King 4-390 Diesel	01/1979	01/1994	DENSO	80.140.04	029
	480 E LL Construction King 4-390 Diesel	01/1979	01/1994	DENSO	80.140.04	029
	480 F Construction King 4-390 Diesel	01/1989	01/1994	DENSO	80.140.04	029
	480 F LL Construction King 4-390 Diesel	01/1989	01/1994	DENSO	80.140.04	029
	570 LXT 390 Diesel	01/1995	01/1999	DENSO	80.140.04	029
	570 LXT Series II 390 Diesel	01/2000	-	DENSO	80.140.04	029
	570 MXT 390 Diesel	01/2000	-	DENSO	80.140.04	029
	580 K 4-390 Diesel	01/1986	01/1994	DENSO	80.140.04	029
	580 L 4-390 Diesel	01/1995	01/1999	DENSO	80.140.04	029
	580 L Series II 4-390 Diesel	01/2000	-	DENSO	80.140.04	029
	580 M Case 445/M2	01/2000	-	DENSO	80.140.04	029
	580 SE	01/2000	-	DENSO	80.140.04	029
	580 SL	01/2000	-	DENSO	80.140.04	029
	580 SL Series II	01/2000	-	DENSO	80.140.04	029
	580 SM Case 445T/M2	01/2000	-	DENSO	80.140.04	029
	590 CK Various	01/1992	01/2001	DENSO	80.140.04	029
	590 SL	01/2000	-	DENSO	80.140.04	029
	590 SL Series II	01/2000	-	DENSO	80.140.04	029
	590 SM Case 445T/M2	01/2000	-	DENSO	80.140.04	029
	590 Turbo	01/2000	-	DENSO	80.140.04	029
Skid Steer Loaders	with 432T/ M3 4cil. 82HP 3.2L engine	-	-	ISKRA	80.825.01	034
	with 432T/ M3 4cil. 90HP 3.2L engine	-	-	ISKRA	80.825.01	034
T	with NEF 6 cil. Tier 167HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 182HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 197HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 213HP 6.7L engine	-	-	ISKRA	80.825.01	034
	with NEF 6 cil. Tier 225HP 6.7L engine	-	-	ISKRA	80.825.01	034
Trator Magnum	MX220 com motor Cummins 8.3 litros	-	-	DELCO REMY	80.380.03	026
	MX240 com motor Cummins 8.3 litros	-	-	DELCO REMY	80.380.03	026
	MX270 com motor Cummins 8.3 litros	-	-	DELCO REMY	80.380.03	026
Trator/ Tractor	1896 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	1896 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	1896 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	1896 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	1896 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	1896 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	2055 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	2055 com motor 6-505	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.380.03	026



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE	de /from	até /until	M.Part./Starter	ZM	Pag.
Trator/ Tractor	2055 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2055 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2090 com motor 504DB	-	-	DELCO REMY	80.380.03 026
	2090 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2090 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2090 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2090 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2090 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2094 com motor 504DB	-	-	DELCO REMY	80.380.03 026
	2094 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2094 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2094 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2094 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2094 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2096 com motor 504DB	-	-	DELCO REMY	80.380.03 026
	2096 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2096 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2096 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2096 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2096 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2290 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2290 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2290 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2290 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2290 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2290 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2294 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2294 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2294 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2294 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2294 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2390 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2390 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2390 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2390 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2390 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2390 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2394 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2394 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2394 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2394 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2394 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2394 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2470 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2470 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2470 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2470 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2470 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2470 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2590 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2590 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2590 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2590 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2590 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2590 com motot 6-504	-	-	DELCO REMY	80.380.03 026
	2594 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2594 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2594 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2594 com motor 6-505	-	-	DELCO REMY	80.380.03 026



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE	de /from	até /until	M.Part./Starter	ZM	Pag.
Trator/ Tractor	2594 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2594 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2670 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2670 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2670 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2670 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2670 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2670 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	2870 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	2870 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	2870 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	2870 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	2870 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	2870 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	3294 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	3294 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	3294 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	3294 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	3294 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	3294 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	3394 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	3394 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	3394 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	3394 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	3394 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	3394 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	4490 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	4490 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	4490 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	4490 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	4490 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	4490 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	4494 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	4494 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	4494 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	4494 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	4494 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	4494 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	450 C 4-390 Diesel	01/1983	01/1993	DENSO	80.140.04 029
	455 C 4-390 Diesel	01/1983	01/1993	DENSO	80.140.04 029
	4690 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	4690 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	4690 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	4690 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	4690 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	4690 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	4694 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	4694 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	4694 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	4694 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	4694 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	4694 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	4890 com motor 504DB	-	-	DELCO REMY	80.380.03 026
	4890 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	4890 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	4890 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	4890 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	4890 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	4894 com motor 504BD	-	-	DELCO REMY	80.380.03 026



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE		de /from	até /until	M.Part./Starter	ZM	Pag.
Trator/ Tractor	4894 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	4894 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	4894 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	4894 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	4894 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	4994 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	4994 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	4994 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	4994 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	4994 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	4994 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	550 E 4-390 Diesel	01/1992	01/1995	DENSO	80.140.04	029
	550 G 4-390 Diesel	01/1995	01/2000	DENSO	80.140.04	029
	550 H 4-390 Diesel	01/2000	-	DENSO	80.140.04	029
	650 G 4-390 Diesel	01/1994	01/2000	DENSO	80.140.04	029
	650 H 4-390 Diesel	01/2000	01/2003	DENSO	80.140.04	029
	650 K 4-390 Diesel	01/2003	01/2007	DENSO	80.140.04	029
	650 K Case 4T-390	01/2003	01/2007	DENSO	80.140.04	029
	7110 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7110 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7110 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	7110 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7110 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	7110 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	7120 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7120 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7120 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	7120 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7120 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	7120 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	7130 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7130 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7130 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	7130 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	7130 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7130 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	7140 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7140 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7140 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	7140 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7140 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	7140 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	7210 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7210 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7210 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	7210 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7210 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	7210 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	7220 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7220 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7220 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7220 com motor 6-674	-	-	DELCO REMY	80.380.03	026
	7220 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
	7220 com motot 6-504	-	-	DELCO REMY	80.380.03	026
	7230 com motor 504BD	-	-	DELCO REMY	80.380.03	026
	7230 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	7230 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	7230 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	7230 com motor 6-674	-	-	DELCO REMY	80.380.03	026



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE	de /from	até /until	M.Part./Starter	ZM	Pag.
Trator/ Tractor	7230 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	7240 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	7240 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	7240 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	7240 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	7240 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	7240 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	7250 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	7250 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	7250 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	7250 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	7250 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	7250 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	750 H Case 4-390	01/2000	01/2003	DENSO	80.140.04 029
	750 K Case 4T-390	01/2000	-	DENSO	80.140.04 029
	8930 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	8930 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	8930 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	8930 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	8930 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	8930 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9110 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	9110 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	9110 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	9110 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	9110 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9110 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9130 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	9130 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	9130 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	9130 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9130 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9130 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	9210 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	9210 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	9210 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	9210 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	9210 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9210 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9230 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	9230 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	9230 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	9230 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	9230 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9230 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9240 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	9240 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	9240 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	9240 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	9240 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9240 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9310 com motor 504BD	-	-	DELCO REMY	80.380.03 026
	9310 com motor 6-359	-	-	DELCO REMY	80.380.03 026
	9310 com motor 6-504	-	-	DELCO REMY	80.380.03 026
	9310 com motor 6-505	-	-	DELCO REMY	80.380.03 026
	9310 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9310 com motor 6T-590	-	-	DELCO REMY	80.380.03 026
	9330 com motor 6-674	-	-	DELCO REMY	80.380.03 026
	9330 com motor 504BD	-	-	DELCO REMY	80.380.03 026



TABELA DE APLICAÇÃO

APPLICATION CHART

CASE		de /fron	até /until	M.Part./Starter	ZM	Pag.
Trator/ Tractor	9330 com motor 6-359	-	-	DELCO REMY	80.380.03	026
	9330 com motor 6-504	-	-	DELCO REMY	80.380.03	026
	9330 com motor 6-505	-	-	DELCO REMY	80.380.03	026
	9330 com motor 6T-590	-	-	DELCO REMY	80.380.03	026
Trencher	550 4-390 Diesel	01/1989	01/1991	DENSO	80.140.04	029
W 18	com motor OM 352	06/1981	06/1996	BOSCH	80.132.02	016
		06/1981	-	BOSCH	80.102.01	002
W 18D		03/1993	09/1994	BOSCH	80.103.01	005
		03/1993	09/1994	BOSCH	80.103.04	006
W 18E		10/1994	-	BOSCH	80.103.01	005
		10/1994	-	BOSCH	80.103.04	006
W 20	com motor OM 352	03/1974	05/1981	BOSCH	80.132.02	016
		04/1975	05/1981	BOSCH	80.102.01	002
W 20B	com motor OM 352 A	06/1981	-	BOSCH	80.132.02	016
		04/1981	-	BOSCH	80.102.01	002
W 20E		05/1996	-	BOSCH	80.102.07	004
		10/1994	-	BOSCH	80.103.01	005
		10/1994	-	BOSCH	80.103.04	006
W Series		-	-	BOSCH	80.101.02	000
W24B	com motor 504	01/1990	01/1993	DENSO	80.141.02	030
Wheel Loaders	with FTP F5CE9454G 4 cil. 54HP 3.2L	-	-	ISKRA	80.825.01	034
	with FTP F5CE9454G 4 cil. 64HP 3.2L	-	-	ISKRA	80.825.01	034
	with FTP F5CE9454G 4 cil. 74HP 3.2L	-	-	ISKRA	80.825.01	034
	with FTP F5CE9454G 4 cil. 82HP 3.2L	-	-	ISKRA	80.825.01	034
CATERPILLAR		de /fron	até /until	M.Part./Starter	ZM	Pag.
100 Series		-	-	BOSCH	80.101.01	000
1000	com motor 1000	01/1992	01/2002	DENSO	80.141.04	031
120B	10,5L com o motor 3306 NA	06/1981	04/1989	BOSCH	80.101.01	000
120C	10,5L com motor 3306 DIT	07/1986	03/1990	BOSCH	80.101.01	000
140B	10,5L com motor 3306 T	05/1982	03/1989	BOSCH	80.101.01	000
140C	10,5L com motor 3306 DIT	05/1986	02/1990	BOSCH	80.101.01	000
1670	com motor Cummins	-	-	DELCO REMY	80.456.03	027
1673	com motor Cummins	-	-	DELCO REMY	80.456.03	027
16G	com motor Cummins	-	-	DELCO REMY	80.456.03	027
245	com motor Cummins	-	-	DELCO REMY	80.456.03	027
3114		-	-	DELCO REMY	80.450.01	025
3116		-	-	DELCO REMY	80.450.01	025
3176		-	-	DELCO REMY	80.450.01	025
3208		-	-	DELCO REMY	80.456.02	027
3304		-	-	DELCO REMY	80.456.02	027
3306		-	-	DELCO REMY	80.456.02	027
3406	com motor Cummins	-	-	DELCO REMY	80.456.03	027
		-	-	DELCO REMY	80.456.01	027
3408	com motor Cummins	-	-	DELCO REMY	80.456.03	027
		-	-	DELCO REMY	80.456.01	027
3412	com motor Cummins	-	-	DELCO REMY	80.456.03	027
		-	-	DELCO REMY	80.456.01	027
3508	com motor Cummins	-	-	DELCO REMY	80.456.03	027
3512	com motor Cummins	-	-	DELCO REMY	80.456.03	027
3516	com motor Cummins	-	-	DELCO REMY	80.456.03	027
420D	com motor 3054	01/2001	01/2005	DENSO	80.141.04	031
		01/2006	01/2015	DENSO	80.141.04	031
420E	com motor 3054C					
621B	com motor Cummins	-	-	DELCO REMY	80.456.03	027
621E	com motor Cummins	-	-	DELCO REMY	80.456.03	027
623B	com motor Cummins	-	-	DELCO REMY	80.456.03	027
776	com motor Cummins	-	-	DELCO REMY	80.456.03	027
776B	com motor Cummins	-	-	DELCO REMY	80.456.03	027



TABELA DE APLICAÇÃO

APPLICATION CHART

CATERPILLAR		de /from	até /until	M.Part./Starter	ZM	Pag.
777	com motor Cummins	-	-	DELCO REMY	80.456.03	027
777B	com motor Cummins	-	-	DELCO REMY	80.456.03	027
824	com motor Cummins	-	-	DELCO REMY	80.456.03	027
824C	com motor Cummins	-	-	DELCO REMY	80.456.03	027
825C	com motor Cummins	-	-	DELCO REMY	80.456.03	027
826C	com motor Cummins	-	-	DELCO REMY	80.456.03	027
900 Series		-	-	BOSCH	80.101.01	000
914G		01/1995	01/2003	DENSO	80.141.04	031
924G		01/2000	01/2010	DENSO	80.141.04	031
924GZ		01/2000	01/2010	DENSO	80.141.04	031
928G		01/1996	01/2003	DENSO	80.141.04	031
930R	7,0L com motor 3304 DINA	07/1986	12/1990	BOSCH	80.101.01	000
	7,0L com motor 3304 NA	12/1981	12/1990	BOSCH	80.101.01	000
966C	10,5L com motor 3306 DIT	05/1986	03/1990	BOSCH	80.101.01	000
	10,5L com motor 3306 T	02/1982	12/1990	BOSCH	80.101.01	000
980C	com motor Cummins	-	-	DELCO REMY	80.456.03	027
980F	com motor Cummins	-	-	DELCO REMY	80.456.03	027
983B	com motor Cummins	-	-	DELCO REMY	80.456.03	027
AP300D	com motor 3054C	-	-	DENSO	80.141.04	031
AP500E	com motor C4.4	-	-	DENSO	80.141.04	031
AP555E	com motor C4.4	-	-	DENSO	80.141.04	031
AP600	com motor 3056	-	-	DENSO	80.141.04	031
AP650B	com motor 3054C	-	-	DENSO	80.141.04	031
BB760	com motor 3056	-	-	DENSO	80.141.04	031
BG225C	com motor 3054C	-	-	DENSO	80.141.04	031
BG230D	com motor 3054C	-	-	DENSO	80.141.04	031
BG500E	com motor C4.4	-	-	DENSO	80.141.04	031
BG555E	com motor C4.4	-	-	DENSO	80.141.04	031
CS433C	com motor 3054	01/1992	01/2002	DENSO	80.141.04	031
CS433E		-	-	DENSO	80.141.04	031
Compactor 825C		-	-	DELCO REMY	80.456.02	027
D Series		-	-	BOSCH	80.101.01	000
D4E-DD	7,0L com motor 3304 DINA	12/1981	04/1998	BOSCH	80.101.01	000
	7,0L com motor 3304 NA	12/1981	04/1998	BOSCH	80.101.01	000
D4E-PS	7,0L com motor 3304 DINA	12/1981	04/1998	BOSCH	80.101.01	000
	7,0L com motor 3304 NA	12/1981	04/1998	BOSCH	80.101.01	000
D4E-SA	7,0L com motor 3304 DIT	12/1981	04/1998	BOSCH	80.101.01	000
	7,0L com motor 3304 T	12/1981	04/1998	BOSCH	80.101.01	000
D4E-SR	7,0L com motor 3304 DIT	12/1981	04/1998	BOSCH	80.101.01	000
D5B-PS	10,5L com motor 3306 DINA	12/1987	06/1997	BOSCH	80.101.01	000
D5D-DD	10,5L com motor 3306 DINA	12/1987	06/1997	BOSCH	80.101.01	000
D6C	10,5L com motor 33206 NA	01/1981	12/1990	BOSCH	80.101.01	000
D6D-DD	10,5L com motor 3306 T	03/1986	12/1990	BOSCH	80.101.01	000
D6D-PS	10,5L com motor 3306 DIT	12/1981	12/1990	BOSCH	80.101.01	000
D6D-SA	10,5L com motor 3306 DITA	10/1986	12/1990	BOSCH	80.101.01	000
	10,5L com motor 3306T	09/1983	12/1990	BOSCH	80.101.01	000
D6D-SR	10,5L com motor 3306 DIT	11/1988	12/1990	BOSCH	80.101.01	000
D6E-PS	10,5L com motor 3306 DIT	05/1989	12/1990	BOSCH	80.101.01	000
D8N	com motor Cummins	-	-	DELCO REMY	80.456.03	027
Escavadeira	215	-	-	DELCO REMY	80.456.02	027
	215B	-	-	DELCO REMY	80.456.02	027
	215C	-	-	DELCO REMY	80.456.02	027
	219	-	-	DELCO REMY	80.456.02	027
	225	-	-	DELCO REMY	80.456.02	027
	225B	-	-	DELCO REMY	80.456.02	027
	229	-	-	DELCO REMY	80.456.02	027
	235	-	-	DELCO REMY	80.456.02	027



TABELA DE APLICAÇÃO

APPLICATION CHART

CATERPILLAR		de /from	até /until	M.Part./Starter	ZM	Pag.
Escavadeira	235B	-	-	DELCO REMY	80.456.02	027
	235C	-	-	DELCO REMY	80.456.02	027
	245D	-	-	DELCO REMY	80.456.02	027
	320D	-	-	DELCO REMY	80.456.01	027
Escavadeira 320B	com motor 3066T Diesel	01/1996	01/1999	mitsubishi	80.895.01	037
Excavator 320B	With 3066T Caterpillar Diesel Engine	01/1996	01/1999	mitsubishi	80.895.01	037
IT28G	com motor 3056E	01/2003	01/2004	DENSO	80.141.04	031
M313C	com motor 3054	01/2002	01/2007	DENSO	80.141.04	031
M313D	com motor C4.4	01/2008	01/2015	DENSO	80.141.04	031
M315C	com motor 3054E	01/2002	01/2007	DENSO	80.141.04	031
M315D	com motor C4.4	01/2007	01/2015	DENSO	80.141.04	031
M316C	com motor 3056E	01/2002	01/2007	DENSO	80.141.04	031
M316D	com motor C6.6	01/2007	01/2015	DENSO	80.141.04	031
M318C	com motor 3056E	01/2002	01/2007	DENSO	80.141.04	031
M318D	com motor C6.6	01/2007	01/2015	DENSO	80.141.04	031
M322C	com motor 3056E	01/2002	01/2007	DENSO	80.141.04	031
M322D	com motor C6.6	01/2007	01/2015	DENSO	80.141.04	031
Motoniveladora	112F	-	-	DELCO REMY	80.456.02	027
	120	-	-	DELCO REMY	80.456.02	027
	120G	-	-	DELCO REMY	80.456.02	027
	12F	-	-	DELCO REMY	80.456.02	027
	12G	-	-	DELCO REMY	80.456.02	027
	130G	-	-	DELCO REMY	80.456.02	027
	140	-	-	DELCO REMY	80.456.02	027
	140G	-	-	DELCO REMY	80.456.02	027
	14E	-	-	DELCO REMY	80.456.02	027
PS150B	com motor 3054	01/1996	01/1998	DENSO	80.141.04	031
PS200B	com motor 3054	01/1996	01/1998	DENSO	80.141.04	031
Retroescavadeira/ Loader	414E com motor 3054	-	-	DENSO	80.140.08	029
	416B com motor 3054	01/1992	01/1996	DENSO	80.140.08	029
	416C com motor 3054	01/1996	01/2000	DENSO	80.140.08	029
	416D com motor 3054/B/C	01/2001	01/2005	DENSO	80.140.08	029
	416E com motor 3054C	01/2006	-	DENSO	80.140.08	029
	420D com motor 3054	01/2001	01/2005	DENSO	80.140.08	029
	420E com motor 3054C	01/2006	-	DENSO	80.140.08	029
	422E com motor 3054C	01/2006	-	DENSO	80.140.08	029
	424D com motor 3054/B/C	01/2001	01/2005	DENSO	80.140.08	029
	426B com motor 3054	01/1992	01/1996	DENSO	80.140.08	029
	426C com motor 3054	01/1996	-	DENSO	80.140.08	029
	428B com motor 3054	01/1992	01/1996	DENSO	80.140.08	029
	428C com motor 3054	01/1996	01/2001	DENSO	80.140.08	029
Trator	508	-	-	DELCO REMY	80.456.02	027
	518	-	-	DELCO REMY	80.456.02	027
	528	-	-	DELCO REMY	80.456.02	027
	615	-	-	DELCO REMY	80.456.02	027
	615C	-	-	DELCO REMY	80.456.02	027
	627B	-	-	DELCO REMY	80.456.02	027
	627E	-	-	DELCO REMY	80.456.02	027
	637D	-	-	DELCO REMY	80.456.02	027
	637E	-	-	DELCO REMY	80.456.02	027
	814	-	-	DELCO REMY	80.456.02	027
	814B	-	-	DELCO REMY	80.456.02	027
	815	-	-	DELCO REMY	80.456.02	027
	815B	-	-	DELCO REMY	80.456.02	027
	816	-	-	DELCO REMY	80.456.02	027
	816B	-	-	DELCO REMY	80.456.02	027
	920	-	-	DELCO REMY	80.456.02	027
	930	-	-	DELCO REMY	80.456.02	027



TABELA DE APLICAÇÃO

APPLICATION CHART

CATERPILLAR		de /fron	até /until	M.Part./Starter	ZM	Pag.
Trator	936	-	-	DELCO REMY	80.456.02	027
	936E	-	-	DELCO REMY	80.456.02	027
	941	-	-	DELCO REMY	80.456.02	027
	950	-	-	DELCO REMY	80.456.02	027
	950B	-	-	DELCO REMY	80.456.02	027
	950E	-	-	DELCO REMY	80.456.02	027
	951C	-	-	DELCO REMY	80.456.02	027
	955K	-	-	DELCO REMY	80.456.02	027
	955L	-	-	DELCO REMY	80.456.02	027
	963	-	-	DELCO REMY	80.456.02	027
	963B	-	-	DELCO REMY	80.456.02	027
	966C	-	-	DELCO REMY	80.456.02	027
	966D	-	-	DELCO REMY	80.456.02	027
	966E	-	-	DELCO REMY	80.456.02	027
	973	-	-	DELCO REMY	80.456.02	027
	977K	-	-	DELCO REMY	80.456.02	027
	977L	-	-	DELCO REMY	80.456.02	027
	980	-	-	DELCO REMY	80.456.02	027
	980B	-	-	DELCO REMY	80.456.02	027
	D4D	-	-	DELCO REMY	80.456.02	027
	D4E	-	-	DELCO REMY	80.456.02	027
	D4H	-	-	DELCO REMY	80.456.02	027
	D5	-	-	DELCO REMY	80.456.02	027
	D5B	-	-	DELCO REMY	80.456.02	027
	D5H	-	-	DELCO REMY	80.456.02	027
	D6C	-	-	DELCO REMY	80.456.02	027
	D6D	-	-	DELCO REMY	80.456.02	027
	D6H	-	-	DELCO REMY	80.456.02	027
	D7F	-	-	DELCO REMY	80.456.02	027
	D7G	-	-	DELCO REMY	80.456.02	027
CBT		de /fron	até /until	M.Part./Starter	ZM	Pag.
1065	com motor OM 314	12/1973	12/1978	BOSCH	80.132.02	016
		10/1976	12/1978	BOSCH	80.102.01	002
1105	com motor OM 352	12/1974	12/1978	BOSCH	80.132.02	016
		12/1974	12/1978	BOSCH	80.102.01	002
2080	com motor OM 314	01/1979	01/1994	BOSCH	80.132.02	016
		01/1979	12/1983	BOSCH	80.102.01	002
2105	com motor OM 352	01/1979	03/1982	BOSCH	80.132.02	016
		01/1979	03/1982	BOSCH	80.102.01	002
8000 Series	8440 com motor D 229-4 VT	01/1984	-	BOSCH	80.102.04	003
		-	-	BOSCH	80.102.03	003
		-	-	BOSCH	80.102.04	003
8060 4x4	com motor OM 352	01/1984	01/1999	BOSCH	80.132.02	016
		01/1984	-	BOSCH	80.102.01	002
8240	com motor 4.248	01/1984	01/1999	BOSCH	80.132.03	016
8260	4x4 com motor 6.354-4	01/1984	01/1999	BOSCH	80.102.19	005
8440	com motor D 229-4 VT	01/1984	01/1999	BOSCH	80.132.04	017
CHALLENGER		de /fron	até /until	M.Part./Starter	ZM	Pag.
8333	with AGCO P. 264Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
Combines	652C with AGCO P. 265Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
	660B with AGCO P. 223Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
	670B with AGCO P. 261Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
	672C with AGCO P. 203Kw Tier 4 7.4L engine	-	-	ISKRA	80.825.03	034
MT665D	with AGCO P. 239Kw Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
MT685D	with AGCO P. 276Kw Tier4 8.4L engine	-	-	ISKRA	80.825.03	034
MT745D	with AGCO P. 250Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
MT755D	with AGCO P. 267Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
MT765D	with AGCO 285Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034



TABELA DE APLICAÇÃO

APPLICATION CHART

CHALLENGER		de /fron	até /until	M.Part./Starter	ZM	Pag.
RG1100	with AGCO P. 252Kw Tier 4i 8.4L engine	-	-	ISKRA	80.825.03	034
RG1300	with AGCO P. 276Kw Tier 4i 8.4L engine	-	-	ISKRA	80.825.03	034
RG635B	with AGCO P. 129Kw Stage 3A 4.9L engine	-	-	ISKRA	80.825.03	034
RG645B	with AGCO P. 164Kw Stage 3B 7.4L engine	-	-	ISKRA	80.825.03	034
RG655B	with AGCO P. 178Kw Stage 3B 7.4L engine	-	-	ISKRA	80.825.03	034
TG845	AGCO P. 302Kw CTA Tier 4 8.4L engine	-	-	ISKRA	80.825.03	034
WR9740	with AGCO p. 4.9L engine	-	-	ISKRA	80.825.03	034
CITROËN		de /fron	até /until	M.Part./Starter	ZM	Pag.
Berlingo	1.0L	01/2000	-	VALEO	80.201.11	048
	1.4	01/2000	-	VALEO	80.201.11	048
	1.6L	01/2000	-	VALEO	80.201.11	048
C3	1.4L	01/2000	-	VALEO	80.201.11	048
	1.6L	01/2000	-	VALEO	80.201.11	048
Jumper	2.3 JTD Box with F1AE0481C	04/2002	-	BOSCH	80.381.01	017
	2.8 HDi	01/1999	02/2002	BOSCH	80.130.03	013
	2.8 HDi 4x4 Box with 8140.43S engine	09/2000	04/2002	BOSCH	80.130.02	013
		04/2002	-	BOSCH	80.381.01	017
	2.8 HDi Box with 8140.43S engine	09/2000	04/2002	BOSCH	80.130.02	013
		04/2002	-	BOSCH	80.381.01	017
	2.8 HDi Bus with 8140.43S engine	04/2002	-	BOSCH	80.381.01	017
	2.8 HDi Flatbed with 8140.43S engine	04/2002	-	BOSCH	80.381.01	017
	2.8 TD	01/1999	02/2002	BOSCH	80.130.03	013
	2.8L D	01/1999	02/2002	BOSCH	80.130.03	013
	2.8L Diesel com motor 8140 43	01/1999	02/2002	BOSCH	80.130.03	013
	2.8L Diesel com motor 8140 63	01/1999	02/2002	BOSCH	80.130.03	013
CLARK		de /fron	até /until	M.Part./Starter	ZM	Pag.
110		-	-	DELCO REMY	80.456.03	027
110III		-	-	DELCO REMY	80.456.03	027
110III-H		-	-	DELCO REMY	80.456.03	027
180III		-	-	DELCO REMY	80.456.03	027
210I		-	-	DELCO REMY	80.456.03	027
210III		-	-	DELCO REMY	80.456.03	027
210III-H		-	-	DELCO REMY	80.456.03	027
280		-	-	DELCO REMY	80.456.03	027
280III		-	-	DELCO REMY	80.456.03	027
280IIIA		-	-	DELCO REMY	80.456.03	027
Pá Carragadeira	501	-	-	DELCO REMY	80.456.01	027
	75III	-	-	DELCO REMY	80.456.01	027
	75IV	-	-	DELCO REMY	80.456.01	027
CNH		de /fron	até /until	M.Part./Starter	ZM	Pag.
Línea TL 100	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL 70	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL 80	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL 90	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Exitus TL55E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Exitus TL65E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Exitus TL85E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Exitus TL95E	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Frutteto TL55F	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Frutteto TL65F	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
Línea TL Frutteto TL75F	com motor NH Iveco	-	-	PRESTOLITE	80.480.11	042
COOPLANTIO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Trator	25Hp	01/2013	-	ESPECIAIS	80.480.41	050



TABELA DE APLICAÇÃO

APPLICATION CHART

COOPLANTIO		de /fron	até /until	M.Part./Starter	ZM	Paq.
Trator	45Hp	-	-	ESPECIAIS	80.480.40	049
COYOTE		de /fron	até /until	M.Part./Starter	ZM	Paq.
Trator	4430	-	-	ESPECIAIS	80.480.40	049
	4450	-	-	ESPECIAIS	80.480.40	049
	4455	-	-	ESPECIAIS	80.480.40	049
	4460	-	-	ESPECIAIS	80.480.40	049
	4475	-	-	ESPECIAIS	80.480.40	049
	4480	-	-	ESPECIAIS	80.480.40	049
	4490	-	-	ESPECIAIS	80.480.40	049
CUMMINS		de /fron	até /until	M.Part./Starter	ZM	Paq.
Engines	4B3.9	-	-	DELCO REMY	80.280.01	019
		-	-	DELCO REMY	80.280.02	019
	4BT3.9	-	-	DELCO REMY	80.280.01	019
		-	-	DELCO REMY	80.280.02	019
	6B5.9	-	-	DELCO REMY	80.280.01	019
		-	-	DELCO REMY	80.280.02	019
	6BT5.9	-	-	DELCO REMY	80.280.01	019
		-	-	DELCO REMY	80.280.02	019
	6BTAA	-	-	DELCO REMY	80.280.01	019
		-	-	DELCO REMY	80.280.02	019
Ingersoll Rand 110		-	-	DELCO REMY	80.280.01	019
Ingersoll Rand 125		-	-	DELCO REMY	80.280.01	019
Ingersoll Rand 95		-	-	DELCO REMY	80.280.01	019
Serie B	Eletronico 5.9L	-	-	PRESTOLITE	80.485.05	046
Timberjack	608	-	-	DELCO REMY	80.280.02	019
	608 Harvester	-	-	DELCO REMY	80.280.02	019
	610 Forwarder com motor Cummins 4B 3.9L	-	-	DELCO REMY	80.280.01	019
	610 Forwarder com motor Cummins 4BT 3.9L	-	-	DELCO REMY	80.280.01	019
	610 Forwarder com motor Cummins 6B 5.9L	-	-	DELCO REMY	80.280.01	019
	610 Forwarder com motor Cummins 6BT 5.9L	-	-	DELCO REMY	80.280.01	019
	610 Forwarder com motor Cummins 6BTAA	-	-	DELCO REMY	80.280.01	019
	Ciber Vibrator	-	-	DELCO REMY	80.280.02	019
DECAROLI		de /fron	até /until	M.Part./Starter	ZM	Paq.
714	com motor OM 449 A	03/1991	03/2001	BOSCH	80.135.02	002
784 T1/2	com motor OM 447 LA	02/1992	09/1997	BOSCH	80.135.02	002
NG 4 T1	com motor OM 447 LA	08/1997	08/2007	BOSCH	80.135.02	002
DELCO REMY		de /fron	até /until	M.Part./Starter	ZM	Paq.
28MT Starter Motor Series		-	-	DELCO REMY	80.280.01	019
		-	-	DELCO REMY	80.280.02	019
		-	-	DELCO REMY	80.280.03	019
		-	-	DELCO REMY	80.280.04	020
		-	-	DELCO REMY	80.280.05	020
		-	-	DELCO REMY	80.280.06	020
		-	-	DELCO REMY	80.280.07	021
		-	-	DELCO REMY	80.280.08	021
		-	-	DELCO REMY	80.280.09	021
		-	-	DELCO REMY	80.280.11	022
		-	-	DELCO REMY	80.280.12	022
		-	-	DELCO REMY	80.280.13	022
29MT Starter Motor Series		-	-	DELCO REMY	80.290.01	023
		-	-	DELCO REMY	80.290.02	023
		-	-	DELCO REMY	80.290.03	023
		-	-	DELCO REMY	80.291.01	024
		-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.291.03	025
		-	-	DELCO REMY	80.291.04	025
DIMEX		de /fron	até /until	M.Part./Starter	ZM	Paq.
Ônibus	com motor Cummins B 5.9 litros	-	-	PRESTOLITE	80.480.08	041
DIVERSAS / VARIOUS		de /fron	até /until	M.Part./Starter	ZM	Paq.



TABELA DE APLICAÇÃO

APPLICATION CHART

DIVERSAS / VARIOUS		de /fron	até /until	M.Part./Starter	ZM	Paq.
4800	Pulverizador com motor Perkins Diesel	01/1993	01/1997	DELCO REMY	80.280.09	021
4900	Pulverizador com motor Perkins Diesel	01/1993	01/1997	DELCO REMY	80.280.09	021
Geradores Industriais com Motores Diesel Perkins		-	-	DELCO REMY	80.280.09	021
DRESSER		de /fron	até /until	M.Part./Starter	ZM	Paq.
510	C com motor 6B	01/2003	-	DENSO	80.141.01	030
515	C com motor 6B	01/2002	-	DENSO	80.141.01	030
520	C com motor 6B	01/2002	-	DENSO	80.141.01	030
EL DETALLE		de /fron	até /until	M.Part./Starter	ZM	Paq.
OA 101		09/1997	-	BOSCH	80.103.01	005
		09/1997	-	BOSCH	80.103.04	006
FAMSA		de /fron	até /until	M.Part./Starter	ZM	Paq.
f 1314 C/B	com motor OM 366 C	01/1985	-	BOSCH	80.132.01	016
	with OM 366 C engine	01/1985	-	BOSCH	80.132.01	016
f 1317 C/B	com motor OM 366 A	01/1985	-	BOSCH	80.132.01	016
	with OM 366 A engine	01/1985	-	BOSCH	80.132.01	016
f 1321 C/B	com motor OM 366 LA	01/1985	-	BOSCH	80.132.01	016
	with OM 366 LA engine	01/1985	-	BOSCH	80.132.01	016
f 1514	com motor OM 366 C	01/1985	-	BOSCH	80.132.01	016
	with OM 366 C engine	01/1985	-	BOSCH	80.132.01	016
f 1517	com motor OM 366 A	01/1985	-	BOSCH	80.132.01	016
	with OM 366 A engine	01/1985	-	BOSCH	80.132.01	016
f 1521	com motor OM 366 LA	01/1985	-	BOSCH	80.132.01	016
	with OM 366 LA engine	01/1985	-	BOSCH	80.132.01	016
FASTRAC		de /fron	até /until	M.Part./Starter	ZM	Paq.
JCB	3200 XTRA with AGCO Sisu D. 142Kw T4i 7.4L engine	-	-	ISKRA	80.825.03	034
	3220 XTRA with AGCO Sisu D. 164Kw T4i 7.4L engine	-	-	ISKRA	80.825.03	034
	8280 with Sisu 6Cil. Tier 4 279HP 8.4L engine	-	-	ISKRA	80.825.03	034
	8310 with Sisu 6 Cil. Tier 4 306HP 8.4L engine	-	-	ISKRA	80.825.03	034
FIAT		de /fron	até /until	M.Part./Starter	ZM	Paq.
147		-	-	BOSCH	80.106.06	008
Cityvan	1.1	01/1985	08/1989	BOSCH	80.106.06	008
Ducato	10 2.5 D com motor 8140.67	03/1994	03/1998	BOSCH	80.130.03	013
	10 2.5 TD 4x4 com motor 8140.47	03/1994	03/1998	BOSCH	80.130.03	013
	10 2.5 TD ECO com motor 8140.47R	03/1994	03/1998	BOSCH	80.130.03	013
	10 2.5 TD EGR com motor 8140.47	03/1994	03/1999	BOSCH	80.130.03	013
	14 2.5 D com motor 8140.67	03/1994	03/1998	BOSCH	80.130.03	013
	14 2.5 TD ECO com motor 8140.47R	03/1994	03/1998	BOSCH	80.130.03	013
	14 2.5 TD EGR com motor 8140.47	03/1994	03/1998	BOSCH	80.130.03	013
	14 2.5 TD com motor 8140.47	03/1994	03/1998	BOSCH	80.130.03	013
	18 2.5 D D 4x4 com motor 8140.67	03/1994	03/1998	BOSCH	80.130.03	013
	18 2.5 TD ECO com motor 8140.47R	03/1994	03/1998	BOSCH	80.130.03	013
	18 2.5 TD com motor 8140.47	03/1994	03/1998	BOSCH	80.130.03	013
	2.3 JTD Box with F1AE0481C engine	04/2002	-	BOSCH	80.130.02	013
		04/2002	-	BOSCH	80.381.01	017
	2.3 JTD Bus with F1AE0481C engine	04/2002	-	BOSCH	80.130.02	013
		04/2002	-	BOSCH	80.381.01	017
	2.3 JTD Flatbed with F1AE0481C engine	04/2002	-	BOSCH	80.381.01	017
	2.5 D com motor 8140.67.2200	11/1997	12/1999	BOSCH	80.130.03	013
	2.5 D com motor Fiat	-	-	BOSCH	80.130.03	013
	2.8 D 4x4 Box with 8140.63 engine	08/1998	04/2002	BOSCH	80.130.02	013
	2.8 D Box with 8140.63 engine	05/1998	04/2002	BOSCH	80.130.02	013
	2.8 D Bus with 8140.63 engine	02/1998	04/2002	BOSCH	80.130.02	013
	2.8 JTD 4x4 Box with 8140.43S engine	11/2000	04/2002	BOSCH	80.130.02	013
		07/2002	-	BOSCH	80.381.01	017
	2.8 JTD 4x4 Bus with 8140.43S engine	11/2000	04/2002	BOSCH	80.130.02	013
		07/2002	-	BOSCH	80.381.01	017
	2.8 JTD 4x4 Flatbed with 8140.43S engine	10/2002	-	BOSCH	80.381.01	017
	2.8 JTD Box with 8140.43S engine	11/2000	04/2002	BOSCH	80.130.02	013



TABELA DE APLICAÇÃO

APPLICATION CHART

FIAT		de /from	até /until	M.Part./Starter	ZM	Pag.
Ducato	2.8 JTD Box with 8140.43S engine	04/2002	-	BOSCH	80.381.01	017
	2.8 JTD Bus with 8140.43S engine	11/2000	04/2002	BOSCH	80.130.02	013
		04/2002	-	BOSCH	80.381.01	017
	2.8 JTD Flatbed with 8140.43S engine	04/2002	-	BOSCH	80.381.01	017
	2.8 TDI 4x4 Box with 8140.43 engine	06/1996	04/2002	BOSCH	80.130.02	013
	2.8 TDI 4x4 Bus with 8140.43 engine	07/1999	04/2002	BOSCH	80.130.02	013
	2.8 TDI Box with 8140.43 engine	10/1997	04/2002	BOSCH	80.130.02	013
Duna	2.8 TDI Bus with 8140.43 engine	10/1997	04/2002	BOSCH	80.130.02	013
	60 com motor 146 A6.000	10/1985	04/1994	BOSCH	80.106.06	008
Elba	70 com motor 146 A5.000	10/1985	04/1994	BOSCH	80.106.06	008
	1.5 SPI	10/1985	10/1996	BOSCH	80.106.06	008
Fiorino	1.5 SPI com motor 146 B 8.011	06/1992	10/1996	BOSCH	80.115.02	011
	1.5 SPI com motor 146 D 1.011	06/1993	10/1996	BOSCH	80.115.02	011
	com motor 1.3	10/1985	10/1996	BOSCH	80.106.06	008
	com motor 1.5	10/1985	10/1996	BOSCH	80.106.06	008
	1.0 S Furgão com motor 146 A7.011	08/1995	11/1995	BOSCH	80.115.02	011
Fiorino	1.0L Pick-Up com motor 146 A7.011	08/1995	11/1995	BOSCH	80.115.02	011
	1.0L com motor 146 B 4.011	-	-	BOSCH	80.106.06	008
	1.3L	09/1993	12/2001	BOSCH	80.106.06	008
	1.3L Furgão	02/2003	12/2006	BOSCH	80.115.03	011
	1.5 M Furgão com motor 160 E1.011	09/1997	06/2002	BOSCH	80.115.02	011
	1.5 M Furgão com motor 178 A6.011	09/2000	12/2004	BOSCH	80.115.02	011
	1.5 S Furgão com motor 146 B8.011	11/1994	09/1996	BOSCH	80.115.02	011
	1.5 S Furgão com motor 146 D1.011	11/1994	09/1996	BOSCH	80.115.02	011
	1.5L Pick-Up com motor 146 D1.011	11/1994	09/1996	BOSCH	80.115.02	011
	1.5L Pick-Up com motor 146 E8.011	11/1994	09/1996	BOSCH	80.115.02	011
	1.5L Pick-Up com motor 160 E1.011	09/1997	06/2002	BOSCH	80.115.02	011
Oggi	1300 Series	-	-	BOSCH	80.106.06	008
Palio	1.0 8V MPI FLEX	08/2005	12/2008	BOSCH	80.115.03	011
	1.0 MPI 8V	03/2000	01/2007	BOSCH	80.115.03	011
	1.0 MPI 8V com motor 178 A 4.011	03/1999	05/2001	BOSCH	80.115.02	011
	1.0 MPI 8V com motor 178 A3.011	06/1996	08/2001	BOSCH	80.115.02	011
	1.3 MPI 8V	09/2002	10/2003	BOSCH	80.115.03	011
	1.3 MPI 8V FLEX	11/2003	05/2005	BOSCH	80.115.03	011
	1.4 MPI 8V FLEX	06/2005	01/2007	BOSCH	80.115.03	011
	1.5 MPI 8V com motor 178 A 5.011	04/1996	11/1999	BOSCH	80.115.02	011
	1.5 MPI 8V com motor 178 A 6.011	08/1998	12/2000	BOSCH	80.115.02	011
	Fire 1.0 MPI 8V	06/2002	12/2009	BOSCH	80.115.03	011
	Weekend 1.5 MP com motor 178 A 5.011	02/1997	04/1999	BOSCH	80.115.02	011
	Weekend 1.5 MP com motor 178 A 6.011	09/1998	12/2000	BOSCH	80.115.02	011
Palio Weekend	1.3 MP	09/2002	05/2005	BOSCH	80.115.03	011
	1.4 MP	06/2005	04/2008	BOSCH	80.115.03	011
Panorama	Com motor 127 A 011	-	-	BOSCH	80.106.06	008
	Com motor 127 A 2.011	-	-	BOSCH	80.106.06	008
Prêmio	1.3 com motor 127 A 2.011	-	-	BOSCH	80.106.06	008
	1.5 com motor 146 B 8.011	-	-	BOSCH	80.106.06	008
Scudato	35.10 2.8L com motor 8140.23	01/1999	12/2003	BOSCH	80.130.09	014
	49.12 2.8L com motor 8140.43	11/1999	05/2002	BOSCH	80.130.09	014
	59.12 2.8L com motor 8140.43	06/2002	09/2005	BOSCH	80.130.09	014
	60.12 2.8L com motor 8140.43	10/2002	09/2003	BOSCH	80.130.09	014
Siena	1.0 MPI 8V Fire	03/2002	12/2009	BOSCH	80.115.03	011
	1.0 MPI 8V Flex Fire	03/2005	07/2006	BOSCH	80.115.03	011
	1.0 MPI com motor 8V Flex	08/2005	10/2007	BOSCH	80.115.03	011
	1.0L com motor SOHC 8V	03/2004	07/2005	BOSCH	80.115.03	011
	1.3 MPI 8V	09/2002	02/2004	BOSCH	80.115.03	011
	1.3 MPI 8V Flex	03/2004	05/2005	BOSCH	80.115.03	011
	1.4 MPI 8V Flex	06/2005	10/2007	BOSCH	80.115.03	011
	1.5 MPI 8V com motor 178 A 6.011	09/1998	12/2000	BOSCH	80.115.02	011
Spazio						



TABELA DE APLICAÇÃO

APPLICATION CHART

FIAT		de /fron	até /until	M.Part./Starter	ZM	Pag.
Spazio	1.3 com motor SOHC	10/1982	08/1984	BOSCH	80.106.06	008
Strada	1.2 MPI 8V	04/2003	06/2005	BOSCH	80.115.03	011
	1.3 MPI 8V	09/2002	12/2005	BOSCH	80.115.03	011
	1.4 MPI 8V Flex	06/2005	08/2006	BOSCH	80.115.03	011
	1.5 MPI 8V com motor 178 A 5.011	10/1998	02/2003	BOSCH	80.115.02	011
	1.5 MPI 8V com motor 178 A 6.011	07/1999	02/2004	BOSCH	80.115.02	011
Uno	1.0 MPI	01/2004	06/2006	BOSCH	80.115.03	011
	1.0 MPI Flex	03/2005	12/2008	BOSCH	80.115.03	011
	1.0 SPI com motor 146A7.011	11/1998	06/2001	BOSCH	80.115.02	011
	1.1 com motor 146 A6.000	10/1985	04/1994	BOSCH	80.106.06	008
	1.5 SPI com motor 146 B 8.011	03/1992	01/1996	BOSCH	80.115.02	011
	1.5 SPI com motor 146 B 9.011	10/1993	01/1996	BOSCH	80.115.02	011
	Furgoneta 1.3 MP	01/2004	-	BOSCH	80.115.03	011
	Furgoneta 1.5 MP com motor 160 E 1.011	04/1997	12/2000	BOSCH	80.115.02	011
	Furgoneta 1.5 MP com motor 178 E 6.011	03/2000	12/2004	BOSCH	80.115.02	011
	Mille 1.0 MPI com motor 178 A 4.011	09/1998	12/2003	BOSCH	80.115.02	011
	Mille 1.0 SPI com motor 146 A 7.011	07/1995	06/2001	BOSCH	80.115.02	011
	Mille ELX	10/1985	04/1994	BOSCH	80.106.06	008
	Mille EP	10/1985	04/1994	BOSCH	80.106.06	008
	Mille Economy 1.0	01/2009	-	BOSCH	80.115.03	011
	Mille Electronic	10/1985	04/1994	BOSCH	80.106.06	008
	com motor 1.5L	10/1985	04/1994	BOSCH	80.106.06	008
	com motor 1.6L	10/1985	04/1994	BOSCH	80.106.06	008
FIAT-IVECO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Caminhões	com motor MWM Série X-10Y 229	-	-	PRESTOLITE	80.485.03	046
Daily	29L10 2.3L Diesel com motor F1AE0481A	09/2002	-	BOSCH	80.130.11	015
	29L11 2.8L Diesel com motor 8140.43B	05/1999	-	BOSCH	80.130.11	015
	29L11 2.8L Diesel com motor 8140.43C	05/1999	-	BOSCH	80.130.11	015
	29L12 2.3L Diesel com motor F1AE0481B	09/2002	-	BOSCH	80.130.11	015
	29L13 2.8L Diesel com motor 8140.43S	11/2001	-	BOSCH	80.130.11	015
	29L14 2.3L Diesel com motor F1AE0481M	01/2005	04/2006	BOSCH	80.130.11	015
	29L9 2.8L Diesel com motor 8140.63	05/1999	-	BOSCH	80.130.11	015
	3.0L Diesel com motor F1CFA401A	06/2014	-	BOSCH	80.130.11	015
	3.0L Diesel com motor F1CFL411E	06/2014	-	BOSCH	80.130.11	015
	3.0L Diesel com motor F1CFL411F	06/2014	-	BOSCH	80.130.11	015
	33S13 3.0L Diesel com motor F1AFL411B	03/2014	-	BOSCH	80.130.11	015
	33S15 3.0L Diesel com motor F1AE3481C	03/2014	-	BOSCH	80.130.11	015
	35C10 2.3L Diesel com motor F1AE0481A	09/2002	-	BOSCH	80.130.11	015
	35C10 2.3L Diesel com motor F1AE0481FA	05/2006	-	BOSCH	80.130.11	015
	35C11 3.0L Diesel com motor F1AFL411A	03/2014	-	BOSCH	80.130.11	015
	35C12 2.3L Diesel com motor F1AE0481B	09/2002	-	BOSCH	80.130.11	015
	35C14 3.0L Diesel com motor F1CE0481A	09/2004	04/2006	BOSCH	80.130.11	015
	35C15 3.0L Diesel com motor F1AE3481C	03/2014	-	BOSCH	80.130.11	015
	35C17 3.0L Diesel com motor F1CE0481B	01/2005	04/2006	BOSCH	80.130.11	015
	35C17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015
	35C17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	35C18 3.0L Diesel com motor F1CE0481HA	05/2006	-	BOSCH	80.130.11	015
	35C21 3.0L Diesel com motor F1CFL411G	03/2014	-	BOSCH	80.130.11	015
	35S10 2.3L Diesel com motor F1AE0481A	09/2002	-	BOSCH	80.130.11	015
	35S11 2.3L Diesel com motor F1AFL411A	03/2014	-	BOSCH	80.130.11	015
	35S11 2.8L Diesel com motor 8140.43C	05/1999	-	BOSCH	80.130.11	015
	35S12 2.3L Diesel com motor F1AE0481B	09/2002	-	BOSCH	80.130.11	015
	35S13 2.3L Diesel com motor F1AFL411B	03/2014	-	BOSCH	80.130.11	015
	35S13 2.8L Diesel com motor 8140.43S	05/1999	-	BOSCH	80.130.11	015
	35S14 2.3L Diesel com motor F1AE0481HA	05/2006	-	BOSCH	80.130.11	015
	35S15 2.8L Diesel com motor 8140.43N	11/2001	-	BOSCH	80.130.11	015
	35S15 3.0L Diesel com motor F1AE3481C	03/2014	-	BOSCH	80.130.11	015
	35S17 3.0L Diesel com motor F1CE0481B	11/2001	04/2006	BOSCH	80.130.11	015
	35S17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015



FIAT-IVECO		de /from	até /until	M.Part./Starter	ZM	Pag.
Daily	35S17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	35S19 2.8L Diesel com motor 8140.63	05/1999	-	BOSCH	80.130.11	015
	35S21 3.0L Diesel com motor F1CFL411G	03/2014	-	BOSCH	80.130.11	015
	35S9 2.8L Diesel com motor 8140.43R	11/2001	04/2006	BOSCH	80.130.11	015
	40C10 2.3L Diesel com motor F1AE0481FA	05/2006	-	BOSCH	80.130.11	015
	40C12 2.3L Diesel com motor F1AE0481GA	05/2006	-	BOSCH	80.130.11	015
	40C14 3.0L Diesel com motor F1CE0481A	09/2004	04/2006	BOSCH	80.130.11	015
	40C15 2.8L Diesel com motor 8140.43N	11/2001	04/2006	BOSCH	80.130.11	015
	40C15 3.0L Diesel com motor F1AE0481GA	05/2006	-	BOSCH	80.130.11	015
	40C17 3.0L Diesel com motor F1CE0481B	01/2005	04/2006	BOSCH	80.130.11	015
	40C17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015
	40C17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	40C18 3.0L Diesel com motor F1AE0481HA	05/2006	-	BOSCH	80.130.11	015
	40C21 3.0L Diesel com motor F1CFL411G	03/2014	-	BOSCH	80.130.11	015
	40S17 3.0L Diesel com motor F1CE0481B	01/2005	04/2006	BOSCH	80.130.11	015
	45C15 3.0L Diesel com motor F1AE0481FA	05/2006	-	BOSCH	80.130.11	015
	45C18 3.0L Diesel com motor F1AE0481HA	05/2006	-	BOSCH	80.130.11	015
	50C11 2.8L Diesel com motor 8140.43C	05/1999	-	BOSCH	80.130.11	015
	50C13 2.8L Diesel com motor 8140.43S	05/1999	-	BOSCH	80.130.11	015
	50C14 3.0L Diesel com motor F1CE0481A	09/2004	04/2006	BOSCH	80.130.11	015
	50C15 2.8L Diesel com motor 8140.43N	11/2001	-	BOSCH	80.130.11	015
	50C15 3.0L Diesel com motor F1CE0481FA	05/2006	-	BOSCH	80.130.11	015
	50C17 3.0L Diesel com motor F1CE0481B	09/2004	04/2006	BOSCH	80.130.11	015
	50C17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015
	50C17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	50C18 3.0L Diesel com motor F1CE0481HA	05/2006	-	BOSCH	80.130.11	015
	50C18 3.0L Diesel com motor F1CE0481HC	05/2006	-	BOSCH	80.130.11	015
	50C21 3.0L Diesel com motor F1CFL411G	03/2014	-	BOSCH	80.130.11	015
	55C17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015
	55C17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	60C18 3.0L Diesel com motor F1CE0481HC	05/2006	-	BOSCH	80.130.11	015
	65C14 3.0L Diesel com motor F1CE0481A	09/2004	04/2006	BOSCH	80.130.11	015
	65C15 2.8L Diesel com motor 8140.43N	11/2001	-	BOSCH	80.130.11	015
	65C17 3.0L Diesel com motor F1CE0481B	09/2004	04/2006	BOSCH	80.130.11	015
	65C17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015
	65C17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	65C18 3.0L Diesel com motor F1CE0481HC	05/2006	-	BOSCH	80.130.11	015
	65C21 3.0L Diesel com motor F1CFL411G	03/2014	-	BOSCH	80.130.11	015
	70C17 3.0L Diesel com motor F1CE3481K	03/2014	-	BOSCH	80.130.11	015
	70C17 3.0L Diesel com motor F1CFL411H	03/2014	-	BOSCH	80.130.11	015
	70C21 3.0L Diesel com motor F1CFL411G	03/2014	-	BOSCH	80.130.11	015
Euro Star	260 E 48 com motor F3BE0681E	01/1993	02/2002	mitsubishi	80.890.02	038
	440 E 39 com motor F3AE0681D	11/1999	-	mitsubishi	80.890.02	038
	440 E 43 com motor F3AE0681E	11/1999	02/2002	mitsubishi	80.890.02	038
Euro Tech	190 E 39 com motor F3AE0681E	11/1999	-	mitsubishi	80.890.02	038
	190 E 43 com motor F3AE0681D	01/2001	-	mitsubishi	80.890.02	038
	260 E 39 com motor F3AE0681E	11/1999	-	mitsubishi	80.890.02	038
	260 E 43 com motor F3AE0681D	11/1999	-	mitsubishi	80.890.02	038
	440 E 39 com motor F3AE0681E	11/1999	-	mitsubishi	80.890.02	038
	440 E 43 com motor F3AE0681D	11/1999	-	mitsubishi	80.890.02	038
Euro Trakker	190 T 38 com motor F3BE0681G	10/2004	-	mitsubishi	80.890.02	038
	190 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	190 T 44 com motor F3B3681G	06/2005	-	mitsubishi	80.890.02	038
	190 T 44 com motor F3BE0681C	10/2004	-	mitsubishi	80.890.02	038
	190 T 44 com motor F3BE3681C	10/2004	-	mitsubishi	80.890.02	038
	190 T 45 com motor F3B3681G	06/2005	-	mitsubishi	80.890.02	038
	190 T 45 com motor F3BE0681C	10/2004	-	mitsubishi	80.890.02	038
	190 T 45 com motor F3BE3681C	10/2004	-	mitsubishi	80.890.02	038
	260 T 38 com motor F3BE0681G	10/2004	-	mitsubishi	80.890.02	038



TABELA DE APLICAÇÃO

APPLICATION CHART

FIAT-IVECO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Euro Trakker	260 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	260 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	260 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
	340 T 41 com motor F3B3681D	03/2006	-	mitsubishi	80.890.02	038
	340 T 45 com motor F3B3681C	06/2006	-	mitsubishi	80.890.02	038
	340 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	340 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
	380 E 38 com motor F3BE0681G	01/2001	11/2004	mitsubishi	80.890.02	038
	380 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	380 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	380 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
	400 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	400 T 42 com motor F3BE0681V	06/2005	-	mitsubishi	80.890.02	038
	400 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	400 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
	410 E 44 com motor F3BE0681C	01/2001	11/2004	mitsubishi	80.890.02	038
	410 T 41 com motor F3B3681D	06/2006	-	mitsubishi	80.890.02	038
	410 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	410 T 45 com motor F3B3681C	03/2006	-	mitsubishi	80.890.02	038
	410 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	410 T 50 com motor F3BE0681B	06/2006	-	mitsubishi	80.890.02	038
	410 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
	440 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	440 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	440 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
	720 T 41 com motor F3BE3681D	03/2006	-	mitsubishi	80.890.02	038
	720 T 42 com motor F3BE0681V	04/2005	-	mitsubishi	80.890.02	038
	720 T 45 com motor F3BE3681C	03/2006	-	mitsubishi	80.890.02	038
	720 T 50 com motor F3BE3681B	03/2006	-	mitsubishi	80.890.02	038
Eurocargo	100 E 17 com motor 3.9L F4AE0481A	09/2000	08/2005	BOSCH	80.130.08	014
	100 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	100 E 21 com motor 5.9L F4AE0681D	09/2000	08/2005	BOSCH	80.130.08	014
	100E15 6.0L Diesel com motor 8060.25R.4200LTC	01/1991	-	BOSCH	80.130.12	015
	100E15 6.0L Diesel com motor 8060.45R.5000	01/1991	-	BOSCH	80.130.12	015
	100E18 6.0L Diesel com motor 8060.25V.4200LTC	01/1991	-	BOSCH	80.130.12	015
	100E21 6.0L Diesel com motor 8060.45.4100TCA	01/1991	-	BOSCH	80.130.12	015
	100E21 6.0L Diesel com motor 8060.45.4180TCA	01/1991	-	BOSCH	80.130.12	015
	120 E 17 com motor 3.9L F4AE0481A	09/2000	08/2005	BOSCH	80.130.08	014
	120 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	120 E 21 com motor 5.9L F4AE0681D	09/2000	08/2005	BOSCH	80.130.08	014
	120 E 24 com motor 5.9L F4AE0681B	09/2003	08/2005	BOSCH	80.130.08	014
	120 E 28 com motor 5.9L F4AE0681A	09/2000	08/2005	BOSCH	80.130.08	014
	120E15 6.0L Diesel com motor 8060.25R.4200	01/1991	-	BOSCH	80.130.12	015
	120E15 6.0L Diesel com motor 8060.25R.4280LTC	01/1991	-	BOSCH	80.130.12	015
	120E18 6.0L Diesel com motor 8060.25R.4280LTC	01/1991	-	BOSCH	80.130.12	015
	120E23 6.0L Diesel com motor 8060.45.6090	01/1991	-	BOSCH	80.130.12	015
	120E23 6.0L Diesel com motor 8060.45S.6800	01/1991	-	BOSCH	80.130.12	015
	130 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	130 E 21 com motor 5.9L F4AE0681D	09/2001	08/2005	BOSCH	80.130.08	014
	130 E 24 com motor 5.9L F4AE0681B	09/2000	08/2005	BOSCH	80.130.08	014
	130 E 28 com motor 5.9L F4AE0681A	09/2000	08/2005	BOSCH	80.130.08	014
	130E15 6.0L Diesel com motor 8060.25R.4280LTC	01/1991	-	BOSCH	80.130.12	015
	130E18 6.0L Diesel com motor 8060.25V.4080TC	01/1991	-	BOSCH	80.130.12	015
	130E23 6.0L Diesel com motor 8060.45.6090	01/1991	-	BOSCH	80.130.12	015
	130E23 6.0L Diesel com motor 8060.45S.6000TCA	01/1991	-	BOSCH	80.130.12	015
	135E18 6.0L Diesel com motor 8060.25VTC	01/1991	-	BOSCH	80.130.12	015
	135E23 6.0L Diesel com motor 8060.45STCA	01/1991	-	BOSCH	80.130.12	015
	140 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	140 E 21 com motor 5.9L F4AE0681D	09/2003	08/2005	BOSCH	80.130.08	014



FIAT-IVECO		de /from	até /until	M.Part./Starter	ZM	Pag.
Eurocargo	140 E 24 com motor 5.9L F4AE0681B	09/2000	08/2005	BOSCH	80.130.08	014
	140 E 28 com motor 5.9L F4AE0681A	09/2003	08/2005	BOSCH	80.130.08	014
	150 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	150 E 21 com motor 5.9L F4AE0681D	09/2001	08/2005	BOSCH	80.130.08	014
	150 E 24 com motor 5.9L F4AE0681B	09/2000	08/2005	BOSCH	80.130.08	014
	150 E 28 com motor 5.9L F4AE0681A	09/2000	08/2005	BOSCH	80.130.08	014
	150 EL 20 com motor 5.9L F4BE0641A	01/2011	-	BOSCH	80.130.08	014
	150E15 6.0L Diesel com motor 8060.25R.4280LTC	01/1991	-	BOSCH	80.130.12	015
	150E18 6.0L Diesel com motor 8060.25V.4000	01/1991	-	BOSCH	80.130.12	015
	150E18 6.0L Diesel com motor 8060.25V.4000TC	01/1991	-	BOSCH	80.130.12	015
	150E18 6.0L Diesel com motor 8060.25V.4080TC	01/1991	-	BOSCH	80.130.12	015
	150E23 6.0L Diesel com motor 8060.45.6090	01/1991	-	BOSCH	80.130.12	015
	150E23 6.0L Diesel com motor 8060.45S.6800TCA	01/1991	-	BOSCH	80.130.12	015
	160 E 21 com motor 5.9L F4AE0681D	09/2003	08/2005	BOSCH	80.130.08	014
	160 E 24 com motor 5.9L F4AE0681B	09/2003	08/2005	BOSCH	80.130.08	014
	160 E 28 com motor 5.9L F4AE0681A	09/2003	08/2005	BOSCH	80.130.08	014
	160E21 5.9L Diesel com motor 8060.45.4100	01/1998	01/2003	BOSCH	80.130.12	015
	160E23 6.0L Diesel com motor 8060.45.5200	01/1991	-	BOSCH	80.130.12	015
	170 E 22 com motor 5.9L F4AE0681D	01/2005	-	BOSCH	80.130.08	014
	170 E 25 (T) com motor 5.8L	12/2008	04/2012	BOSCH	80.130.08	014
	170E15 6.0L Diesel com motor 8060.25R.436	12/1991	07/2000	BOSCH	80.130.12	015
	170E18 6.0L Diesel com motor 8060.25VTC	01/1991	-	BOSCH	80.130.12	015
	170E23 6.0L Diesel com motor 8060.45STCA	01/1991	-	BOSCH	80.130.12	015
	180 E 21 com motor 5.9L F4AE0681D	09/2000	08/2005	BOSCH	80.130.08	014
	180 E 24 com motor 5.9L F4AE0681B	09/2000	08/2005	BOSCH	80.130.08	014
	180 E 28 com motor 5.9L F4AE0681A	09/2000	08/2005	BOSCH	80.130.08	014
	180E18 6.0L Diesel com motor 8060.25VTC	01/1991	-	BOSCH	80.130.12	015
	180E21 6.0L Diesel com motor 8060.45.4100TCA	01/1991	-	BOSCH	80.130.12	015
	230 E 22 com motor 5.9L F4AE0681D	03/2006	12/2009	BOSCH	80.130.08	014
	230 E 24 com motor 5.9L F4AE0681B	03/2006	-	BOSCH	80.130.08	014
	240 E 25 (S) com motor 5.8L	12/2008	04/2012	BOSCH	80.130.08	014
	260 E 28 com motor 5.9L F4AE0681A	09/2003	08/2005	BOSCH	80.130.08	014
	260E23 6.0L Diesel com motor 8060.45S.6000	01/1991	-	BOSCH	80.130.12	015
	280E23 6.0L Diesel com motor 8060.45S.6000	12/1991	11/2000	BOSCH	80.130.12	015
	320 E 28 com motor 5.9L F4AE0681A	09/2000	08/2003	BOSCH	80.130.08	014
	65 E 13 com motor 3.9L F4AE0481D	08/2000	08/2005	BOSCH	80.130.08	014
	65 E 15 com motor 3.9L F4AE0481C	08/2000	08/2005	BOSCH	80.130.08	014
	75 E 13 com motor 3.9L F4AE0481D	09/2000	08/2005	BOSCH	80.130.08	014
	75 E 15 com motor 3.9L F4AE0481C	09/2000	08/2005	BOSCH	80.130.08	014
	75 E 16 com motor F4AE3481D	09/2006	-	MITSUBISHI	80.890.02	038
	75 E 17 com motor 3.9L F4AE0481A	09/2000	08/2005	BOSCH	80.130.08	014
	75 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	75E15 6.0L Diesel com motor 8060.25R.4200LTC	09/1986	07/1992	BOSCH	80.130.12	015
	80 E 15 com motor 3.9L F4AE0481C	09/2000	08/2005	BOSCH	80.130.08	014
	80 E 17 com motor 3.9L F4AE0481A	09/2000	08/2005	BOSCH	80.130.08	014
	80 E 18 com motor 5.9L F4AE0681E	09/2000	08/2005	BOSCH	80.130.08	014
	80 E 21 com motor 5.9L F4AE0681D	09/2000	08/2005	BOSCH	80.130.08	014
	80E15 6.0L Diesel com motor 8060.25R.4200LTC	01/1991	-	BOSCH	80.130.12	015
	80E15 6.0L Diesel com motor 8060.25R.4200LTC	01/1991	-	BOSCH	80.130.12	015
	80E18 6.0L Diesel com motor 8060.25V.4000TC	01/1991	-	BOSCH	80.130.12	015
	80E21 6.0L Diesel com motor 8060.45.4100TCA	01/1991	-	BOSCH	80.130.12	015
	80E21 6.0L Diesel com motor 8060.45.4180TCA	01/1991	-	BOSCH	80.130.12	015
	90 E 17 com motor 3.9L F4AE0481A	09/2000	09/2005	BOSCH	80.130.08	014
	90 E 18 com motor 5.9L F4AE0681E	09/2000	09/2005	BOSCH	80.130.08	014
	90 E 21 com motor 5.9L F4AE0681D	09/2000	08/2005	BOSCH	80.130.08	014
	95E15 6.0L Diesel com motor 8060.25R.4755	01/1991	-	BOSCH	80.130.12	015
	95E15 6.0L Diesel com motor 8060.45.4700	01/1991	-	BOSCH	80.130.12	015
	95E15 6.0L Diesel com motor 8060.45.4702	01/1991	-	BOSCH	80.130.12	015
	95E21 6.0L Diesel com motor 8060.45.4700	01/1991	-	BOSCH	80.130.12	015



TABELA DE APLICAÇÃO

APPLICATION CHART

FIAT-IVECO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Iveco Daily	30-10 Turbo 2.8L com motor 8140.23.371	05/1993	05/1999	BOSCH	80.130.09	014
	30-8 2.5L com motor 8140.01.371	02/1991	04/1996	BOSCH	80.130.09	014
	30-8 2.5L com motor 8140.67F.371	04/1998	05/1999	BOSCH	80.130.09	014
	30-8 2.8L com motor 8140.63.371	02/1991	03/1998	BOSCH	80.130.09	014
	35-10 2.8L com motor 8140.23	11/1997	07/2007	BOSCH	80.130.09	014
	35-10 Turbo 2.8L com motor 8140.23.371	05/1996	05/1999	BOSCH	80.130.09	014
	35-11 2.8L com motor 8149.03.3791	01/1999	07/1999	BOSCH	80.130.09	014
	35-12 2.8L com motor 8140.43	11/1997	07/2007	BOSCH	80.130.09	014
	35-12 Turbo 2.8L com motor 8140.43.371	05/1996	05/1999	BOSCH	80.130.09	014
	35-8 2.5L com motor 8140.07.371	02/1991	04/1996	BOSCH	80.130.09	014
	35-8 2.5L com motor 8140.F67.371	05/1993	03/1998	BOSCH	80.130.09	014
	35-8 2.8L com motor 8140.63.371	04/1998	05/1999	BOSCH	80.130.09	014
	35C11 2.8L com motor 8149.03.4000	09/2002	08/2006	BOSCH	80.130.09	014
	35S11 2.8L com motor 8149.03.4000	09/2003	08/2006	BOSCH	80.130.09	014
	40-10 Turbo 2.5L com motor 8140.27S	11/1997	12/2001	BOSCH	80.130.09	014
	40-10 Turbo 2.8L com motor 8140.23.3801	05/1996	05/1999	BOSCH	80.130.09	014
	40-12 2.8L com motor 8140.43	11/1997	07/2007	BOSCH	80.130.09	014
	40-8 2.5L com motor 8140.03.371	07/1989	04/1996	BOSCH	80.130.09	014
	49-10 Turbo 2.8L com motor 8140.23.371	05/1996	05/1999	BOSCH	80.130.09	014
	49-10 Turbo 2.8L com motor 8140.23.3713	05/1996	05/1999	BOSCH	80.130.09	014
	49-11 2.8L com motor 8149.03.3791	01/1999	07/1999	BOSCH	80.130.09	014
	49-12 2.8L com motor 8140.43	11/1997	07/2007	BOSCH	80.130.09	014
	49-12 Turbo 2.8L com motor 8140.43.37	05/1996	05/1999	BOSCH	80.130.09	014
	50C11 2.8L com motor 8149.03	09/2002	08/2006	BOSCH	80.130.09	014
	59-11 2.8L com motor 8149.03.3791	01/1999	07/1999	BOSCH	80.130.09	014
	59-12 2.8L com motor 8140.43	11/1997	07/2007	BOSCH	80.130.09	014
	59-12 Turbo 2.8L com motor 8140.43.37	05/1996	05/1999	BOSCH	80.130.09	014
	60-12 2.8L com motor 8140.43	10/2002	07/2007	BOSCH	80.130.09	014
	65C11 2.8L com motor 8149.03	09/2002	08/2006	BOSCH	80.130.09	014
	A40-10 Turbo 2.8L com motor 8140.23.37	05/1993	05/1999	BOSCH	80.130.09	014
	A40-12 Turbo 2.8L com motor 8140.43.3723	05/1996	05/1999	BOSCH	80.130.09	014
	A45-10 Turbo 2.8L com motor 8140.23.3721	05/1996	05/1999	BOSCH	80.130.09	014
	A45-12 Turbo 2.8L com motor 8140.43.3723	05/1996	05/1999	BOSCH	80.130.09	014
	A49-10 Turbo 2.8L com motor 8140.23.37	05/1996	05/1999	BOSCH	80.130.09	014
	Grinta 30-8 2.4L com motor 8140.61.2	04/1978	06/1989	BOSCH	80.130.09	014
	Grinta 30-8 2.4L com motor 8140.61.3	04/1978	06/1989	BOSCH	80.130.09	014
	Grinta 35-10 2.4L com motor 8140.21.2	02/1985	06/1989	BOSCH	80.130.09	014
	Grinta 35-8 2.4L com motor 8140.61.2	04/1978	06/1989	BOSCH	80.130.09	014
	Grinta 35-8 2.4L com motor 8140.61.3	04/1978	06/1989	BOSCH	80.130.09	014
	Grinta 40-8 2.4L com motor 8140.61.2	01/1983	06/1989	BOSCH	80.130.09	014
	Grinta 40-8 2.4L com motor 8140.61.3	01/1983	06/1989	BOSCH	80.130.09	014
	Grinta 45-10 2.4L com motor 81.40.21.2	02/1985	06/1989	BOSCH	80.130.09	014
	Grinta 49-10 2.4L com motor 8140.21.2	02/1985	06/1989	BOSCH	80.130.09	014
	Grinta 49-10 2.4L com motor 8140.21.290	02/1985	06/1989	BOSCH	80.130.09	014
	with X10 Series MWM engine	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
	with X229 Series MWM engine	-	-	DELCO REMY	80.291.03	025
		-	-	PRESTOLITE	80.485.01	045
Stralis	190 S 40 com motor F3AE0681B	02/2002	-	MITSUBISHI	80.890.02	038
	190 S 40 com motor F3AE0681H	02/2002	-	MITSUBISHI	80.890.02	038
	190 S 42 com motor F3AE3681B	07/2006	-	MITSUBISHI	80.890.02	038
	190 S 43 com motor F3AE0681D	02/2002	-	MITSUBISHI	80.890.02	038
	190 S 45 com motor F3AE3681A	12/2006	-	MITSUBISHI	80.890.02	038
	190 S 48 com motor F3BE0681E	02/2002	-	MITSUBISHI	80.890.02	038
	190 S 50 com motor F3B3681B	12/2006	-	MITSUBISHI	80.890.02	038
	260 S 40 com motor F3AE0681B	02/2002	-	MITSUBISHI	80.890.02	038
	260 S 40 com motor F3AE0681H	02/2002	-	MITSUBISHI	80.890.02	038
	260 S 42 com motor F3AE3681B	12/2006	-	MITSUBISHI	80.890.02	038
	260 S 43 com motor F3AE0681D	02/2002	-	MITSUBISHI	80.890.02	038



TABELA DE APLICAÇÃO

APPLICATION CHART

FIAT-IVECO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Stralis	260 S 45 com motor F3AE3681A	05/2007	-	mitsubishi	80.890.02	038
	260 S 48 com motor F3BE0681E	02/2002	-	mitsubishi	80.890.02	038
	260 S 50 com motor F3B3681B	07/2006	-	mitsubishi	80.890.02	038
	260 S 54 com motor F3BE0681A	02/2002	-	mitsubishi	80.890.02	038
	260 S 56 com motor F3B3681A	07/2006	-	mitsubishi	80.890.02	038
	440 S 40 com motor F3AE0681B	02/2002	-	mitsubishi	80.890.02	038
	440 S 40 com motor F3AE0681H	02/2002	-	mitsubishi	80.890.02	038
	440 S 42 com motor F3AE3681B	04/2006	-	mitsubishi	80.890.02	038
	440 S 42 com motor F3AE3681D	04/2006	-	mitsubishi	80.890.02	038
	440 S 43 com motor F3AE0681D	02/2002	-	mitsubishi	80.890.02	038
	440 S 45 com motor F3AE3681A	07/2006	-	mitsubishi	80.890.02	038
	440 S 48 com motor F3BE0681E	02/2002	-	mitsubishi	80.890.02	038
	440 S 50 com motor F3B3681B	07/2006	-	mitsubishi	80.890.02	038
	440 S 54 com motor F3BE0681A	02/2002	-	mitsubishi	80.890.02	038
	440 S 56 com motor F3B3681A	05/2006	-	mitsubishi	80.890.02	038
FIATALLIS		de /fron	até /until	M.Part./Starter	ZM	Pag.
AD Series		-	-	BOSCH	80.101.02	000
Crawler	Tractor 7D	-	-	DELCO REMY	80.280.08	021
FB 80	com motor D 229-4	01/1992	-	BOSCH	80.102.04	003
		01/1992	01/2003	BOSCH	80.132.04	017
FB Series		-	-	BOSCH	80.102.04	003
FD 170	com motor Cummins 6BT5.9 Cremalheira a banho de óleo	-	-	DELCO REMY	80.280.10	021
Grader	PG140 com motor Ford 7.5 litros GMA	-	-	DELCO REMY	80.280.03	019
	PG160 com motor Ford 7.5 litros GMA	-	-	DELCO REMY	80.280.03	019
Wheel Loader	FR 218	-	-	DELCO REMY	80.280.08	021
FORD		de /fron	até /until	M.Part./Starter	ZM	Pag.
C -1729	Rígido, com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
	Tractor, com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C 2423	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C 2429	(6x2) com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C 2623	(6x2) com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
	(6x4) com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C 2629	(6x4) com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C 816	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C-1119	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C-1319	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C-1517		05/2011	12/2011	DELCO REMY	80.291.04	025
C-1519	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C-1719	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
C-1723	com motor Cummins ISB 4.5L e 6.7L .	05/2011	-	DELCO REMY	80.291.04	025
Cargo	com motor Cummins ISB 6 cilindros	-	-	PRESTOLITE	80.480.04	040
Cargo 1215	6BTAA	04/1992	11/2000	BOSCH	80.132.06	017
	com motor 6BT	04/1992	10/1995	BOSCH	80.132.06	017
		04/1992	11/2000	BOSCH	80.102.06	004
Cargo 1217	6BTAA	11/2000	-	BOSCH	80.132.06	017
	com motor Cummins 6BT 5.9 litros	04/1992	10/1995	BOSCH	80.132.06	017
Cargo 1317e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	023
Cargo 1415	6BTAA	04/1992	11/2000	BOSCH	80.132.06	017
	com motor 6BT	08/1992	10/1995	BOSCH	80.132.06	017
Cargo 1417	6BTAA	11/2000	-	BOSCH	80.132.06	017
	com motor 6BT	04/1992	10/1995	BOSCH	80.132.06	017
	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.01	040
Cargo 1421	com motor Cummins 6BTAA 5.9 litros	12/1999	07/2002	BOSCH	80.132.06	017
Cargo 1517e	4x2 Motor Cummins ISB Interact 4 cil.	-	12/2012	DELCO REMY	80.290.03	023
Cargo 1617	4x2 Motor Cummins 6 BTAA 5.9 litros	05/1993	-	BOSCH	80.132.06	017
		-	-	PRESTOLITE	80.480.01	040
	com motor 6BT	05/1993	10/1995	BOSCH	80.132.06	017
Cargo 1618						



TABELA DE APLICAÇÃO

APPLICATION CHART

FORD		de /from	até /until	M.Part./Starter	ZM	Pag.
Cargo 1618	com motor 6.10	04/1993	-	BOSCH	80.103.03	006
		04/1993	-	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
Cargo 1621	com motor Cummins 6BTAA 5.9 litros	12/1999	07/2002	BOSCH	80.132.06	017
		-	-	PRESTOLITE	80.480.01	040
Cargo 1622	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.02	044
Cargo 1630	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
Cargo 1717e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	023
Cargo 1722 E	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	023
Cargo 2422	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.02	044
Cargo 2422e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	023
Cargo 2425	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.02	044
Cargo 2428e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	023
Cargo 2622	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	025
Cargo 2622e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	023
Cargo 2626	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
Cargo 2628e	com motor Cummins ISB Interact 6	-	12/2012	DELCO REMY	80.290.03	023
Cargo 2630	com motor Cummins 6CTAA 8.3 litros	06/1997	12/2002	BOSCH	80.132.06	017
		-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.02	044
Cargo 2631	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
Cargo 2632	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	026
Cargo 2932	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	026
Cargo 3222	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
Cargo 4030	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
Cargo 4532	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	026
Cargo 5032	com motor Cummins eletrônico ISC 6 cilindros 8.3 L.	-	03/2011	DELCO REMY	80.380.02	026
Cargo 814		06/1996	10/2000	BOSCH	80.102.06	004
Cargo 815		11/2000	-	BOSCH	80.102.06	004
Cargo 815e	com motor Cummins ISB Interact 4	-	12/2012	DELCO REMY	80.290.03	023
Cargo C 814	com motor 4BTAA	06/1996	10/2000	BOSCH	80.132.06	017
Cargo C 1216		05/1993	-	BOSCH	80.102.06	004
Cargo C 1217		11/2000	-	BOSCH	80.102.06	004
		-	-	PRESTOLITE	80.480.01	040
Cargo C 1415		04/1992	11/2000	BOSCH	80.102.06	004
Cargo C 1416		05/1993	-	BOSCH	80.102.06	004
Cargo C 1417		11/2000	-	BOSCH	80.102.06	004
Cargo C 1421		12/1999	-	BOSCH	80.102.06	004
		-	-	PRESTOLITE	80.480.01	040
Cargo C 1617		05/1993	-	BOSCH	80.102.06	004
Cargo C 1621		12/1999	-	BOSCH	80.102.06	004
Cargo C 815	VUC com motor Cummins 4BT 3.9 litros	-	-	PRESTOLITE	80.480.01	040
	com motor Cummins 4BT 3.9 litros	-	-	PRESTOLITE	80.480.01	040
	com motor Cummins 4BTA	11/2000	07/2002	BOSCH	80.132.06	017
Courier	1.0 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
	1.3i com motor Endura E	-	-	BOSCH	80.110.04	010



TABELA DE APLICAÇÃO

APPLICATION CHART

FORD		de /from	até /until	M.Part./Starter	ZM	Pag.
Courier	1.3i com motor JKCC	07/1997	08/1999	BOSCH	80.110.04	010
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
EcoNovan	2.0L DSL	01/1986	12/1999	DENSO	80.140.01	028
Ecosport	1.0 L com motor Supercharger	02/2003	-	VALEO	80.201.08	047
	1.0 L com motor Zetec Rocam	02/2003	-	VALEO	80.201.08	047
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
Escort	1.3i com motor J4B	01/1995	09/2001	BOSCH	80.110.04	010
	1.3i com motor J6A	01/1995	09/2001	BOSCH	80.110.04	010
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
	1.6i	01/1993	-	BOSCH	80.110.01	009
	1.8i	01/1993	-	BOSCH	80.110.01	009
	2.0i	01/1993	-	BOSCH	80.110.01	009
F 100	Pick-up com motor MWM 6 cilindros	-	-	PRESTOLITE	80.480.15	043
	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
F 150	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
F 3500	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
F-1000	2.5L Diesel com motor Maxion HS	01/1996	01/1998	PRESTOLITE	80.480.14	043
	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
F-12000		05/1996	-	BOSCH	80.102.07	004
F-14000	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
		05/1996	-	BOSCH	80.102.07	004
F-250	Pick-up com motor MWM Sprint 6.07TCA 4.2 litros	-	-	BOSCH	80.130.05	014
		03/1999	-	PRESTOLITE	80.480.17	044
	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
	com motor Cummins 4BTAA	11/1998	03/2006	BOSCH	80.130.06	014
		-	-	PRESTOLITE	80.480.06	041
F-350	com motor Cummins 4BTAA 3.9L	11/1998	08/2005	BOSCH	80.130.06	014
	com motor Cummins B 3.9L	-	-	PRESTOLITE	80.480.06	041
F-4000	4x2 Motor 4BT 4 Marchas	05/1996	10/1998	BOSCH	80.132.06	017
	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
	com motor Cummins 4BTAA 3.9L	11/1998	08/2005	BOSCH	80.130.06	014
	com motor Cummins B 3.9L	-	-	PRESTOLITE	80.480.06	041
		05/1996	10/1998	BOSCH	80.102.06	004
		05/1996	-	BOSCH	80.102.07	004
F-7000	Pick-up com motor MWM série 229	-	-	PRESTOLITE	80.480.02	040
F12000	Com motor Cummins B 5.9L 160 CV	-	-	DELCO REMY	80.280.13	022
F14000	Com motor Cummins B 5.9L 160CV	-	-	DELCO REMY	80.280.13	022
Fiesta	1.0L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
	1.0i com motor C4A	04/1996	08/1999	BOSCH	80.110.04	010
	1.3L	-	-	BOSCH	80.110.04	010
	1.3i com motor J4E	04/1996	08/1999	BOSCH	80.110.04	010
	1.6L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
Focus	1.6L com motor Zetec Rocam	01/2002	-	VALEO	80.201.08	047
	1.8L com motor C-Max CSDA	10/2003	03/2007	FORD	80.761.05	032
	1.8L com motor C-Max Q7DA	04/2004	03/2007	FORD	80.761.05	032
	1.8L com motor C-Max QQDA	11/2004	-	FORD	80.761.05	032
	2.0L com motor AODA	04/2004	-	FORD	80.761.05	032
	2.0L com motor C-Max A0DA	04/2004	03/2007	FORD	80.761.05	032
Galaxy	2.0	05/1992	12/1996	BOSCH	80.106.04	008
	2.0i	05/1992	12/1996	BOSCH	80.106.04	008
Ka	1.0 L com motor Zetec Rocam	04/1999	-	VALEO	80.201.08	047
	1.0i com motor C4B	01/1997	07/1999	BOSCH	80.110.04	010
	1.3i	-	-	BOSCH	80.110.04	010
	1.3i com motor J4D	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor J4G	01/1997	08/1999	BOSCH	80.110.04	010
	1.3i com motor J4K	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor J4M	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor J4N	09/1996	10/2002	BOSCH	80.110.04	010



TABELA DE APLICAÇÃO

APPLICATION CHART

FORD		de /fron	até /until	M.Part./Starter	ZM	Pag.
Ka	1.3i com motor J4P	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor J4S	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor JJB	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor JJD	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor JJF	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor JJG	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor JJH	09/1996	10/2002	BOSCH	80.110.04	010
	1.3i com motor JJJ	09/1996	10/2002	BOSCH	80.110.04	010
	1.6 L com motor Zetec Rocam	07/1999	-	VALEO	80.201.08	047
Pampa	1.6 com motor UNB	04/1993	07/1994	BOSCH	80.106.08	009
	1.6 com motor UPB	04/1993	12/1996	BOSCH	80.106.08	009
Ranger	2.5 L D com motor Maxion	01/1998	01/2001	FORD	80.761.04	032
	2.5 L com motor Maxion HS 4 cilindros	01/1998	01/2001	PRESTOLITE	80.480.13	043
	2.8 L com motor Maxion HS 4 cilindros	01/2002	01/2005	PRESTOLITE	80.480.13	043
	3.0L International	01/2005	01/2012	PRESTOLITE	80.480.13	043
	L4 2.3L 140 cid	01/2001	01/2011	FORD	80.761.03	032
	L4 2.3L 2300cc	01/2010	-	FORD	80.761.03	032
Royale	1.8 com motor UD	02/1992	01/1994	BOSCH	80.106.04	008
	1.8 com motor UE	02/1992	01/1994	BOSCH	80.106.04	008
	1.8i com motor UDB	02/1994	10/1996	BOSCH	80.106.04	008
	1.8i com motor UEB	02/1994	10/1996	BOSCH	80.106.04	008
	2.0 com motor UQ	02/1992	08/1993	BOSCH	80.106.04	008
	2.0 com motor UR	02/1992	08/1994	BOSCH	80.106.04	008
	2.0i com motor UQB	02/1992	08/1993	BOSCH	80.106.04	008
	2.0i com motor UQC	01/1993	10/1996	BOSCH	80.106.04	008
	2.0i com motor URA	01/1994	10/1996	BOSCH	80.106.04	008
Verona	1.8i	03/1992	-	BOSCH	80.110.01	009
	2.0i	03/1992	-	BOSCH	80.110.01	009
Versailles	1.8 com motor UD	06/1991	01/1994	BOSCH	80.106.04	008
	1.8 com motor UE	06/1991	01/1994	BOSCH	80.106.04	008
	1.8i com motor UDB	02/1994	10/1996	BOSCH	80.106.04	008
	1.8i com motor UEB	02/1994	10/1996	BOSCH	80.106.04	008
	2.0 com motor UQ	03/1991	08/1993	BOSCH	80.106.04	008
	2.0 com motor UR	03/1991	08/1994	BOSCH	80.106.04	008
	2.0i com motor UQB	03/1991	08/1993	BOSCH	80.106.04	008
	2.0i com motor UQC	01/1993	10/1996	BOSCH	80.106.04	008
	2.0i com motor URA	01/1994	10/1996	BOSCH	80.106.04	008
Ônibus B 1618	com motor 6.10 T	03/1993	09/1998	BOSCH	80.103.03	006
		03/1993	09/1998	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
Ônibus B 1621	com motor 6.10 T	03/1993	09/1998	BOSCH	80.103.03	006
		03/1993	09/1998	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
FORD-NEW HOLLAND		de /fron	até /until	M.Part./Starter	ZM	Pag.
8040	com motor OM 352	01/1984	07/1989	BOSCH	80.132.01	016
	with OM 352 engine	01/1984	07/1989	BOSCH	80.132.01	016
8055	com motor OM 352 A	01/1984	07/1989	BOSCH	80.132.01	016
	with OM 352 A engine	01/1984	07/1989	BOSCH	80.132.01	016
810	with 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
8670	with 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
8770	with 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
TM115	with 6 cil. 7,5L engine	01/1999	12/2002	ISKRA	80.825.02	034
TM125	with 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
TM150	with 6 cil. 7,5L engine	01/1999	12/2002	ISKRA	80.825.02	034
TM165	with Power Star 119Kw 7,5L engine	01/1999	12/2002	ISKRA	80.825.02	034
TS100	with 450T/PF engine	-	-	ISKRA	80.825.02	034
TS115	with 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
TV140	with 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034

TABELA DE APLICAÇÃO

APPLICATION CHART

GM-CHEVROLET		de /from	até /until	M.Part./Starter	ZM	Pag.
11000		07/1991	10/1996	BOSCH	80.132.03	016
12000		07/1991	10/1996	BOSCH	80.132.03	016
13000		07/1991	10/1996	BOSCH	80.132.03	016
14000		07/1991	10/1996	BOSCH	80.132.03	016
Agile	1.4 Flex	10/2009	-	BOSCH	80.115.01	011
Blazer	2.2 EFI com motor B22NZ	03/1995	10/1998	BOSCH	80.106.03	008
	2.5L Diesel com Motor Maxion HS	01/1996	01/2000	PRESTOLITE	80.480.14	043
	2.8 Diesel Eletronic com motor 4.07 TCE	08/2005	05/2009	BOSCH	80.110.03	010
	2.8 diesel com motor 4.07 TCA	02/2000	02/2005	BOSCH	80.110.03	010
Bonanza	com motor 4.2L Diesel S4	03/1992	10/1995	BOSCH	80.132.03	016
	com motor 4.2L Diesel Turbo S4T	03/1992	10/1995	BOSCH	80.132.03	016
Celta	1.0 VHC	10/2002	03/2006	BOSCH	80.115.01	011
	1.0 VHC Flexpower	06/2005	12/2008	BOSCH	80.115.01	011
	1.0L com motor VHC	01/2000	01/2015	VALEO	80.201.03	047
	1.4 MPFI	04/2006	12/2006	BOSCH	80.115.01	011
	1.4L com motor VHC	01/2003	01/2007	VALEO	80.201.03	047
Chevette	1.0	02/1992	12/1993	BOSCH	80.106.05	008
	1.4	06/1974	08/1982	BOSCH	80.106.05	008
	1.6	08/1982	07/1987	BOSCH	80.106.05	008
	1.6 S	08/1990	12/1994	BOSCH	80.106.05	008
Chevy	500 1.6	-	-	BOSCH	80.106.05	008
Classic	1.0 VHC	01/2003	12/2005	BOSCH	80.115.01	011
	1.0L com motor VHC	01/2004	01/2016	VALEO	80.201.03	047
Corsa	1.0 16V MPFI	04/1999	10/2002	BOSCH	80.115.01	011
	1.0 EFI	04/1994	12/1996	BOSCH	80.115.01	011
	1.0 MPFI	03/1996	12/2005	BOSCH	80.115.01	011
	1.0L com motor EFI	01/1994	01/2009	VALEO	80.201.03	047
	1.0L com motor MPFI	01/1994	01/2009	VALEO	80.201.03	047
	1.0L com motor VHC	01/1994	01/2009	VALEO	80.201.03	047
	1.3 EFI	01/1996	12/1997	BOSCH	80.115.01	011
	1.3 MPFI	01/1997	-	BOSCH	80.115.01	011
	1.4 EFI	06/1994	12/1996	BOSCH	80.115.01	011
	1.4 MPFI	01/1998	-	BOSCH	80.115.01	011
	1.4L com motor EFI	01/1994	01/1997	VALEO	80.201.03	047
	1.6 16V MPFI	01/1997	09/2001	BOSCH	80.115.01	011
	1.6 MPFI	01/1996	08/2003	BOSCH	80.115.01	011
	1.6L com motor EFI	01/1994	01/2008	VALEO	80.201.03	047
	1.6L com motor MPFI	01/1994	01/2008	VALEO	80.201.03	047
	1.6L com motor SFI	01/1994	01/2008	VALEO	80.201.03	047
	1.6L com motor VHC	01/1994	01/2008	VALEO	80.201.03	047
	GSI 1.6 16V SFI	03/1995	12/1996	BOSCH	80.115.01	011
	Pick-Up 1.6 EFI	05/1995	12/1996	BOSCH	80.115.01	011
	Pick-Up 1.6 MPFI	01/1996	08/2003	BOSCH	80.115.01	011
	Sedan 1.0 MPFI	03/1996	12/2005	BOSCH	80.115.01	011
D 20	Sedan 1.4 MPFI	01/2001	-	BOSCH	80.115.01	011
	Sedan 1.6 MPFI	12/1995	10/2006	BOSCH	80.115.01	011
	Wagon 1.0 MPFI	03/1996	07/2002	BOSCH	80.115.01	011
	Wagon 1.6 MPFI	01/1997	07/2002	BOSCH	80.115.01	011
	MWM Sprint 6Cil 4.2L	-	-	PRESTOLITE	80.480.15	043
D 6000	com motor S4 4.0L	03/1992	10/1995	BOSCH	80.132.03	016
	com motor S4T 4.0L	03/1992	08/1997	BOSCH	80.132.03	016
	com motor S4T Plus 4.0L	03/1992	10/1996	BOSCH	80.132.03	016
		-	-	PRESTOLITE	80.480.02	040
D 6000	Plus com motor S4T	03/1992	10/1996	BOSCH	80.132.03	016
	com motor S4	03/1992	12/1996	BOSCH	80.132.03	016
	com motor S4T	03/1992	12/1996	BOSCH	80.132.03	016
D series		-	-	BOSCH	80.102.03	003
D-40	com motor S4 4.0L	03/1992	10/1996	BOSCH	80.132.03	016



TABELA DE APLICAÇÃO

APPLICATION CHART

GM-CHEVROLET		de /from	até /until	M.Part./Starter	ZM	Pag.
D-40	com motor S4T 4.0L	03/1992	12/1996	BOSCH	80.132.03	016
Gran Blazer	4.2 L com motor MWM Sprint 6 cilindros	-	-	PRESTOLITE	80.480.15	043
Ipanema	1.8	08/1989	02/1991	BOSCH	80.106.03	008
	1.8 EFI com motor B18NZ	03/1991	12/1997	BOSCH	80.106.03	008
	1.8 EFI com motor B18YZ	03/1991	12/1997	BOSCH	80.106.03	008
	2.0	05/1989	12/1991	BOSCH	80.106.03	008
	2.0 EFI com motor B20NZ	03/1991	12/1997	BOSCH	80.106.03	008
	2.0 EFI com motor B20YZ	03/1991	12/1997	BOSCH	80.106.03	008
		-	-	BOSCH	80.106.02	007
Kadett	1.8	-	-	BOSCH	80.106.02	007
		05/1989	02/1991	BOSCH	80.106.03	008
	1.8 EFI com motor B18NZ	03/1991	12/1997	BOSCH	80.106.03	008
	1.8 EFI com motor B18YZ	03/1991	12/1997	BOSCH	80.106.03	008
	1.8i	-	-	BOSCH	80.106.02	007
	2.0	-	-	BOSCH	80.106.02	007
	2.0 EFI com motor B20NZ	03/1991	12/1997	BOSCH	80.106.03	008
	2.0 EFI com motor B20YZ	03/1991	12/1997	BOSCH	80.106.03	008
	2.0i	-	-	BOSCH	80.106.02	007
	GS 2.0 com motor B20NE	05/1989	12/1991	BOSCH	80.106.03	008
Marajó	GSI 2.0 com motor B20XE	11/1991	12/1995	BOSCH	80.106.03	008
	com motor 1.4	-	-	BOSCH	80.106.05	008
	com motor 1.6	-	-	BOSCH	80.106.05	008
	com motor 1.6 S	-	-	BOSCH	80.106.05	008
Meriva	1.4 Econom.Flex	09/2008	07/2012	BOSCH	80.115.01	011
Montana	1.4 Econo.Flex	10/2009	10/2010	BOSCH	80.115.01	011
Monza	1.8	01/1982	-	BOSCH	80.106.02	007
	1.8 EFI com motor B18NZ	03/1991	12/1995	BOSCH	80.106.03	008
	1.8 EFI com motor B18YZ	03/1991	12/1995	BOSCH	80.106.03	008
	1.8 com motor 18A	01/1984	12/1991	BOSCH	80.106.03	008
	1.8 com motor 18L	01/1984	12/1991	BOSCH	80.106.03	008
	1.8i	01/1982	-	BOSCH	80.106.02	007
	2.0	01/1982	-	BOSCH	80.106.02	007
		01/1982	-	BOSCH	80.106.03	008
	2.0 EFI com motor B20NZ	03/1991	12/1996	BOSCH	80.106.03	008
	2.0 EFI com motor B20YZ	03/1991	12/1996	BOSCH	80.106.03	008
	2.0 MPFI com motor C20NE	11/1989	05/1993	BOSCH	80.106.03	008
	2.0 com motor B20NE	10/1986	12/1991	BOSCH	80.106.03	008
	2.0i	01/1982	-	BOSCH	80.106.02	007
S10		01/1982	-	BOSCH	80.106.03	008
	2.2 EFI com motor B22NZ	03/1995	10/1998	BOSCH	80.106.03	008
	2.2 EFI	03/1995	10/1998	BOSCH	80.106.03	008
	2.5L Diesel com motor Maxion HS	01/1996	01/2000	PRESTOLITE	80.480.14	043
	2.8 4x4 Diesel Eletronc com motor 4.07 TCE	08/2005	01/2012	BOSCH	80.110.03	010
	2.8 diesel com motor 4.07 TCA	03/2001	-	BOSCH	80.110.03	010
Silverado	2.8 diesel com motor Sprint 4.07 TCA	03/2001	-	BOSCH	80.110.03	010
	4.2 L com motor MWM Sprint 6 cilindros	-	-	PRESTOLITE	80.480.15	043
Tigra	1.6 16V	08/1997	08/1998	BOSCH	80.115.01	011
Veraneio	com motor S4 Diesel	03/1992	10/1995	BOSCH	80.132.03	016
GM-OPEL		de /from	até /until	M.Part./Starter	ZM	Pag.
Movano	2.8L DTi	06/1998	10/2001	MITSUBISHI	80.993.01	036
	Box 2.5 DTi	07/1998	09/2001	MITSUBISHI	80.993.01	036
GURGEL		de /from	até /until	M.Part./Starter	ZM	Pag.
BR 800	com motor Enertron 800	02/1989	05/1993	BOSCH	80.106.01	007
		02/1989	05/1993	BOSCH	80.106.07	009
Carajás	1.8	02/1998	12/1994	BOSCH	80.106.04	008
Tocantins	L com motor VW-GB 1600	-	-	BOSCH	80.106.01	007
		-	-	BOSCH	80.106.07	009
	TR com motor VW-GB 1600	-	-	BOSCH	80.106.01	007



TABELA DE APLICAÇÃO

APPLICATION CHART

GURGEL		de /fron	até /until	M.Part./Starter	ZM	Paq.
Tocantins	TR com motor VW-GB 1600	-	-	BOSCH	80.106.07	009
HONDA		de /fron	até /until	M.Part./Starter	ZM	Paq.
Fit	1.5 L	01/2007	12/2008	DENSO	80.705.02	031
HYSTER		de /fron	até /until	M.Part./Starter	ZM	Paq.
Empilhadeira	H-150	-	-	DELCO REMY	80.456.01	027
	H-150E	-	-	DELCO REMY	80.456.01	027
	H-165	-	-	DELCO REMY	80.456.01	027
	H-165E	-	-	DELCO REMY	80.456.01	027
	H-180	-	-	DELCO REMY	80.456.01	027
	H-180E	-	-	DELCO REMY	80.456.01	027
	H-200	-	-	DELCO REMY	80.456.01	027
	H-200E	-	-	DELCO REMY	80.456.01	027
	H-200ES	-	-	DELCO REMY	80.456.01	027
	H-225	-	-	DELCO REMY	80.456.01	027
	H-225E	-	-	DELCO REMY	80.456.01	027
	H-250A	-	-	DELCO REMY	80.456.01	027
	H-250E	-	-	DELCO REMY	80.456.01	027
	H-25XL com motor com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	H-25XM com motor com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	H-300	-	-	DELCO REMY	80.456.01	027
	H-35XL com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	H-35XM com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	H-360A	-	-	DELCO REMY	80.456.01	027
	H-360AD	-	-	DELCO REMY	80.456.01	027
	H-400A	-	-	DELCO REMY	80.456.01	027
	H-40XL com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	H-50XL com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	H-700	-	-	DELCO REMY	80.456.01	027
	H-800A	-	-	DELCO REMY	80.456.01	027
	H75-110 XM com motor Perkins eMitsubishi	-	-	DENSO	80.140.10	030
	H75-110 XM with Perkins and Mitsubishi engines	-	-	DENSO	80.140.10	030
	H75-120 XL com motor Perkins e Mitsubishi	-	-	DENSO	80.140.10	030
	H75-120 XL with Perkins and Mitsubishi engines	-	-	DENSO	80.140.10	030
	P-125A	-	-	DELCO REMY	80.456.01	027
	P-150A	-	-	DELCO REMY	80.456.01	027
	P-165A	-	-	DELCO REMY	80.456.01	027
	P-180A	-	-	DELCO REMY	80.456.01	027
H-280	Trator HL2 1006, Motor Perkins Dsl	01/2002	01/2006	DELCO REMY	80.280.09	021
M-600		-	-	DELCO REMY	80.456.01	027
HYUNDAI		de /fron	até /until	M.Part./Starter	ZM	Paq.
Galloper	I 2.5 TD with 4D56T engine	08/1991	07/1998	mitsubishi	80.893.01	036
	II 2.5 TD with D4BA engine	08/1998	-	mitsubishi	80.893.01	036
H-1	2.5 TD Box with D4BF engine	03/2000	09/2000	mitsubishi	80.893.01	036
	2.5 TD Bus with D4BF engine	10/1997	-	mitsubishi	80.893.01	036
	2.5 TD Bus with D4BH engine	11/2001	-	mitsubishi	80.893.01	036
		03/2000	-	VALEO	80.201.04	047
H100	2.5 D Box with D4BA engine	07/1993	12/1994	mitsubishi	80.893.01	036
	2.5 D Box with D4BX engine	07/1993	12/1994	mitsubishi	80.893.01	036
	2.5 D Bus with D4BA engine	07/1993	12/1994	mitsubishi	80.893.01	036
	2.5 D Bus with D4BX engine	07/1993	12/1994	mitsubishi	80.893.01	036
		-	-	mitsubishi	80.893.01	036
HR	2.5L	01/2005	-	VALEO	80.201.04	047
Porter	2.5 TD Box with D4BA engine	07/1994	04/2004	mitsubishi	80.893.01	036
		07/1994	04/2004	VALEO	80.201.04	047
	2.5 TD Box with D4BH engine	07/1994	04/2004	mitsubishi	80.893.01	036
		07/1994	04/2004	VALEO	80.201.04	047
	2.5 TD Pickup with D4BA engine	07/1994	04/2004	mitsubishi	80.893.01	036
		07/1994	04/2004	VALEO	80.201.04	047
	2.5 TD Pickup with D4BH engine					



TABELA DE APLICAÇÃO

APPLICATION CHART

HYUNDAI		de /fron	até /until	M.Part./Starter	ZM	Pag.
Porter	2.5 TD Pickup with D4BH engine	07/1994	04/2004	mitsubishi	80.893.01	036
		07/1944	04/2004	VALEO	80.201.04	047
Starex	2.5 TD 4WD with D4BF engine	02/1998	-	mitsubishi	80.893.01	036
	2.5 TD with D4BF engine	06/1997	-	mitsubishi	80.893.01	036
INTERNATIONAL		de /fron	até /until	M.Part./Starter	ZM	Pag.
9000	com motor Cummins M11	-	-	DELCO REMY	80.456.01	027
Heavy Duty Bus 3000 Series	with 7.3 liters IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with 7.3 liters IHC T-444 engine	01/1993	01/2004	PRESTOLITE	80.481.03	044
Heavy Duty Bus 3900 Series	with 7.3 liters IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with 7.3 liters IHC T-444 engine	01/1993	01/2004	PRESTOLITE	80.481.03	044
Heavy Duty Truck 7100 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-530 engine	01/2003	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-570 engine	01/2003	01/2007	PRESTOLITE	80.481.03	044
Heavy Duty Truck 7700 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-530 engine	01/2003	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-570 engine	01/2003	01/2007	PRESTOLITE	80.481.03	044
Heavy Duty Truck 8100 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-530 engine	01/2003	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-570 engine	01/2003	01/2007	PRESTOLITE	80.481.03	044
Heavy Duty Truck 8600 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-530 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
	with IHC DT-570 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
Medium Truck 2554 Series	with IHC DT-466 engine	01/1993	01/2000	PRESTOLITE	80.481.03	044
Medium Truck 2564 Series	with IHC DT-466 engine	01/1993	01/2000	PRESTOLITE	80.481.03	044
Medium Truck 2654 Series	with IHC DT-466 engine	01/1993	01/2001	PRESTOLITE	80.481.03	044
Medium Truck 4000 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
Medium Truck 4900 Series	with IHC DT-466 engine	01/1993	01/2007	PRESTOLITE	80.481.03	044
Navistar	with 7.3 liters DT-466 I6 engine	-	-	PRESTOLITE	80.481.03	044
	with 7.6 liters DT-466 I6 engine	-	-	PRESTOLITE	80.481.03	044
	Ônibus 4700 com motor MWM 4.8L Euro II	-	-	PRESTOLITE	80.480.05	041
	Ônibus 4700 com motor MWM 4.8L Euro III	-	-	PRESTOLITE	80.480.05	041
Power Stroke turbo	7.3 L Diesel	-	-	PRESTOLITE	80.480.08	041
JINMA		de /fron	até /until	M.Part./Starter	ZM	Pag.
Trator	25 Hp	-	-	ESPECIAIS	80.480.41	050
	45 Hp	-	-	ESPECIAIS	80.480.40	049
JOHN DEERE		de /fron	até /until	M.Part./Starter	ZM	Pag.
1550	with 8,1L engine	-	-	DENSO	80.140.06	029
210	LE	-	-	DENSO	80.140.06	029
	LE com motor Diesel	01/1997	01/2000	DENSO	80.140.06	029
	LE with 4045 engine	01/1997	01/2000	DENSO	80.140.06	029
2256		01/1997	01/2006	DENSO	80.140.06	029
2258		01/1997	01/2006	DENSO	80.140.06	029
2264		01/1997	01/2006	DENSO	80.140.06	029
2266		01/1997	01/2006	DENSO	80.140.06	029
310	J com motor JD 4.5L 93HP Diesel	-	-	DENSO	80.140.06	029
	SG com motor a Diesel	01/2000	01/2005	DENSO	80.140.06	029
315	SG com motor Diesel	01/2000	01/2005	DENSO	80.140.06	029
325J		-	-	DENSO	80.140.06	029
3520		-	-	DENSO	80.140.06	029
3522		-	-	DENSO	80.140.06	029
4045DFM50	with 4Cyl. 276CI 4,5L engine	-	-	DENSO	80.140.06	029
4045DFM70	with 4 Cyl. 276CI 4,5L engine	01/2004	01/2007	DENSO	80.140.06	029
4045TFM50	with 4Cyl. 276CI 4,5L engine	-	-	DENSO	80.140.06	029
4045TFM75	with 4Cyl. 276CI 4,5L engine	01/2004	01/2007	DENSO	80.140.06	029



TABELA DE APLICAÇÃO

APPLICATION CHART

JOHN DEERE		de /from	até /until	M.Part./Starter	ZM	Pag.
410	J com motor JD 4.5L 98HP Diesel	-	-	DENSO	80.140.06	029
450	H	-	-	DENSO	80.140.06	029
	H LGP	-	-	DENSO	80.140.06	029
	H LT	-	-	DENSO	80.140.06	029
	J with 4045T engine	-	-	DENSO	80.140.06	029
460	D	-	-	DENSO	80.140.06	029
4700	Com motor 4 Cil. 2.19L	01/1999	01/2000	DENSO	80.140.06	029
4710	com motor 4Cil. 2.19L 2190cc 134cid	01/2001	01/2004	DENSO	80.140.06	029
4720		-	-	DENSO	80.140.06	029
4730	with 6-414 engine	-	-	DENSO	80.140.06	029
		-	-	DENSO	80.140.06	029
4830	with 6-414 engine	-	-	DENSO	80.140.06	029
4920		-	-	DENSO	80.140.06	029
4995		-	-	DENSO	80.140.06	029
530	B Log Loader	-	-	DENSO	80.140.06	029
5320N	com moto 3029T 3 Cil. 2.9L	-	-	PRESTOLITE	80.481.04	045
535	Log Loader	01/1997	01/2006	DENSO	80.140.06	029
5410	com motor 4045D 4 Cil. 4.5L	-	-	PRESTOLITE	80.481.04	045
550	H	-	-	DENSO	80.140.06	029
	H LPJ	-	-	DENSO	80.140.06	029
	H LT	-	-	DENSO	80.140.06	029
	J with 4045T engine	-	-	DENSO	80.140.06	029
5520N	com motor 4045T 4Cil. 4.5L	-	-	PRESTOLITE	80.481.04	045
560	D	-	-	DENSO	80.140.06	029
5600	com motor 4039D 4 Cil. 3.9L	-	-	PRESTOLITE	80.481.04	045
5700	com motot 4039T 4 Cil 3.9L	-	-	PRESTOLITE	80.481.04	045
6059		-	-	DENSO	80.140.06	029
6068		01/1996	01/2006	DENSO	80.140.06	029
6068SFM50	with 6Cyl. 414CI 6,8L engine	01/2004	01/2007	DENSO	80.140.06	029
6068SFM75	with 6Cyl. 141CI 6,8L engine	01/2004	01/2007	DENSO	80.140.06	029
6068TFM50	with 6Cyl. 414CI 6,8L engine	-	-	DENSO	80.140.06	029
6068TFM75	with 6Cyl. 414CI 6,8L engine	01/2004	01/2007	DENSO	80.140.06	029
6068TFM76	with 6Cyl. 414CI 6,8L engine	01/2004	01/2007	DENSO	80.140.06	029
6076		01/1997	01/2006	DENSO	80.140.06	029
6081AFM01	with 6Cyl. 496CI 8,1L engine	-	-	DENSO	80.140.06	029
6081AFM75	with 6Cyl. 496CI 8,1L engine	01/2004	01/2007	DENSO	80.140.06	029
6300	com motor 4039T 4 Cil. 3.9L	-	-	PRESTOLITE	80.481.04	045
643	J with 6068H engine	-	-	DENSO	80.140.06	029
650	H with 4045 engine	01/1997	-	DENSO	80.140.06	029
	J with 4045 engine	-	-	DENSO	80.140.06	029
660		-	-	DENSO	80.140.06	029
6600	com motor 6059T 6 Cil. 5.9L	-	-	PRESTOLITE	80.481.04	045
6650	com motor 6Cil. 8.18L 8180cc	01/1998	01/2003	DENSO	80.140.06	029
710	D with 6059 engine	01/1992	01/2003	DENSO	80.140.06	029
	G with 6068 engine	01/2003	01/2007	DENSO	80.140.06	029
7200		-	-	DENSO	80.140.06	029
7210	com motor 6Cil. 6.78L 6724cc 410cid	01/1996	01/2001	DENSO	80.140.06	029
7300		01/2002	01/2006	DENSO	80.140.06	029
7400		-	-	DENSO	80.140.06	029
7410	com motor 6Cil. 6.78L 6724cc 410cid	01/1996	01/2001	DENSO	80.140.06	029
748	G	-	-	DENSO	80.140.06	029
7500		01/2002	01/2006	DENSO	80.140.06	029
7505		-	-	DENSO	80.140.06	029
7510	com motor 6Cil. 6,78L 6724cc 410cid	01/1998	01/2001	DENSO	80.140.06	029
753	G with 6CTA 8,3L engine	01/1999	-	DENSO	80.140.06	029
	GL with 6CTA 8,3L engine	01/1999	-	DENSO	80.140.06	029
7630	with 6-414 engine	01/2007	01/2011	DENSO	80.140.06	029



TABELA DE APLICAÇÃO

APPLICATION CHART

JOHN DEERE		de /from	até /until	M.Part./Starter	ZM	Pag.
7710	with 6-466 engine	01/1996	-	DENSO	80.140.06	029
7720	with 6-414 engine	01/2004	01/2007	DENSO	80.140.06	029
7730	with 6-414 engine	01/2007	01/2011	DENSO	80.140.06	029
7810	with 6-466 engine	01/1996	01/2001	DENSO	80.140.06	029
7815	with 6-414 engine	-	-	DENSO	80.140.06	029
7820	with 6-414 engine	03/2003	01/2006	DENSO	80.140.06	029
	with 6-496 engine	01/2003	01/2006	DENSO	80.140.06	029
7830	with 6-414 engine	01/2007	01/2011	DENSO	80.140.06	029
7920	with 6-496 engine	01/2004	01/2006	DENSO	80.140.06	029
7930	with 6-414 engine	01/2007	01/2011	DENSO	80.140.06	029
8100	T with 6-466 engine	01/1997	01/1999	DENSO	80.140.06	029
8110	T with 6-496 engine	01/2000	01/2001	DENSO	80.140.06	029
8120	T with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
	with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
8130	with 6-548 engine	01/2005	01/2009	DENSO	80.140.06	029
8200	T with 6-466 engine	01/1997	01/1999	DENSO	80.140.06	029
	with 6-496 engine	01/1994	01/1999	DENSO	80.140.06	029
	with 6-548 engine	01/1994	01/1999	DENSO	80.140.06	029
8210	T with 6-496 engine	01/2000	01/2001	DENSO	80.140.06	029
	with 6-496 engine	01/1999	01/2002	DENSO	80.140.06	029
8220	T with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
	with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
8230	with 6-548 engine	01/2005	01/2009	DENSO	80.140.06	029
8300	T with 6-466 engine	01/1997	-	DENSO	80.140.06	029
	with 6-496 engine	01/1997	-	DENSO	80.140.06	029
8310	T with 6-496 engine	01/2000	01/2001	DENSO	80.140.06	029
	with 6-496 engine	01/1999	01/2002	DENSO	80.140.06	029
8320	T with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
	with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
8330	with 6-548 engine	01/2005	01/2009	DENSO	80.140.06	029
8400	T 6-466 engine	01/1997	-	DENSO	80.140.06	029
8410	T with 6-496 engine	01/2001	01/2002	DENSO	80.140.06	029
	with 6-496 engine	01/1999	01/2002	DENSO	80.140.06	029
8420	T with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
	with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
843	with 6068H engine	-	-	DENSO	80.140.06	029
8430	with 6-548 engine	01/2005	01/2009	DENSO	80.140.06	029
848	G	-	-	DENSO	80.140.06	029
8520	T with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
	with 6-496 engine	01/2001	01/2005	DENSO	80.140.06	029
8530	with 6-548 engine	01/2005	01/2009	DENSO	80.140.06	029
9100	with 6-466 engine	01/1997	-	DENSO	80.140.06	029
9120	with 6-466 engine	01/2002	01/2007	DENSO	80.140.06	029
9410	com motor 6Cil. 6.78L 6724cc	01/1998	01/2000	DENSO	80.140.06	029
9450		-	-	DENSO	80.140.06	029
9510	com motor 8.1L Diesel	01/1997	01/2006	DENSO	80.140.06	029
9540		-	-	DENSO	80.140.06	029
9550	SH	-	-	DENSO	80.140.06	029
		-	-	DENSO	80.140.06	029
9560	SH	-	-	DENSO	80.140.06	029
		-	-	DENSO	80.140.06	029
9570	STS with 414 engine	-	-	DENSO	80.140.06	029
9580		-	-	DENSO	80.140.06	029
9610	Maximizer with 6081H engine	01/1997	-	DENSO	80.140.06	029
		-	-	DENSO	80.140.06	029
9640		-	-	DENSO	80.140.06	029
9650	CTS	01/2001	-	DENSO	80.140.06	029



TABELA DE APLICAÇÃO

APPLICATION CHART

JOHN DEERE		de /fron	até /until	M.Part./Starter	ZM	Pag.
9650	STS	01/2001	-	DENSO	80.140.06	029
9660	CTS	-	-	DENSO	80.140.06	029
	STS	-	-	DENSO	80.140.06	029
		-	-	DENSO	80.140.06	029
9670	com motor STS 6Cil. 8,98L 8924cc 544cid	01/2007	01/2009	DENSO	80.140.06	029
9680		-	-	DENSO	80.140.06	029
9750	STS	-	-	DENSO	80.140.06	029
9760	CTS	-	-	DENSO	80.140.06	029
9770	com motor STS 6Cil. 8,98L 8924L 544cid	01/2007	01/2009	DENSO	80.140.06	029
9780	CTS	-	-	DENSO	80.140.06	029
9970	with 6-466 engine	-	-	DENSO	80.140.06	029
9976		-	-	DENSO	80.140.06	029
9986		-	-	DENSO	80.140.06	029
9996	with 6081 engine	-	-	DENSO	80.140.06	029
CTS	Euro	-	-	DENSO	80.140.06	029
	II	-	-	DENSO	80.140.06	029
Colheitadeira 1165	1165 com motor 4 cilindros 3.9 litros	-	-	PRESTOLITE	80.480.07	041
Colheitadeira 1175	1175 com motor 4 cilindros 3.9 litros	-	-	PRESTOLITE	80.480.07	041
Colheitadeira 1450	1450 com motor 4 cilindros 3.9 litros	-	-	PRESTOLITE	80.480.07	041
JD 50 D	com motor yanmar-BTD 33T	06/1989	06/2004	BOSCH	80.102.19	005
Trator	1420 com motor 3Y 4Cil.	-	-	PRESTOLITE	80.481.04	045
	165J com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	185J com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	2140 com motor 6.359	-	-	PRESTOLITE	80.481.04	045
	2330 com motor 3Y 4Cil.	-	-	PRESTOLITE	80.481.04	045
	2420 com motor 3Y 4Cil.	-	-	PRESTOLITE	80.481.04	045
	2530 com motor 3Y 4Cil.	-	-	PRESTOLITE	80.481.04	045
	2730 com motor 3Y 4Cil.	-	-	PRESTOLITE	80.481.04	045
	2850 com motor 4.239D	-	-	PRESTOLITE	80.481.04	045
	2850 com motor 6.359	-	-	PRESTOLITE	80.481.04	045
	3140 com motor 4.239D	-	-	PRESTOLITE	80.481.04	045
	3140 com motor 6.359	-	-	PRESTOLITE	80.481.04	045
	3350 com motor 4.239D	-	-	PRESTOLITE	80.481.04	045
	3350 com motor 6.359	-	-	PRESTOLITE	80.481.04	045
	3420 com motor 6Cil	-	-	PRESTOLITE	80.481.04	045
	3530 com motor 6 Cil	-	-	PRESTOLITE	80.481.04	045
	3540 com motor 4.239D	-	-	PRESTOLITE	80.481.04	045
	3550 com motor 4.239D	-	-	PRESTOLITE	80.481.04	045
	3550 com motor 6.359	-	-	PRESTOLITE	80.481.04	045
	4420 com motor 6Cil	-	-	PRESTOLITE	80.481.04	045
	4530 com motor 6Cil.	-	-	PRESTOLITE	80.481.04	045
	627 com motor 6Cil.	-	-	PRESTOLITE	80.481.04	045
	6600 com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	6605 com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	6615 com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	7165J com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	7185J com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	727 com motor 6Cil.	-	-	PRESTOLITE	80.481.04	045
	7500 com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	7505 com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
	7515 com motor 6 Cil.	-	-	PRESTOLITE	80.481.05	045
Trator 7500	7500 com motor 6068T 6 cilindros 6.8 litros	-	-	PRESTOLITE	80.480.07	041
Trator de Esteira	570 com motor 6Cil.	-	-	PRESTOLITE	80.481.04	045
	570A com motor 6Cil.	-	-	PRESTOLITE	80.481.04	045
KIA MOTORS		de /fron	até /until	M.Part./Starter	ZM	Pag.
Besta	com motor 2.2L	02/1996	-	DENSO	80.140.01	028
	com motor 2.7L	-	-	DENSO	80.140.02	028
Bongo K2500	2.5L	01/2008	-	VALEO	80.201.04	047



TABELA DE APLICAÇÃO

APPLICATION CHART

KIA MOTORS		de /fron	até /until	M.Part./Starter	ZM	Pag.
Sportage	2.0L	01/1996	12/2002	DENSO	80.140.01	028
KOMATSU		de /fron	até /until	M.Part./Starter	ZM	Pag.
FD40ZT-7	com motor 6D102E	01/1998	01/2005	DENSO	80.141.01	030
PC 180		-	-	DENSO	80.141.01	030
PC 200	Serie 8	-	-	DENSO	80.141.02	030
	com motor Cummins 4B 3,9L	-	-	DELCO REMY	80.280.02	019
	com motor Cummins 4BT 3,9L	-	-	DELCO REMY	80.280.02	019
	com motor Cummins 6B 5,9L	-	-	DELCO REMY	80.280.02	019
	com motor Cummins 6BT 5,9L	-	-	DELCO REMY	80.280.02	019
	com motor Cummins 6BTAA	-	-	DELCO REMY	80.280.02	019
		-	-	DENSO	80.141.01	030
PC 220		-	-	DENSO	80.141.02	030
WA120	com motor 4B	01/1997	01/2007	DENSO	80.141.01	030
	com motor 6B	01/1997	01/2007	DENSO	80.141.01	030
WA180	3 Avance Plus com motor S6D102E-1	01/1997	01/2007	DENSO	80.141.01	030
	3 PTC Avance Plus com motor S6D102E-1	01/1997	01/2007	DENSO	80.141.01	030
	com motor 4B	01/1997	01/2007	DENSO	80.141.01	030
	com motor 6B	01/1997	01/2007	DENSO	80.141.01	030
WA200	5 com motor SAA6D102E-2	01/2006	01/2007	DENSO	80.141.01	030
	PT 5 com motor SAA6D102E-2	01/2006	01/2007	DENSO	80.141.01	030
WA250	com motor 4B	01/1997	01/2007	DENSO	80.141.01	030
	com motor 6B	01/1997	01/2007	DENSO	80.141.01	030
WA253	com motor 4B	01/1997	01/2007	DENSO	80.141.01	030
	com motor 6B	01/1997	01/2007	DENSO	80.141.01	030
LAND ROVER / ROVER GROUP		de /fron	até /until	M.Part./Starter	ZM	Pag.
Land Rover 110	2.5 Turbo Diesel	09/1983	07/1990	BOSCH	80.130.01	013
	2.5 Turbo Diesel 200 TDI	07/1989	07/1990	BOSCH	80.130.01	013
	2.5 Turbo Diesel 300 TDI	09/1989	07/1990	BOSCH	80.130.01	013
Land Rover Defender 110	2.5 Turbo Diesel com motor Gemini TCI D.I 23L	08/1990	12/2001	BOSCH	80.130.01	013
	2.5 Turbo Diesel com motor MAXion HS4TCC	08/1998	12/2005	BOSCH	80.130.01	013
Land Rover Defender 130	2.5 Turbo Diesel com motor Gemini TCI D.I 23L	08/1990	12/2001	BOSCH	80.130.01	013
	2.5 Turbo Diesel com motor MAXion HS4TCC	08/1998	02/2000	BOSCH	80.130.01	013
Land Rover Defender 90	2.5 Turbo Diesel com motor Gemini TCI D.I 23L	08/1990	12/2001	BOSCH	80.130.01	013
	2.5 Turbo Diesel com motor MAXion HS4TCC	08/1998	12/2005	BOSCH	80.130.01	013
Land Rover Discovery I	2.5 Turbo Diesel com motor 19,21,22L 300 Gemi	10/1993	12/1998	BOSCH	80.130.01	013
	2.5 Turbo Diesel com motor 200TDI	09/1989	09/1994	BOSCH	80.130.01	013
MAN		de /fron	até /until	M.Part./Starter	ZM	Pag.
10.180	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
10.210	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
10.240	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
12.180	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
12.210	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
12.240	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
18.240	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
18.280	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
18.330	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
26.280	TGL	01/2005	-	MITSUBISHI	80.895.02	037
26.330	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
7.150	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
7.180	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
8.180	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
8.210	4.6L TGL	01/2005	-	MITSUBISHI	80.895.02	037
8.240	6.9L TGL	01/2005	-	MITSUBISHI	80.895.02	037
MARCOPOLLO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Volare		-	-	DELCO REMY	80.291.03	025
MASSEY FERGUSON		de /fron	até /until	M.Part./Starter	ZM	Pag.
9790	with Perkins 1006-60 engine	-	-	ISKRA	80.825.04	035



TABELA DE APLICAÇÃO

APPLICATION CHART

MASSEY FERGUSON		de /from	até /until	M.Part./Starter	ZM	Pag.
Agco	Dicumar 6BT-F700	-	-	DELCO REMY	80.280.12	022
MF 1000		-	-	BOSCH	80.102.03	003
MF 1630	com motor A 6.354-4	01/1981	-	BOSCH	80.132.03	016
	com motor A.4248	01/1981	11/1986	BOSCH	80.132.03	016
MF 235	com motor 3.152 A	04/1976	-	BOSCH	80.102.18	005
MF 265	com motor D 4.203 A	04/1976	-	BOSCH	80.102.18	005
MF 265/4	com motor D 4.203 A	06/1987	-	BOSCH	80.102.18	005
MF 275	com motor 4.236 A	04/1976	04/1991	BOSCH	80.102.20	005
MF 275/4	com motor 4.236 A	04/1985	04/1991	BOSCH	80.102.20	005
MF 283	com motor A 4.248	01/1980	01/1995	BOSCH	80.102.20	005
MF 290	com motor 4.248 A	04/1976	04/1991	BOSCH	80.102.20	005
MF 290/4	com motor 4.248 A	04/1982	04/1991	BOSCH	80.102.20	005
MF 292	Turbo com motor T 4.236 A	01/1986	01/1999	BOSCH	80.102.20	005
MF 292/4	Turbo com motor T 4.236 A	01/1984	01/1999	BOSCH	80.102.20	005
MF 295	com motor Perkins 6.358 A	04/1980	04/1989	BOSCH	80.102.19	005
MF 296	com motor Perkins 6.354-4 A	01/1984	-	BOSCH	80.102.19	005
MF 3000		-	-	BOSCH	80.102.03	003
MF 32	with Sisu 6200 6 Cil. engine	03/2008	-	ISKRA	80.825.03	034
MF 34	with Sisu 634DSA 6 Cil. engine	04/2008	-	ISKRA	80.825.03	034
MF 3640	com motor 1006-6	01/1973	-	BOSCH	80.132.04	017
	com motor 6358 A	01/1973	12/1983	BOSCH	80.132.04	017
	com motor Perkins 1006-6	01/1973	-	BOSCH	80.132.04	017
MF 4000 Series		-	-	BOSCH	80.101.02	000
MF 4292	with Sisu 420DS 4 Cil. engine	06/2009	-	ISKRA	80.825.03	034
MF 460 XTRA	with Sisu 44DTA 4 Cil. engine	06/2009	-	ISKRA	80.825.03	034
MF 470 XTRA	with Sisu 44DTA 4 Cil. engine	06/2009	-	ISKRA	80.825.03	034
MF 480 XTRA	with Sisu 44DTA 4 Cil. engine	06/2009	-	ISKRA	80.825.03	034
MF 5000		-	-	BOSCH	80.102.03	003
MF 5465	with Perkins 6 Cil. 6.0L engine	-	-	ISKRA	80.825.04	035
MF 5650	Turbo com motor AT 6.354-4	03/1988	-	BOSCH	80.132.03	016
	com motor 1006-6T	01/1982	-	BOSCH	80.132.03	016
	com motor A 6.354-4	01/1982	01/1997	BOSCH	80.132.03	016
	com motor Perkins 1006-6T	05/1996	-	BOSCH	80.132.03	016
	with Sisu 620DS 6Cil. 4.4L engine	-	-	ISKRA	80.825.03	034
MF 6000 Series		-	-	BOSCH	80.102.03	003
MF 6845	com motor 1006-6T	12/1994	12/2004	BOSCH	80.132.03	016
MF 6855	com motor Perkins 1006-6TW	10/1993	10/2003	BOSCH	80.132.03	016
MF 6865	com motor Perkins 1006-6T	09/1994	-	BOSCH	80.132.03	016
MF 8140	with 620DE engine	-	-	ISKRA	80.825.04	035
MF 8150	with 620DS engine	-	-	ISKRA	80.825.04	035
MF 8160	with 634DS engine	-	-	ISKRA	80.825.04	035
MF 8210		-	-	ISKRA	80.825.04	035
MF 8220	with 155HP engine	-	-	ISKRA	80.825.04	035
MF 8250	with 634DWE engine	-	-	ISKRA	80.825.04	035
MG 4297	with Sisu420DS 4 Cil. engine	06/2009	-	ISKRA	80.825.03	034
MG 4299	with Sisu 420DSA 4Cil. engine	08/2009	-	ISKRA	80.825.03	034
MAXION		de /from	até /until	M.Part./Starter	ZM	Pag.
9110	com motor A 6.354-4	08/1989	08/2004	BOSCH	80.102.19	005
9130	com motor AT 6.354-4	08/1989	08/2004	BOSCH	80.102.19	005
9150	com motor AT 6.354-4	08/1989	08/2004	BOSCH	80.102.19	005
9170	com motor AT 6.354-4	08/1989	08/2004	BOSCH	80.102.19	005
Ideal 9070	com motor A 6.354-4	08/1992	08/2002	BOSCH	80.102.19	005
Ideal 9075	com motor A 6.354-4	10/1990	10/2000	BOSCH	80.102.19	005
	com motor Perkins 1006-6	09/1994	-	BOSCH	80.132.03	016
		-	-	BOSCH	80.102.03	003
Ideal 9090	com motor Perkins 1006-6T	10/1993	10/2003	BOSCH	80.132.03	016
	com motor Perkins 1006-6TW	12/1994	-	BOSCH	80.132.03	016



TABELA DE APLICAÇÃO

APPLICATION CHART

MAXION		de /fron	até /until	M.Part./Starter	ZM	Pag.
Ideal 9090		-	-	BOSCH	80.102.03	003
MAZDA		de /fron	até /until	M.Part./Starter	ZM	Pag.
121	1.3i com motor HCS	01/1997	12/1998	BOSCH	80.110.04	010
323	2.0L DSL	01/1986	12/1998	DENSO	80.140.01	028
	2.0L T DSL	01/1998	-	DENSO	80.140.01	028
626	2.0L DSL	01/1982	12/2002	DENSO	80.140.01	028
B 2200	Pick-Up DSL	01/1985	12/1996	DENSO	80.140.01	028
E 2200	Van 2.2L DSL	01/1984	12/1988	DENSO	80.140.01	028
Empilhadeira	H-25XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	H-25XM com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	H-35XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	H-35XM com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	H-40XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	H-50XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	H-60XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	S-25XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	S-25XM com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	S-35XL com motor FE	01/1998	01/2006	mitsubishi	80.790.01	036
	S-40XL com motor FE	01/1998	01/2001	mitsubishi	80.790.01	036
	S-40XM com motor 2.0l	01/1998	01/2001	mitsubishi	80.790.01	036
	S-45XM com motor 2.0l	01/1998	01/2001	mitsubishi	80.790.01	036
	S-50XM com motor M4-121G	01/1998	01/2001	mitsubishi	80.790.01	036
	S-55XM com motor M4-121G	01/1998	01/2001	mitsubishi	80.790.01	036
	S-60XM com motor M4-121G	01/1998	01/2001	mitsubishi	80.790.01	036
	S-65XM com motor M4-121G	01/1998	01/2001	mitsubishi	80.790.01	036
Truck	B2300 L4 2.3L 2294cc	01/2001	-	FORD	80.761.03	032
	B2300 L4 2.3L 2300cc	01/2002	01/2009	FORD	80.761.03	032
MERCEDES-BENZ		de /fron	até /until	M.Part./Starter	ZM	Pag.
108	2.2 CDI Vito com motor OM 611.980	04/1999	09/2003	BOSCH	80.110.02	010
	2.3 D Vito com motor OM 601.942	11/1995	09/2003	BOSCH	80.110.02	010
109	2.1 CDI Vito com motor OM 646.980	11/2006	07/2010	BOSCH	80.110.02	010
	2.1 CDI Vito com motor OM 646.983	10/2003	10/2006	BOSCH	80.110.02	010
110	2.2 CDI Vito com motor OM 611.980	04/1999	09/2003	BOSCH	80.110.02	010
	2.3 D Vito com motor OM 601.970	11/1995	09/2003	BOSCH	80.110.02	010
111	2.1 CDI Vito com motor OM 646.981	11/2006	07/2010	BOSCH	80.110.02	010
	2.1 CDI Vito com motor OM 646.982	10/2003	10/2006	BOSCH	80.110.02	010
112	2.2 CDI Vito com motor OM 611.980	04/1999	09/2003	BOSCH	80.110.02	010
115	2.1 CDI Vito com motor OM646.942	10/2003	07/2010	BOSCH	80.110.02	010
1214	C com motor OM 364 LA	06/1997	-	BOSCH	80.132.01	016
	C with OM 364 LA engine	06/1997	-	BOSCH	80.132.01	016
1215	C	-	-	BOSCH	80.130.04	013
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
1218	EL	-	-	DELCO REMY	80.280.04	020
	L	-	-	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
	L com motor OM 904	07/2001	12/2005	BOSCH	80.130.04	013
1218EL	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
1218L	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
1218L		-	-	DELCO REMY	80.280.04	020
1417	com motor OM 904.920	10/1998	01/2006	BOSCH	80.130.04	013
1418	EL	-	-	DELCO REMY	80.280.04	020
	L	-	-	DELCO REMY	80.280.04	020
	L com motor 904LA	07/2001	12/2005	BOSCH	80.130.04	013
	R	-	-	DELCO REMY	80.280.05	020
	com motor OM 904LA(Euro III)	01/2004	12/2011	BOSCH	80.130.04	013
		-	-	BOSCH	80.130.04	013
1418L	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
1418R	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
1419		-	-	DELCO REMY	80.280.04	020
1618	com motor OM 904LA	10/1998	01/2006	BOSCH	80.130.04	013
1620	L	-	-	DELCO REMY	80.280.05	020
1622	L com motor OM 924LA	07/2001	12/2005	BOSCH	80.130.04	013
1694	with OM 366 A enginer	01/1988	12/2005	BOSCH	80.102.19	005
1695	with OM 366 LA enginer	01/1988	12/2005	BOSCH	80.102.19	005
1704	with OM 366 C enginer	01/1988	12/2005	BOSCH	80.102.19	005
1714	K com motor OM 366	02/1991	-	BOSCH	80.132.01	016
	K with OM 366 engine	02/1991	-	BOSCH	80.132.01	016
1718	A com motor OM 366 A	05/1999	-	BOSCH	80.132.01	016
	A with OM 366 A engine	05/1999	-	BOSCH	80.132.01	016
	K com motor OM 366 A	07/1990	-	BOSCH	80.132.01	016
	M com motor OM904LA	01/2001	12/2005	BOSCH	80.130.04	013
	com motor OM 366 A	07/1990	-	BOSCH	80.132.01	016
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	with OM 366 A engine	07/1990	-	BOSCH	80.132.01	016
		-	-	DELCO REMY	80.280.04	020
1720	K	-	-	DELCO REMY	80.280.05	020
	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 LA	02/1998	-	BOSCH	80.132.01	016
	com motor OM 366LA 24V	-	-	DELCO REMY	80.291.01	024
	with OM 366 LA engine	02/1998	-	BOSCH	80.132.01	016
		-	-	DELCO REMY	80.280.05	020
1720 K	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
1721	S com motor OM 366 LA	12/1994	-	BOSCH	80.132.01	016
	S with OM 366 LA engine	12/1994	-	BOSCH	80.132.01	016
1722	S com motor OM 366 LA	05/1998	-	BOSCH	80.132.01	016
	S with OM 366 LA engine	05/1998	-	BOSCH	80.132.01	016
	com motor OM 924LA	01/2004	12/2011	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
1723	com motor OM 366 LA 24V	02/1998	-	BOSCH	80.132.01	016
	with OM 366 LA engine	02/1998	-	BOSCH	80.132.01	016
1725	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
1728	com motor OM 906(Euro II)	04/2003	12/2006	BOSCH	80.130.04	013



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
1730	com motor OM 926LA	05/2001	-	BOSCH	80.130.04	013
190	E 2.6L com motor M103.942	09/1986	08/1993	BOSCH	80.110.02	010
	E 3.2L AMG com motor M 103.983	09/1988	08/1993	BOSCH	80.110.02	010
208	2.2 CDI Sprinter com motor OM 611.987 DE	04/2000	05/2006	BOSCH	80.110.02	010
209	2.1 CDI Sprinter com motor OM 646.984 DE	04/2006	03/2009	BOSCH	80.110.02	010
210	2.9L D Sprinter com motor OM 602.980 DE	01/1997	03/2000	BOSCH	80.110.02	010
211	2.2 CDI Sprinter com motor OM 611.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
212	2.9L D Sprinter com motor OM 602.980 DE	02/1995	03/2000	BOSCH	80.110.02	010
213	2.2 CDI Sprinter com motor OM 611.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
216	2.7L CDI Sprinter com motor OM 612.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
2418	com motor OM 366 A	03/1991	-	BOSCH	80.132.01	016
	with OM 366 A engine	03/1991	-	BOSCH	80.132.01	016
2423	B com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	B com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	B com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	B com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	K com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	K com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	K com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	K com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 LA	05/1999	01/2006	BOSCH	80.130.04	013
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
2428	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 LA	03/2001	01/2006	BOSCH	80.130.04	013
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
260	E 2.6L 4Matic com motor M 103.943	09/1986	08/1992	BOSCH	80.110.02	010
	E 2.6L com motor M 103.940	09/1985	10/1992	BOSCH	80.110.02	010
	SE 2.6L com motor M 103.941	09/1985	06/1991	BOSCH	80.110.02	010
	TE 2.6L com motor M 103.940	09/1985	08/1992	BOSCH	80.110.02	010
280	E 2.8L com motor M 104.942	09/1989	06/1993	BOSCH	80.110.02	010
	TE 2.8L com motor M 104.942	09/1992	06/1993	BOSCH	80.110.02	010
300	CE 3.0L Coupe com motor M 103.983	03/1987	06/1993	BOSCH	80.110.02	010
	CE 3.2L Cabrio com motor M 104.992	04/1992	04/1993	BOSCH	80.110.02	010
	CE 3.4L AMG Coupe com motor M 104.980	09/1989	08/1992	BOSCH	80.110.02	010
	E 2.8L com motor M 104.942	09/1992	06/1993	BOSCH	80.110.02	010
	E 3.0L 4Matic com motor M 103.985	09/1986	08/1993	BOSCH	80.110.02	010
	E 3.0L com motor M 103.980/983	01/1985	08/1993	BOSCH	80.110.02	010
	E 3.4L AMG com motor M 104.980	02/1992	06/1993	BOSCH	80.110.02	010
	E-24 30.L com motor M 104.980	09/1988	10/1992	BOSCH	80.110.02	010
	SD 3.5L Turbo com motor OM 603.971	09/1991	08/1993	BOSCH	80.110.02	010
	SE 2.8L com motor M 104.944	09/1992	05/1993	BOSCH	80.110.02	010
	SE 3.0L com motor M103.981	09/1985	06/1991	BOSCH	80.110.02	010
	SEL 3.2L com motor M 104.99	03/1991	05/1993	BOSCH	80.110.02	010
	SL 3.0L Roadster com motor M 103.982	09/1985	09/1989	BOSCH	80.110.02	010
	SL 3.0L com motor M 103.984	03/1989	06/1993	BOSCH	80.110.02	010
	SL-24 3.0L com motor M 104.981	03/1989	06/1993	BOSCH	80.110.02	010
	TE 3.0L 4Matic com motor M103.985	09/1989	06/1993	BOSCH	80.110.02	010
	TE 3.0L com motor M 103.983	01/1986	08/1992	BOSCH	80.110.02	010
	TE 3.4L AMG com motor M104.980	09/1989	08/1992	BOSCH	80.110.02	010
308	2.2 CDI Sprinter com motor OM 611.987 DE	04/2000	05/2006	BOSCH	80.110.02	010



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
309	2.1 CDI Sprinter com motor OM 646.984 DE	04/2006	03/2009	BOSCH	80.110.02	010
310	2.9L D Sprinter James com motor OM 602.980 DE	01/1997	03/2000	BOSCH	80.110.02	010
	2.9L D Sprinter com motor OM 602.980 DE	01/1997	03/2000	BOSCH	80.110.02	010
310 D Sprinter	2.5 Turbo Diesel com motor OM 014 A	09/1996	05/2001	BOSCH	80.130.01	013
311	2.1 CDI Sprinter com motor OM 611.981 DE	08/2002	05/2006	BOSCH	80.110.02	010
	2.2 CDI Sprinter com motor OM 611 LA	06/2001	12/2004	BOSCH	80.110.02	010
312	2.9L D Sprinter James com motor OM 602.980 DE	02/1995	03/2000	BOSCH	80.110.02	010
	2.9L D Sprinter com motor OM 602.980 DE	02/1995	03/2000	BOSCH	80.110.02	010
312 D Sprinter	2.5 Turbo Diesel com motor OM 014 LA	08/1999	05/2001	BOSCH	80.130.01	013
313	2.2 CDI Sprinter com motor OM 611 LA	06/2001	05/2012	BOSCH	80.110.02	010
	2.2 CDI Sprinter com motor OM 611.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
316	2.7 CDI Sprinter com motor OM 612.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
320	CE 3.2 Coupe com motor M 104.992	09/1992	06/1993	BOSCH	80.110.02	010
	E 3.2L com motor M 104.992	09/1992	06/1993	BOSCH	80.110.02	010
	TE 3.2L com motor M 104.992	09/1992	06/1993	BOSCH	80.110.02	010
345	O com motor OM 906.960	10/2001	-	BOSCH	80.130.04	013
408	2.2 CDI Sprinter com motor OM 611.987 DE	04/2000	05/2006	BOSCH	80.110.02	010
410	2.9L D Sprinter com motor OM 602.980 DE	01/1997	03/2000	BOSCH	80.110.02	010
411	2.2 CDI Sprinter com motor OM 611.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
412 D Sprinter	2.5 Turbo Diesel com motor OM 014 LA	10/1999	05/2001	BOSCH	80.130.01	013
413	2.2 CDI Sprinter com motor OM 611 LA	06/2001	05/2012	BOSCH	80.110.02	010
	2.2 CDI Sprinter com motor OM 611.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
416	2.7L CDI Sprinter com motor OM 612.981 DE	04/2000	05/2006	BOSCH	80.110.02	010
500	M com motor OM 906LA	05/2001	12/2005	BOSCH	80.130.04	013
	R com motor OM 926LA	05/2001	12/2005	BOSCH	80.130.04	013
	U com motor OM 906LA	05/2001	04/2006	BOSCH	80.130.04	013
509	2.1 CDI Sprinter com motor OM 646.984 DE	04/2006	03/2009	BOSCH	80.110.02	010
530	G Blue Tec Hybrid com motor OM 924.927	07/2009	-	BOSCH	80.130.04	013
616	2.7L CDI Sprinter com motor OM 612.981 DE	02/2001	05/2006	BOSCH	80.110.02	010
709	com motor OM 364	03/1988	-	BOSCH	80.132.01	016
	with OM 364 engine	03/1988	-	BOSCH	80.132.01	016
		03/1988	-	BOSCH	80.102.02	003
710	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
		09/1995	-	BOSCH	80.102.02	003
711	com motor OM904.905	03/1996	12/1999	BOSCH	80.130.04	013
712	com motor OM 364 A	04/1992	-	BOSCH	80.132.01	016
	with OM 364 A engine	04/1992	-	BOSCH	80.132.01	016
		04/1992	-	BOSCH	80.102.02	003
712C	com motor OM 904LA	10/1998	12/2005	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.291.02	024
		-	-	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
714C	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
715	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
811	com motor OM 904.905	03/1996	12/1999	BOSCH	80.130.04	013
814	F com motor OM 904.906	03/1996	12/1999	BOSCH	80.130.04	013
	L com motor OM 904.906	03/1996	12/1999	BOSCH	80.130.04	013
	LO com motor OM 904.906	03/1996	12/1999	BOSCH	80.130.04	013
	com motor OM 904.906	03/1996	12/1999	BOSCH	80.130.04	013



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
817	F com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	L com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	LO com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
912	com motor OM 364 A	03/1988	-	BOSCH	80.132.01	016
	with OM 364 A engine	03/1988	-	BOSCH	80.132.01	016
914	com motor OM 364 LA	12/1994	-	BOSCH	80.132.01	016
	with OM 364 LA engine	12/1994	-	BOSCH	80.132.01	016
		12/1994	-	BOSCH	80.102.02	003
915	E com motor OM 904LA(Euro III)	01/2004	-	BOSCH	80.130.04	013
	LO com motor OM 904LA(Euro III)	01/2004	12/2011	BOSCH	80.130.04	013
		-	-	BOSCH	80.130.04	013
915C	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
917	KO com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
9t Series		-	-	BOSCH	80.102.03	003
Accelo	1016 com motor Eletrônico OM 324 LA 24V	01/2012	-	DELCO REMY	80.280.04	020
	715C 2.7L com motor OM 612.983	03/2003	12/2005	BOSCH	80.110.02	010
	815 com motor Eletrônico OM 324 LA 24V	01/2012	-	DELCO REMY	80.280.04	020
	915 com motor OM 904.943	03/2003	12/2005	BOSCH	80.130.04	013
Accelo 715 C	4x2 Motor OM 612 LA 2.7 4 cil.	03/2003	12/2005	BOSCH	80.110.02	010
Actros 1831	com motor OM 541.920	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.926	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.940	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.941	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 1832	com o motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 541.942	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 541.970	04/2003	-	mitsubishi	80.840.01	039
Actros 1835	com motor OM 541.922	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.927	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.942	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.943	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 1836	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.971	04/2003	-	mitsubishi	80.840.01	039
Actros 1840	com motor OM 541.923	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.924	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.944	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.945	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 1841	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
Actros 1843	com motor OM 541.921	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.925	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.946	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.947	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 1844	com motor OM 541.921	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
Actros 1846	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.981	04/2003	-	mitsubishi	80.840.01	039



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /fron	até /until	M.Part./Starter	ZM	Pag.
Actros 1848	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.978	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.921	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.925	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
Actros 1850	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.962	04/2003	-	mitsubishi	80.840.01	039
Actros 1851	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.941	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
Actros 1853	com motor OM 542.920	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.942	04/1996	10/2002	mitsubishi	80.840.01	039
Actros 1854	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.944	04/2003	-	mitsubishi	80.840.01	039
Actros 1857	com motor OM 542.922	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.944	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 1858	com motor OM 542.944	10/2002	-	mitsubishi	80.840.01	039
Actros 1860	com motor OM 542.964	05/2005	-	mitsubishi	80.840.01	039
Actros 2031	com motor OM 541.920	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.926	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.940	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.941	04/1996	10/2002	mitsubishi	80.840.01	039
Actros 2032	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.926	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.941	04/2003	-	mitsubishi	80.840.01	039
Actros 2035	com motor OM 541.922	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.927	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.942	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.943	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 2036	com motor OM 541.922	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.927	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.943	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.972	04/2003	-	mitsubishi	80.840.01	039
Actros 2040	com motor OM 541.923	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.924	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.944	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.945	04/1996	10/2002	mitsubishi	80.840.01	039
Actros 2041	com motor OM 541.923	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.924	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	039
Actros 2043	com motor OM 541.921	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.925	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.947	04/1996	10/2002	mitsubishi	80.840.01	039
Actros 2044	com motor OM 541.921	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.925	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.947	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
Actros 2046	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	039
Actros 2048	com motor OM 541.948	04/1996	04/2003	mitsubishi	80.840.01	039
	com motor OM 542.925	04/1996	10/2002	mitsubishi	80.840.01	039
Actros 2050	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Actros 2050	com motor OM 542.941	04/2003	-	mitsubishi	80.840.01	039
Actros 2051	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
Actros 2053	com motor OM 542.920	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.942	04/1996	10/2002	mitsubishi	80.840.01	039
Actros 2531	com motor OM 541.920	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.940	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2532	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
Actros 2535	com motor OM 541.922	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.942	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.948	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 2536	com motor OM 541.922	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.943	04/2003	-	mitsubishi	80.840.01	039
Actros 2540	com motor OM 541.923	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.944	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2541	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	039
Actros 2543	com motor OM 541.925	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.946	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2544	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
Actros 2546	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	039
Actros 2548	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.978	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.921	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.940	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2551	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
Actros 2553	com motor OM 542.920	09/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.942	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2555	com motor OM 542.962	09/2005	-	mitsubishi	80.840.01	039
Actros 2557	com motor OM 542.922	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2631	com motor OM 541.920	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.940	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 2632	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.970	04/2003	-	mitsubishi	80.840.01	039
Actros 2635	com motor OM 541.922	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.942	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 2636	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.972	04/2003	-	mitsubishi	80.840.01	039
Actros 2640	com motor OM 541.923	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.944	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2641	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	039
Actros 2643	com motor OM 541.925	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 2644	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
Actros 2646	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	039
Actros 2648	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.978	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.921	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.940	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2650	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Actros 2650	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
Actros 2651	com motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
Actros 2653	com motor OM 542.920	04/1996	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.942	09/1996	10/2002	mitsubishi	80.840.01	039
Actros 2654	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.962	04/2003	-	mitsubishi	80.840.01	039
Actros 2655	com motor OM 542.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 542.962	04/2003	-	mitsubishi	80.840.01	039
Actros 2657	com motor OM 542.922	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 542.944	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 2658	com motor OM 542.944	04/2003	-	mitsubishi	80.840.01	039
Actros 3231	com motor OM 541.920	04/1997	04/2003	mitsubishi	80.840.01	039
	com motor OM 541.940	04/1997	04/2003	mitsubishi	80.840.01	039
Actros 3232	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
Actros 3235	com motor OM 541.922	04/1997	10/2002	mitsubishi	80.840.01	039
	com motor OM 541.942	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3240	com o motor OM 541.923	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.944	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3241	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
Actros 3243	com o motor OM 541.925	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3246	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
Actros 3331	com o motor OM 541.920	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 541.926	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 541.940	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 541.941	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 541.970	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 541.971	04/2003	-	mitsubishi	80.840.01	039
Actros 3332	com motor OM 541.920	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.926	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.940	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.941	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.970	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.971	04/2003	-	mitsubishi	80.840.01	039
Actros 3335	com o motor OM 541.922	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.942	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3336	com motor OM 541.927	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.942	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.943	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.972	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.973	04/2003	-	mitsubishi	80.840.01	039
Actros 3340	com o motor OM 541.923	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.924	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.944	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.945	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3341	com motor OM 541.923	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.944	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.945	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.974	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.975	04/2003	-	mitsubishi	80.840.01	039
Actros 3343	com o motor OM 541.921	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.925	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.947	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3344	com motor OM 541.921	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Actros 3344	com motor OM 541.947	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.977	04/2003	-	mitsubishi	80.840.01	039
Actros 3346	com motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.949	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.980	04/2003	-	mitsubishi	80.840.01	039
	com motor OM 541.981	04/2003	-	mitsubishi	80.840.01	039
Actros 3348	com o motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 541.978	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.921	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 542.925	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 542.940	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3350	com o motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
Actros 3351	com o motor OM 542.940	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.941	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.960	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.961	04/2003	-	mitsubishi	80.840.01	039
Actros 3353	com o motor OM 542.920	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 542.926	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 542.942	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 3354	com o motor OM 542.942	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.962	04/2003	-	mitsubishi	80.840.01	039
Actros 3355	com o motor OM 542.942	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 542.962	04/2003	-	mitsubishi	80.840.01	039
Actros 3357	com o motor OM 542.922	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 542.944	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 4140	com o motor OM 541.923	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 541.924	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.944	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 541.945	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 4141	com o motor OM 541.974	04/2003	-	mitsubishi	80.840.01	039
Actros 4143	com o motor OM 541.921	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.925	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.946	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 541.947	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 4144	com o motor OM 541.925	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 541.946	04/2003	-	mitsubishi	80.840.01	039
	com o motor OM 541.976	04/2003	-	mitsubishi	80.840.01	039
Actros 4146	com o motor OM 541.948	04/2003	-	mitsubishi	80.840.01	039
Actros 4148	com o motor OM 541.948	04/1997	04/2003	mitsubishi	80.840.01	039
	com o motor OM 542.921	04/1997	10/2002	mitsubishi	80.840.01	039
	com o motor OM 542.925	04/1997	10/2002	mitsubishi	80.840.01	039
Actros 4151	com o motor OM 542.960	05/2005	-	mitsubishi	80.840.01	039
Atego	1014 com motor OM 904.910	01/1998	09/2004	BOSCH	80.130.04	013
	1015 com motor OM 904.950	09/2000	09/2004	BOSCH	80.130.04	013
	1017 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	1017 com motor OM 904.917	01/1998	09/2004	BOSCH	80.130.04	013
	1017 com motor OM 904.951	09/2000	-	BOSCH	80.130.04	013
	1018 com motor OM 900.913	02/2006	-	BOSCH	80.130.04	013
	1018 com motor OM 904.951	09/2000	09/2004	BOSCH	80.130.04	013
	1022 com motor OM 924.920	09/2004	-	BOSCH	80.130.04	013
	1022 com motor OM 924.922	06/2006	-	BOSCH	80.130.04	013
	1023 com motor OM 906.910	01/1998	09/2004	BOSCH	80.130.04	013
	1023 com motor OM 906.915	09/2004	-	BOSCH	80.130.04	013
	1023 com motor OM 906.925	09/2000	09/2004	BOSCH	80.130.04	013
	1024 com motor OM 902.916	02/2006	-	BOSCH	80.130.04	013
	1117 com motor OM 357.901	03/1994	12/1999	BOSCH	80.130.04	013



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Atego	1117 com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	1215 com motor OM 904	05/1999	12/2005	BOSCH	80.130.04	013
	1215 com motor OM 904.922	01/1998	09/2004	BOSCH	80.130.04	013
	1215 com motor OM 904.950	09/2000	09/2004	BOSCH	80.130.04	013
	1217 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	1217 com motor OM 904.917	01/1998	09/2004	BOSCH	80.130.04	013
	1218 com motor OM 900.913	02/2006	-	BOSCH	80.130.04	013
	1218 com motor OM 904.951	09/2000	09/2004	BOSCH	80.130.04	013
	1222 com motor OM 924.920	09/2004	-	BOSCH	80.130.04	013
	1222 com motor OM 924.922	06/2006	-	BOSCH	80.130.04	013
	1223 com motor OM 906.910	01/1998	09/2004	BOSCH	80.130.04	013
	1223 com motor OM 906.915	09/2004	-	BOSCH	80.130.04	013
	1223 com motor OM 906.925	09/2000	09/2004	BOSCH	80.130.04	013
	1224 com motor OM 902.916	02/2006	-	BOSCH	80.130.04	013
	1225 com motor OM 906	01/1998	09/2004	BOSCH	80.130.04	013
	1226 com motor OM 902.917	02/2006	-	BOSCH	80.130.04	013
	1228 com motor OM 906.911	01/1998	09/2004	BOSCH	80.130.04	013
	1228 com motor OM 906.916	09/2004	-	BOSCH	80.130.04	013
	1228 com motor OM 906.926	09/2000	10/2004	BOSCH	80.130.04	013
	1229 com motor OM 902.918	02/2006	-	BOSCH	80.130.04	013
	1315 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.280.04	020
		-	-	DELCO REMY	80.291.02	024
	1315 com motor OM 904(Euro III)	09/2004	-	BOSCH	80.130.04	013
	1315 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1315 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1315 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1317 com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	1317 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	1317 com motor OM 904.917	01/1998	09/2004	BOSCH	80.130.04	013
	1318 com motor OM 900.913	02/2006	-	BOSCH	80.130.04	013
	1318 com motor OM 904	01/2003	12/2004	BOSCH	80.130.04	013
	1318 com motor OM 904.951	09/2000	09/2004	BOSCH	80.130.04	013
	1322 com motor OM 924.920	09/2004	-	BOSCH	80.130.04	013
	1322 com motor OM 924.922	06/2006	-	BOSCH	80.130.04	013
	1323 com motor OM 906.910	01/1998	09/2004	BOSCH	80.130.04	013
	1323 com motor OM 906.915	09/2004	-	BOSCH	80.130.04	013
	1324 com motor OM 902.916	02/2006	-	BOSCH	80.130.04	013
	1325 com motor OM 906	09/2004	-	BOSCH	80.130.04	013
	1326 com motor OM 902.917	02/2006	-	BOSCH	80.130.04	013
	1328 com motor OM 906.911	01/1998	09/2004	BOSCH	80.130.04	013
	1328 com motor OM 906.916	09/2004	-	BOSCH	80.130.04	013
	1328 com motor OM 906.926	09/2000	09/2004	BOSCH	80.130.04	013
	1329 com motor OM 902.918	02/2006	-	BOSCH	80.130.04	013
	1418 com motor OM 904 (Euro III)	09/2004	-	BOSCH	80.130.04	013
	1418 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1418 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1418 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1418 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1517 com motor OM 904.907	03/1996	12/1999	BOSCH	80.130.04	013
	1517 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	1517 com motor OM 904.917	01/1998	09/2004	BOSCH	80.130.04	013
	1518 com motor OM 900.913	02/2006	-	BOSCH	80.130.04	013
	1518 com motor OM 904 (Euro III)	09/2004	-	BOSCH	80.130.04	013
	1518 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1518 com motor OM 904.951	09/2000	09/2004	BOSCH	80.130.04	013
	1518 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1518 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1518 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	1522 com motor OM 924.920	09/2004	-	BOSCH	80.130.04	013



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ	de /from	até /until	M.Part./Starter	ZM	Pag.
Atego	1522 com motor OM 924.922	09/2006	-	BOSCH	80.130.04 013
	1523 com motor OM 906.910	01/1998	09/2004	BOSCH	80.130.04 013
	1523 com motor OM 906.915	09/2004	-	BOSCH	80.130.04 013
	1523 com motor OM 906.925	09/2000	10/2004	BOSCH	80.130.04 013
	1524 com motor OM 906.916	02/2006	-	BOSCH	80.130.04 013
	1525 com motor OM 906	01/1998	09/2004	BOSCH	80.130.04 013
	1526 com motor OM 902.917	02/2006	-	BOSCH	80.130.04 013
	1528 com motor OM 906.911	01/1998	09/2004	BOSCH	80.130.04 013
	1528 com motor OM 906.916	09/2004	-	BOSCH	80.130.04 013
	1528 com motor OM 906.926	09/2000	09/2004	BOSCH	80.130.04 013
	1529 com motor OM 902.918	02/2006	-	BOSCH	80.130.04 013
	1718 com motor OM 904 (Euro III)	09/2004	-	BOSCH	80.130.04 013
	1718 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1718 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1718 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1718 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1725 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1725 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1725 com motor OM 906LA(Euro III)	09/2004	-	BOSCH	80.130.04 013
	1725 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1725 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	1823 com motor OM 906.920	05/1998	09/2004	BOSCH	80.130.04 013
	1823 com motor OM 906.922	05/1998	09/2004	BOSCH	80.130.04 013
	1823 com motor OM 906.925	09/2000	09/2004	BOSCH	80.130.04 013
	1828 com motor OM 906.921	05/1998	09/2004	BOSCH	80.130.04 013
	1828 com motor OM 906.923	05/1998	09/2004	BOSCH	80.130.04 013
	1828 com motor OM 906.926	09/2000	09/2004	BOSCH	80.130.04 013
	1833 com motor OM 926.913	09/2000	09/2004	BOSCH	80.130.04 013
	1924 com motor OM 902.916	10/2004	-	BOSCH	80.130.04 013
	1926 com motor OM 902.917	10/2004	-	BOSCH	80.130.04 013
	1929 com motor OM 902.918	10/2004	-	BOSCH	80.130.04 013
	2224 com motor OM 902.916	10/2004	-	BOSCH	80.130.04 013
	2226 com motor OM 902.917	10/2004	-	BOSCH	80.130.04 013
	2229 com motor OM 902.918	10/2004	-	BOSCH	80.130.04 013
	2425 com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	2425 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	2425 com motor OM 906LA(Euro III)	09/2004	-	BOSCH	80.130.04 013
	2425 com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	2425 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02 024
	2523 com motor OM 906.920	05/1998	09/2004	BOSCH	80.130.04 013
	2528 com motor OM 906.921	01/2002	08/2006	BOSCH	80.130.04 013
	2528 com motor OM 906.926	09/2000	09/2004	BOSCH	80.130.04 013
	2533 com motor OM 926.913	09/2000	09/2004	BOSCH	80.130.04 013
	2628 com motor OM 906.921	05/1998	09/2004	BOSCH	80.130.04 013
	2628 com motor OM 906.926	09/2000	09/2004	BOSCH	80.130.04 013
	2633 com motor OM 926.913	09/2000	09/2004	BOSCH	80.130.04 013
	712 com motor OM 904.909	01/1998	09/2004	BOSCH	80.130.04 013
	712 com motor OM 904.915	09/2000	09/2004	BOSCH	80.130.04 013
	713 com motot OM 900.911	02/2006	-	BOSCH	80.130.04 013
	714 com motot OM 904.910	01/1998	09/2004	BOSCH	80.130.04 013
	714 com motot OM 904.916	09/2000	09/2004	BOSCH	80.130.04 013
	715 com motot OM 904.922	01/1998	09/2004	BOSCH	80.130.04 013
	715 com motot OM 904.950	09/2000	09/2004	BOSCH	80.130.04 013
	716 com motot OM 900	02/2006	-	BOSCH	80.130.04 013
	717 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04 013
	717 com motot OM 904.911	01/1998	09/2004	BOSCH	80.130.04 013
	717 com motot OM 904.917	09/2000	09/2004	BOSCH	80.130.04 013
	812 com motor OM 904.909	01/1998	10/2004	BOSCH	80.130.04 013
	813 com motor OM 900.911	02/2006	-	BOSCH	80.130.04 013



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Atego	814 com motor OM 904.910	01/1998	09/2004	BOSCH	80.130.04	013
	814 com motor OM 904.916	09/2000	09/2004	BOSCH	80.130.04	013
	815 com motor OM 904.922	01/1998	09/2004	BOSCH	80.130.04	013
	815 com motor OM 904.950	09/2000	09/2004	BOSCH	80.130.04	013
	816 com motor OM 900	02/2006	-	BOSCH	80.130.04	013
	817 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	817 com motor OM 904.917	01/1998	09/2004	BOSCH	80.130.04	013
	817 com motor OM 904.922	01/1998	09/2004	BOSCH	80.130.04	013
	818 com motor OM 900.913	02/2006	-	BOSCH	80.130.04	013
	818 com motor OM 904.917	09/2004	-	BOSCH	80.130.04	013
	818 com motor OM 904.951	09/2000	09/2004	BOSCH	80.130.04	013
	822 com motor OM 924.920	09/2004	-	BOSCH	80.130.04	013
	822 com motor OM 924.922	06/2006	-	BOSCH	80.130.04	013
	823 com motor OM 906.910	01/1998	09/2004	BOSCH	80.130.04	013
	823 com motor OM 906.915	09/2004	-	BOSCH	80.130.04	013
	823 com motor OM 906.925	09/2000	09/2004	BOSCH	80.130.04	013
	824 com motor OM 906.916	02/2006	-	BOSCH	80.130.04	013
	914 com motor OM 904LA	10/1998	01/2006	BOSCH	80.130.04	013
	915 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	915 com motor OM 904.950	09/2000	09/2004	BOSCH	80.130.04	013
	916 com motor OM 900	02/2006	-	BOSCH	80.130.04	013
	917 com motor OM 904	01/1998	09/2004	BOSCH	80.130.04	013
	917 com motor OM 904.911	01/1998	09/2004	BOSCH	80.130.04	013
	918 com motor OM 900.913	02/2006	-	BOSCH	80.130.04	013
	918 com motor OM 904.951	09/2000	09/2004	BOSCH	80.130.04	013
	922 com motor OM 924.920	09/2004	-	BOSCH	80.130.04	013
	922 com motor OM 924.922	06/2006	-	BOSCH	80.130.04	013
	923 com motor OM 906.910	01/1998	09/2004	BOSCH	80.130.04	013
	923 com motor OM 906.915	09/2004	-	BOSCH	80.130.04	013
	923 com motor OM 906.925	09/2000	09/2004	BOSCH	80.130.04	013
	924 com motor OM 902.916	02/2006	-	BOSCH	80.130.04	013
	925 com motor OM 906	01/1998	09/2004	BOSCH	80.130.04	013
	926 com motor OM 902.917	02/2006	-	BOSCH	80.130.04	013
		01/1998	10/2004	DELCO REMY	80.280.04	020
Atego 2		10/2004	-	DELCO REMY	80.280.04	020
Axor	1823 com motor OM 906	01/2002	08/2006	BOSCH	80.130.04	013
	1824 com motor OM 902	09/2006	-	BOSCH	80.130.04	013
	1826 com motor OM 902	09/2006	-	BOSCH	80.130.04	013
	1828 com motor OM 906	01/2002	08/2006	BOSCH	80.130.04	013
	1829 com motor OM 902.915	09/2006	-	BOSCH	80.130.04	013
	1833 com motor OM 926.919	09/2004	-	BOSCH	80.130.04	013
	1835 com o motor OM 457.937	01/2002	10/2004	MITSUBISHI	80.840.01	039
	1840 com o motor OM 457.937	01/2002	10/2004	MITSUBISHI	80.840.01	039
	1843 com o motor OM 457.937	01/2002	10/2004	MITSUBISHI	80.840.01	039
	1933 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.280.04	020
		-	-	DELCO REMY	80.291.02	024
	1933 com motor OM 926LA(Euro III)	01/2005	-	BOSCH	80.130.04	013
	2523 com motor OM 906.920	01/2002	08/2006	BOSCH	80.130.04	013
	2529 com motor OM 902.915	09/2006	-	BOSCH	80.130.04	013
	2533 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.280.04	020
	2533 com motor OM 926.913	09/2004	08/2006	BOSCH	80.130.04	013
	2533 com motor OM 926.919	09/2006	-	BOSCH	80.130.04	013
	2533 com motor OM 926LA(EuroIII)	01/2005	-	BOSCH	80.130.04	013
	2540 com o motor OM 457.937	01/2004	-	MITSUBISHI	80.840.01	039
	2628 com motor OM 906.921	01/2002	08/2006	BOSCH	80.130.04	013
	2629 com motor OM 902.915	09/2006	-	BOSCH	80.130.04	013
	2633 com motor OM926.913	09/2004	08/2006	BOSCH	80.130.04	013
	2633 com motor OM926.919	09/2006	-	BOSCH	80.130.04	013
	2636 com o motor OM 457.937	10/2004	-	MITSUBISHI	80.840.01	039



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Axor	2636 com o motor OM 457.948	10/2004	-	mitsubishi	80.840.01	039
	2640 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	2640 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
	2643 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	2643 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
	2826 com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.280.04	020
	2831 com motor Eletrônico OM 926LA Euro V	01/2012	-	DELCO REMY	80.280.04	020
	2831 com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.280.04	020
	3028 com motor OM926.921	03/2003	-	BOSCH	80.130.04	013
	3236 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	3236 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
	3240 com o motor OM 457.937	03/2005	-	mitsubishi	80.840.01	039
	3240 com o motor OM 457.948	03/2005	-	mitsubishi	80.840.01	039
	3240 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	3240 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
	3243 com o motor OM 457.937	03/2005	-	mitsubishi	80.840.01	039
	3243 com o motor OM 457.948	03/2005	-	mitsubishi	80.840.01	039
	3243 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	3243 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
	3340 com o motor OM 457.910	10/2004	-	mitsubishi	80.840.01	039
	3340 com o motor OM 457.917	10/2004	-	mitsubishi	80.840.01	039
	3340 com o motor OM 457.918	10/2004	-	mitsubishi	80.840.01	039
	3340 com o motor OM 457.937	10/2004	-	mitsubishi	80.840.01	039
	3340 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	3340 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
	3343 com o motor OM 457.956	10/2004	-	mitsubishi	80.840.01	039
	3343 com o motor OM 457.957	10/2004	-	mitsubishi	80.840.01	039
C	200 2.0 Diesel com motor OM 601.913	03/1993	08/1995	BOSCH	80.110.02	010
	200 2.0 Diesel com motor OM 601.915	09/1996	06/1999	BOSCH	80.110.02	010
	200 2.2L CDI com motor OM 611.960	03/1998	04/2000	BOSCH	80.110.02	010
	200 2.2L CDI com motor OM 611.962	10/2000	02/2003	BOSCH	80.110.02	010
	200 2.2L CDI com motor OM 646.962	03/2003	07/2007	BOSCH	80.110.02	010
	220 2.2 CDI Sport Coupe com motor OM 646.963	01/2001	02/2003	BOSCH	80.110.02	010
	220 2.2 CDI com motor OM 646.963	03/2003	02/2007	BOSCH	80.110.02	010
	220 2.2L CDI com motor OM 611.960	12/1997	04/2000	BOSCH	80.110.02	010
	220 2.2L Diesel com motor OM 604.910	08/1993	06/1999	BOSCH	80.110.02	010
	250 2.5L Diesel com motor OM 605.910	05/1993	08/1995	BOSCH	80.110.02	010
	250 2.5L Turbo Diesel com motor OM 605.960	09/1995	04/2000	BOSCH	80.110.02	010
	280 2.8L com motor M 104.941	05/1993	05/1997	BOSCH	80.110.02	010
	30 3.0L CDI AMG com motor OM 612.990	01/2003	08/2004	BOSCH	80.110.02	010
	36 3.6L AMG com motor M 104.941	01/1994	05/1997	BOSCH	80.110.02	010
C 914		-	-	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
C-Class	C 220 CDI (203.006) with OM 611.962 engine	05/2000	02/2003	BOSCH	80.110.02	010
	C 250 D with OM 605.910 engine	05/1993	08/1995	BOSCH	80.110.02	010
C220	2.2 CDI com motor OM 611.962	05/2000	02/2003	BOSCH	80.110.02	010
CLK-Class	CLK 220 2.1L CDI Coupe com motor OM 646.966	04/2005	04/2009	BOSCH	80.110.02	010
	CLK 270 CDI (209.316) with OM 612.962 e 612.967	09/2002	03/2005	BOSCH	80.110.02	010
Citro	530 GN3 com motor OM 906.930	01/1999	09/2004	BOSCH	80.130.04	013
	530 GN3 com motor OM 906.960	04/1999	09/2006	BOSCH	80.130.04	013
	530 GN3 com motor OM 906.961	04/2000	09/2006	BOSCH	80.130.04	013
	530 GN3 com motor OM 909.901	01/1999	09/2004	BOSCH	80.130.04	013
	530 GN3 com motor OM 909.921	01/1999	09/2004	BOSCH	80.130.04	013
	530 com motor OM 902	10/2006	-	BOSCH	80.130.04	013
	530 com motor OM 902.925	10/2006	-	BOSCH	80.130.04	013
	530 com motor OM 906.931	01/1998	09/2004	BOSCH	80.130.04	013
	530 com motor OM 906.962	04/2000	09/2006	BOSCH	80.130.04	013
	530 com motor OM 906.963	04/1999	09/2006	BOSCH	80.130.04	013
	530 com motor OM 909.921	01/1999	09/2004	BOSCH	80.130.04	013



MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Citro	530 com motor OM 926	10/2006	-	BOSCH	80.130.04	013
	6.4L com motor OM 902	11/2011	-	BOSCH	80.130.04	013
	7.2L com motor OM 926	11/2011	-	BOSCH	80.130.04	013
		01/1998	-	DELCO REMY	80.280.04	020
Cito	520 com motor OM 904LA	01/1999	09/2003	BOSCH	80.130.04	013
		06/1999	-	DELCO REMY	80.280.04	020
Conecto	6.4L com motor OM 902.925	09/2007	-	BOSCH	80.130.04	013
	7.2L com motor OM 926	09/2007	-	BOSCH	80.130.04	013
	O 345 com motor OM 906.960	05/2001	08/2007	BOSCH	80.130.04	013
		11/2001	-	DELCO REMY	80.280.04	020
E	200 2.0L Diesel com motor OM 604.917	03/1997	05/1999	BOSCH	80.110.02	010
	200 2.1L CDI com motor OM 611.961	07/1999	03/2002	BOSCH	80.110.02	010
	200 2.1L CDI com motor OM 646.951	07/2002	09/2008	BOSCH	80.110.02	010
	220 2.1L CDI T-Modell com motor OM 646.961	02/2003	08/2009	BOSCH	80.110.02	010
	220 2.1L CDI com motor OM 611.961	07/1999	03/2002	BOSCH	80.110.02	010
	220 2.2L Diesel com motor OM 604.912	06/1995	05/1999	BOSCH	80.110.02	010
	250 2.5L Diesel com motor OM 605.911	07/1993	06/1995	BOSCH	80.110.02	010
	250 2.5L Turbo Diesel com motor OM 605.962	09/1997	08/1999	BOSCH	80.110.02	010
	270 2.7L CDI com motor OM 612.961	06/1999	03/2002	BOSCH	80.110.02	010
	270 2.7L CDI com motor OM 647.961	03/2002	03/2005	BOSCH	80.110.02	010
	280 2.8L com motor M 104.942	07/1993	06/1995	BOSCH	80.110.02	010
	280 2.8L com motor M 104.945	01/1996	02/1997	BOSCH	80.110.02	010
	280 3.2L CDI com motor OM 648.961	04/2004	03/2005	BOSCH	80.110.02	010
	290 2.9L Turbo Diesel com motor OM 602.982	05/1996	05/1999	BOSCH	80.110.02	010
	300 3.0 Turbo Diesel com motor OM 606.962	03/1997	05/1999	BOSCH	80.110.02	010
	300 3.0L 4Matic com motor M 103.985	07/1993	06/1995	BOSCH	80.110.02	010
	300 3.0L Diesel com motor OM 606.910	07/1993	06/1995	BOSCH	80.110.02	010
	300 3.0L Diesel com motor OM 606.912	06/1995	08/1997	BOSCH	80.110.02	010
	320 3.2L CDI com motor OM 613.961	06/1999	03/2002	BOSCH	80.110.02	010
	320 3.2L CDI com motor OM 648.961	11/2002	08/2006	BOSCH	80.110.02	010
	320 3.2L com motor M 104.992	07/1993	06/1995	BOSCH	80.110.02	010
	320 3.2L com motor M 104.995	06/1995	02/1997	BOSCH	80.110.02	010
	36 3.6L AMG Cabrio com motor M 104.992	07/1993	02/1994	BOSCH	80.110.02	010
E 712	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
E-Class	E 270 OM 647.962	03/2002	03/2005	BOSCH	80.110.02	010
	E 270 CDI (210.016) with OM 612.961	06/1999	03/2002	BOSCH	80.110.02	010
E220	2.1 CDI com motor OM 646.961	03/2002	01/2009	BOSCH	80.110.02	010
E250	2.5 Diesel com motor OM 605.911	07/1993	05/1996	BOSCH	80.110.02	010
Econic	1823 com motor OM 906.951	03/2000	09/2006	BOSCH	80.130.04	013
	1823 com motor OM906	03/1998	03/2001	BOSCH	80.130.04	013
	1824 com motor OM 902.933	09/2006	-	BOSCH	80.130.04	013
	1828 com motor OM 902	09/2006	-	BOSCH	80.130.04	013
	1828 com motor OM 906.900	03/2000	08/2006	BOSCH	80.130.04	013
	1828 com motor OM 906.941	03/1998	03/2001	BOSCH	80.130.04	013
	1828 com motor OM 906.950	07/1998	09/2006	BOSCH	80.130.04	013
	1828 com motor OM 906.952	03/2000	09/2006	BOSCH	80.130.04	013
	1829 com motor OM 902.927	09/2006	-	BOSCH	80.130.04	013
	1833 com motor OM 926.924	03/2000	09/2006	BOSCH	80.130.04	013
	1833 com motor OM 926.934	09/2006	-	BOSCH	80.130.04	013
	2628 com motor OM 902	09/2006	-	BOSCH	80.130.04	013
	2628 com motor OM 906.900	03/2000	08/2006	BOSCH	80.130.04	013
	2628 com motor OM 906.941	03/1998	03/2001	BOSCH	80.130.04	013
	2628 com motor OM 906.952	03/2000	09/2006	BOSCH	80.130.04	013
	2629 com motor OM 902.927	09/2006	-	BOSCH	80.130.04	013
	2633 com motor OM926.924	03/2000	09/2006	BOSCH	80.130.04	013
	2633 com motor OM926.934	09/2006	-	BOSCH	80.130.04	013
	3233 com motor OM926.934	09/2006	-	BOSCH	80.130.04	013
		03/1998	-	DELCO REMY	80.280.04	020



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
G	270 2.7L CDI com motor OM 612.965	10/2001	08/2006	BOSCH	80.110.02	010
	300 3.0L DT com motor OM 606.964	09/1996	11/2000	BOSCH	80.110.02	010
	320 3.2L com motor M 104.996	08/1993	11/1997	BOSCH	80.110.02	010
Integro	550 com o motor OM 457.952	01/2006	-	mitsubishi	80.840.01	039
	550 com o motor OM 457.964	01/2006	-	mitsubishi	80.840.01	039
	7.2L com motor OM 926.939	09/2006	-	BOSCH	80.130.04	013
	L 7.2L com motor OM 926.939	09/2006	-	BOSCH	80.130.04	013
	M 7.2 L com motor OM 926.939	09/2006	-	BOSCH	80.130.04	013
Intouro	7.2L com motor OM 926	03/2007	-	BOSCH	80.130.04	013
L 1013		01/1974	10/1977	BOSCH	80.102.01	002
		11/1977	05/1979	BOSCH	80.102.02	003
L 1111	com motor OM 352	04/1975	09/1976	BOSCH	80.102.01	002
		04/1975	09/1976	BOSCH	80.132.02	016
		10/1976	12/1980	BOSCH	80.102.02	003
L 1116	com motor OM 352 A	-	-	BOSCH	80.102.05	004
		08/1978	-	BOSCH	80.132.01	016
		08/1978	-	BOSCH	80.132.05	017
	with OM 352 A engine	08/1978	-	BOSCH	80.132.01	016
		08/1978	-	BOSCH	80.102.02	003
L 1117	com motor OM 352 A	-	-	BOSCH	80.102.05	004
		08/1983	-	BOSCH	80.132.01	016
		08/1983	-	BOSCH	80.132.05	017
	com motor OM 366 A	-	-	BOSCH	80.102.05	004
		01/1987	-	BOSCH	80.132.05	017
	com motor OM 366 LA	01/1987	-	BOSCH	80.132.05	017
	with OM 352 A engine	08/1983	-	BOSCH	80.132.01	016
		11/1983	-	BOSCH	80.102.02	003
L 1217	com motor OM 366 A	-	-	BOSCH	80.103.01	005
		-	-	BOSCH	80.103.04	006
		07/1995	-	BOSCH	80.132.01	016
	with OM 366 A engine	07/1995	-	BOSCH	80.132.01	016
L 1414	com motor OM 366	04/1989	-	BOSCH	80.132.01	016
	with OM 366 engine	04/1989	-	BOSCH	80.132.01	016
L 1420	com motor OM 366 LA	06/2001	-	BOSCH	80.132.01	016
	with OM 366 LA engine	06/2001	-	BOSCH	80.132.01	016
L 1621	com motor OM 366 LA	08/1989	-	BOSCH	80.132.01	016
	with OM 366 LA engine	08/1989	-	BOSCH	80.132.01	016
L 1717	com motor OM 366 A	07/1995	-	BOSCH	80.132.01	016
	with OM 366 A engine	07/1995	-	BOSCH	80.132.01	016
L 2635	com motor OM 447 LA	09/1992	-	BOSCH	80.135.02	002
L-1113	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	016
		01/1974	-	BOSCH	80.132.02	016
		01/1974	-	BOSCH	80.132.05	017
	com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	002
		10/1976	06/1987	BOSCH	80.102.02	003
		01/1974	06/1987	BOSCH	80.132.01	016
		04/1975	09/1976	BOSCH	80.132.02	016
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	016
		09/1978	04/1987	BOSCH	80.102.02	003
	com motor OM 352	07/1987	-	BOSCH	80.102.02	003
		06/1987	-	BOSCH	80.132.01	016
	com motor OM 352 A	07/1987	-	BOSCH	80.132.01	016
	com motor OM 364 LA	10/1994	-	BOSCH	80.102.02	003
L-1114	com motor OM 352	10/1994	-	BOSCH	80.132.01	016
	with OM 352 A engine	07/1987	-	BOSCH	80.132.01	016
	with OM 352 engine	06/1987	-	BOSCH	80.132.01	016
	with OM 364 LA engine	10/1994	-	BOSCH	80.132.01	016
L-1118	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	016



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
L-1118	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	016
		06/1983	-	BOSCH	80.102.02	003
L-1214	com motor OM 366	-	-	BOSCH	80.103.01	005
		-	-	BOSCH	80.103.04	006
		04/1989	-	BOSCH	80.132.01	016
	with OM 366 engine	04/1989	-	BOSCH	80.132.01	016
L-1218	com motor OM 366 A	-	-	BOSCH	80.103.01	005
		-	-	BOSCH	80.103.04	006
		04/1989	-	BOSCH	80.132.01	016
	com motor OM 366 A Euro 1	04/1998	-	BOSCH	80.132.01	016
L-1313	with OM 366 A Euro 1 engine	04/1998	-	BOSCH	80.132.01	016
	with OM 366 A engine	04/1989	-	BOSCH	80.132.01	016
	A com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	002
		01/1974	-	BOSCH	80.132.02	016
	A with OM 352 A engine	01/1974	-	BOSCH	80.132.01	016
	com motor OM 352	01/1974	10/1977	BOSCH	80.102.01	002
		01/1974	04/1987	BOSCH	80.132.01	016
		01/1974	05/1979	BOSCH	80.132.02	016
	com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	002
		01/1974	06/1987	BOSCH	80.132.01	016
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	016
L-1314	com motor OM 352	07/1987	-	BOSCH	80.132.01	016
	with OM 352 engine	07/1987	-	BOSCH	80.132.01	016
L-1316	A com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	002
		01/1974	-	BOSCH	80.132.01	016
	A with OM 352 A engine	01/1974	-	BOSCH	80.132.01	016
	com motor OM 352 A	03/1974	-	BOSCH	80.132.01	016
		03/1974	-	BOSCH	80.132.02	016
		06/1982	-	BOSCH	80.132.05	017
L-1317	with OM 352 A engine	03/1974	-	BOSCH	80.132.01	016
	com motor OM 352 A	12/1985	-	BOSCH	80.103.02	006
		12/1985	-	BOSCH	80.103.05	006
		08/1983	-	BOSCH	80.132.01	016
		08/1983	-	BOSCH	80.132.05	017
	com motor OM 366 A	-	-	BOSCH	80.102.05	004
	with OM 352 A engine	08/1983	-	BOSCH	80.132.01	016
	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	016
L-1318	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	016
	4x2 Motor OM 366 LA	-	-	BOSCH	80.101.04	001
L-1319	4x2 Motor OM 366 LA	-	-	BOSCH	80.102.05	004
		12/1985	12/2001	BOSCH	80.132.01	016
		01/1987	12/2001	BOSCH	80.132.05	017
		12/1985	12/2001	BOSCH	80.132.01	016
	with OM 366 LA engine	12/1985	12/2001	BOSCH	80.132.01	016
L-1418	4x2 Motor OM 366 A TB	-	-	BOSCH	80.101.04	001
		-	-	BOSCH	80.103.01	005
		-	-	BOSCH	80.103.04	006
		04/1989	-	BOSCH	80.132.01	016
	com motor OM 366 A Euro 1	04/1989	-	BOSCH	80.103.01	005
		04/1989	-	BOSCH	80.103.04	006
		04/1998	-	BOSCH	80.132.01	016
	with OM 366 A Euro 1 engine	04/1998	-	BOSCH	80.132.01	016
	with OM 366 A engine	04/1989	-	BOSCH	80.132.01	016
		-	-	BOSCH	80.130.04	013



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
L-1418 E	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
L-1513	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	016
L-1516	com motor OM 352 A	-	-	BOSCH	80.102.05	004
		01/1974	-	BOSCH	80.132.01	016
		01/1974	-	BOSCH	80.132.02	016
		06/1982	-	BOSCH	80.132.05	017
	with OM 352 A engine	01/1974	-	BOSCH	80.132.01	016
L-1517	com motor OM 352 A	12/1985	05/1989	BOSCH	80.103.02	006
		12/1985	05/1989	BOSCH	80.103.05	006
		06/1986	05/1989	BOSCH	80.132.01	016
L-1518	com motor OM 352 A	06/1987	12/1997	BOSCH	80.132.01	016
	with OM 352 A engine	06/1987	12/1997	BOSCH	80.132.01	016
L-1519		-	-	BOSCH	80.101.04	001
L-1614	com motor OM 366	04/1989	-	BOSCH	80.132.01	016
	with OM 366 engine	04/1989	-	BOSCH	80.132.01	016
L-1618	4x2 Motor OM 366 A	04/1989	-	BOSCH	80.132.01	016
	com motor OM 366 A	01/1989	-	BOSCH	80.103.04	006
	with OM 366 A engine	04/1989	-	BOSCH	80.132.01	016
		-	-	BOSCH	80.130.04	013
L-1620	4x2 Motor OM 366 LA TB	06/1996	-	BOSCH	80.132.01	016
	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	with OM 366 LA engine	06/1996	-	BOSCH	80.132.01	016
		06/1996	12/2005	BOSCH	80.102.02	003
		-	-	DELCO REMY	80.280.04	020
L-2013	com motor OM 352	04/1975	06/1987	BOSCH	80.102.01	002
		01/1974	04/1987	BOSCH	80.132.01	016
	com motor OM 352 A	01/1974	06/1987	BOSCH	80.132.01	016
		01/1974	06/1987	BOSCH	80.132.02	016
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	016
L-2014	com motor OM 352 A	07/1987	-	BOSCH	80.132.01	016
	with OM 352 A engine	07/1987	-	BOSCH	80.132.01	016
L-2016	com motor OM 352 A	04/1975	09/1976	BOSCH	80.102.01	002
		01/1974	-	BOSCH	80.132.01	016
		01/1974	-	BOSCH	80.132.02	016
	with OM 352 A engine	01/1974	-	BOSCH	80.132.01	016
L-2213	com motor OM 352	04/1975	09/1976	BOSCH	80.102.01	002
		01/1974	04/1987	BOSCH	80.132.01	016
	com motor OM 352 A	01/1974	06/1987	BOSCH	80.132.01	016
		01/1974	06/1986	BOSCH	80.132.02	016
	with OM 352 A engine	01/1974	06/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	016
L-2214	com motor OM 352	07/1987	-	BOSCH	80.132.01	016
	with OM 352 engine	07/1987	-	BOSCH	80.132.01	016
L-2215		01/1984	12/1986	BOSCH	80.102.01	002
L-2216	com motor OEM M 352-O	01/1987	12/1988	BOSCH	80.132.02	016
	com motor OM 352 A	01/1974	-	BOSCH	80.132.01	016
		03/1974	-	BOSCH	80.132.02	016
	with OM 352 A engine	01/1974	-	BOSCH	80.132.01	016



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
L-2216		03/1974	09/1976	BOSCH	80.102.01	002
L-2217	com motor OM 352 A	11/1985	-	BOSCH	80.132.01	016
	with OM 352 A engine	11/1985	-	BOSCH	80.132.01	016
L-2314	com motor OM 366	09/1989	-	BOSCH	80.132.01	016
	with OM 366 engine	09/1989	-	BOSCH	80.132.01	016
L-2318	com motor OM 366 A	07/1989	-	BOSCH	80.132.01	016
	with OM 366 A engine	07/1989	-	BOSCH	80.132.01	016
L-608 D	com motor OM 314	09/1973	09/1976	BOSCH	80.102.01	002
		09/1973	01/1987	BOSCH	80.132.01	016
		09/1973	06/1987	BOSCH	80.132.02	016
	with OM 314 engine	09/1973	01/1987	BOSCH	80.132.01	016
		09/1973	01/1987	BOSCH	80.102.02	003
L-610	com motor M 314-O álcool	01/1984	07/1989	BOSCH	80.102.01	002
		01/1984	07/1989	BOSCH	80.132.02	016
L-708 E	com motor OM 314	02/1987	12/1990	BOSCH	80.132.01	016
	with OM 314 engine	02/1987	12/1990	BOSCH	80.132.01	016
		02/1987	12/1990	BOSCH	80.102.02	003
LA-1113	com motor OM 352	-	-	BOSCH	80.102.05	004
		01/1974	-	BOSCH	80.132.01	016
		01/1974	-	BOSCH	80.132.05	017
	with OM 352 engine	01/1974	-	BOSCH	80.132.01	016
		11/1983	04/1987	BOSCH	80.102.02	003
LA-1117	com motor OM 352 A	-	-	BOSCH	80.102.05	004
		08/1983	-	BOSCH	80.132.01	016
		01/1983	-	BOSCH	80.132.05	017
	with OM 352 A engine	08/1983	-	BOSCH	80.132.01	016
		11/1983	-	BOSCH	80.102.02	003
LA-1313	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	016
LA-1513	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	016
LA-2013	com motor OM 352	01/1974	08/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	08/1987	BOSCH	80.132.01	016
LA-2213	com motor OM 352	01/1974	04/1987	BOSCH	80.132.01	016
	with OM 352 engine	01/1974	04/1987	BOSCH	80.132.01	016
LB-2218	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	016
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	016
LB-2318	com motor OM 366 A	05/1990	-	BOSCH	80.132.01	016
	with OM 366 A engine	05/1990	-	BOSCH	80.132.01	016
LK 2218	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	016
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	016
LK 2318	com motor OM 366 A	02/1990	-	BOSCH	80.132.01	016
	with OM 366 A engine	02/1990	-	BOSCH	80.132.01	016
LK-2219		-	-	BOSCH	80.101.04	001
LK/LN2		03/1996	12/1998	DELCO REMY	80.280.04	020
LO-708 E	com motor OM 314	02/1987	12/1990	BOSCH	80.132.01	016
	with OM 314 engine	02/1987	12/1990	BOSCH	80.132.01	016
LO-712	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
LO-809	com motor OM 364	03/1988	-	BOSCH	80.132.01	016
	with OM 364 engine	03/1988	-	BOSCH	80.132.01	016
		03/1988	-	BOSCH	80.102.02	003
LO-812	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 364 A	03/1988	-	BOSCH	80.132.01	016
	com motor OM 364 LA	01/2003	-	BOSCH	80.132.01	016
	com motor OM 366 12V	-	-	DELCO REMY	80.290.01	023
	with OM 364 A engine	03/1988	-	BOSCH	80.132.01	016
	with OM 364 LA engine	01/2003	-	BOSCH	80.132.01	016
LO-814	com motor OM 364 12V	-	08/2005	DELCO REMY	80.280.05	020



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
LO-814	com motor OM 364 12V	-	-	DELCO REMY	80.290.01	023
	com motor OM 364 LA	06/1997	-	BOSCH	80.132.01	016
	com motor OM 366 12V	-	08/2005	DELCO REMY	80.280.05	020
		-	-	DELCO REMY	80.290.01	023
	with OM 364 LA engine	06/1997	-	BOSCH	80.132.01	016
		06/1997	-	BOSCH	80.102.02	003
LO-914	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.04	020
LP -1419	com motor OM 366 LA	01/1988	01/1998	BOSCH	80.132.05	017
LP-1219	com motor OM 366 LA	01/1988	01/1998	BOSCH	80.132.05	017
LPO-1113	com motor OM 352	06/1974	-	BOSCH	80.132.01	016
	with OM 352 engine	06/1974	-	BOSCH	80.132.01	016
		11/1983	-	BOSCH	80.102.02	003
LS 1313	A com motor OM 352 A	01/1985	01/1987	BOSCH	80.132.01	016
LS 1518	com motor OM 352 A	06/1987	-	BOSCH	80.132.01	016
	with OM 352 A engine	06/1987	-	BOSCH	80.132.01	016
LS 1625	com motor OM 449 A	05/1990	-	BOSCH	80.135.02	002
LS 1630	com motor OM 449 LA	05/1990	-	BOSCH	80.135.02	002
LS 1929		-	-	BOSCH	80.101.04	001
LS 1932		-	-	BOSCH	80.101.04	001
LS 1933		-	-	BOSCH	80.101.04	001
LS 1934		-	-	BOSCH	80.101.04	001
LS 1935	com motor OM 447 LA	05/1990	-	BOSCH	80.135.02	002
LS 1941	com motor OM 447 LA	05/1990	-	BOSCH	80.135.02	002
M-Class	ML 270 CDI (163.113) with OM 612.963	11/1999	06/2005	BOSCH	80.110.02	010
ML	270 2.7L CDI com motor OM 612.963	11/1999	06/2005	BOSCH	80.110.02	010
Medio	4.2L com motor OM 904.936	01/2001	-	BOSCH	80.130.04	013
O 365	com motor OM 352	10/1987	-	BOSCH	80.132.01	016
		10/1987	10/1997	BOSCH	80.132.02	016
	com motor OM 355-5	-	-	BOSCH	80.101.04	001
	with OM 352 engine	10/1987	-	BOSCH	80.132.01	016
O 371 U	com motor OM 366	08/1987	-	BOSCH	80.103.02	006
		08/1987	-	BOSCH	80.103.05	006
O 371 UL	com motor OM 366 LA Euro 1	07/1993	-	BOSCH	80.103.02	006
		07/1993	-	BOSCH	80.103.05	006
		09/1993	-	BOSCH	80.103.02	006
		09/1993	-	BOSCH	80.103.05	006
O 400R	com motor OM 449 A	03/1993	-	BOSCH	80.135.02	002
O 400RS	com motor OM 447 LA	01/1993	-	BOSCH	80.135.02	002
O 400RSD	com motor 447 LA	03/1993	-	BOSCH	80.135.02	002
O 400RSL	com motor 447 LA	03/1993	-	BOSCH	80.135.02	002
O 400UP	com motor OM 449 A	03/1993	-	BOSCH	80.135.02	002
O 500 M	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
O 500 R	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	BOSCH	80.130.04	013
O 500 U	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
O 500 U	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	BOSCH	80.130.04	013
		-	-	DELCO REMY	80.280.04	020
O-355	4x2 Motor OM 355 5 ou 6 cil.	-	-	BOSCH	80.101.04	001
O-362	com motor OM 352 A	01/1975	-	BOSCH	80.132.01	016
		01/1975	-	BOSCH	80.132.02	016
	with OM 352 A engine	01/1975	-	BOSCH	80.132.01	016
		01/1975	10/1983	BOSCH	80.102.01	002
O-364	com motor OM 352	01/1980	-	BOSCH	80.132.01	016
		01/1980	01/1990	BOSCH	80.132.02	016
	com motor OM 352 A	-	-	BOSCH	80.101.04	001
		01/1980	-	BOSCH	80.132.01	016
	with OM 352 A engine	01/1980	-	BOSCH	80.132.01	016
	with OM 352 engine	01/1980	-	BOSCH	80.132.01	016
O-400 UPA	4x2 Motor OM 449 LA	07/1995	-	BOSCH	80.135.02	002
OF 1114	com motor OM 352	01/1987	-	BOSCH	80.132.01	016
	with OM 352 engine	01/1987	-	BOSCH	80.132.01	016
OF 1314	com motor OM 352	01/1987	-	BOSCH	80.132.01	016
	with OM 352 engine	01/1987	-	BOSCH	80.132.01	016
OF 1518	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
OF 812	com motor OM 364 A	05/1991	-	BOSCH	80.132.01	016
	with OM 364 A engine	05/1991	-	BOSCH	80.132.01	016
OF Series		-	-	BOSCH	80.102.03	003
OF-1113	com motor OM 352	03/1988	-	BOSCH	80.132.01	016
	com motor OM 366	09/1987	-	BOSCH	80.132.03	016
	with OM 352 engine	03/1988	-	BOSCH	80.132.01	016
OF-1115	com motor OM 366	09/1987	-	BOSCH	80.103.02	006
		09/1987	-	BOSCH	80.103.05	006
OF-1313	com motor OM 352	03/1988	-	BOSCH	80.132.01	016
	with OM 352 engine	03/1988	-	BOSCH	80.132.01	016
OF-1315	com motor OM 366	09/1987	-	BOSCH	80.103.02	006
		09/1987	-	BOSCH	80.103.05	006
OF-1417	com motor OM 904 eletrônico 24V	01/2006	-	DELCO REMY	80.280.04	020
		-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	01/2006	-	DELCO REMY	80.280.04	020
		-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
OF-1418	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.06	020
OF-1721	com motor OM 366LA 24V	03/1998	-	BOSCH	80.103.02	006
		03/1998	-	BOSCH	80.103.05	006
		-	-	DELCO REMY	80.291.01	024
	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
		-	-	DELCO REMY	80.280.06	020
OF-1722	com motor OM 904 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 906 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 924 eletrônico 24V	-	-	DELCO REMY	80.291.02	024
	com motor OM 926 eletrônico 24V	-	-	DELCO REMY	80.291.02	024



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
OH		-	-	BOSCH	80.102.03	003
OH 1113	com motor OM 366 A	01/1988	-	BOSCH	80.132.03	016
OH 1313	com motor OM 352	04/1982	-	BOSCH	80.132.01	016
	with OM 352 engine	04/1982	-	BOSCH	80.132.01	016
OH 1314	com motor OM 352	01/1987	-	BOSCH	80.132.01	016
	with OM 352 engine	01/1987	-	BOSCH	80.132.01	016
OH 1315	G 6.0L com motor M 366 G	04/1993	-	BOSCH	80.103.02	006
		04/1993	-	BOSCH	80.103.05	006
OH 1316	com motor OM 352 A	10/1983	-	BOSCH	80.132.01	016
	with OM 352 A engine	10/1983	-	BOSCH	80.132.01	016
OH 1621 LG		10/1997	-	BOSCH	80.103.02	006
		10/1997	-	BOSCH	80.103.05	006
OH 1621L	com motor OM 366LA 24V	-	-	DELCO REMY	80.291.01	024
		-	-	DELCO REMY	80.280.06	020
OH 1623 LG		10/1998	-	BOSCH	80.103.02	006
		10/1998	-	BOSCH	80.103.05	006
OH-1318		01/1988	-	BOSCH	80.103.02	006
		01/1988	-	BOSCH	80.103.05	006
OH-1419		-	-	BOSCH	80.101.04	001
OH-1420	com motor OM 366LA 24V	-	-	DELCO REMY	80.291.01	024
		-	-	DELCO REMY	80.280.06	020
OH-1517		-	-	BOSCH	80.101.04	001
OH-1520		-	-	BOSCH	80.101.04	001
OH-1623	com motor OM 364 24V	-	03/2006	DELCO REMY	80.280.06	020
	com motor OM 366LA 24V	-	03/2006	DELCO REMY	80.280.06	020
		-	-	DELCO REMY	80.291.01	024
S-Class	S 280 (W140) com motor M 104.944	06/1993	09/1998	BOSCH	80.110.02	010
	S 300 Turbo D (140.135) com motor OM 606.961	06/1996	09/1998	BOSCH	80.110.02	010
	S 320 CDI com motor M 104.990	03/1993	09/1998	BOSCH	80.110.02	010
	S 320 CDI com motor M 104.994	05/1993	02/1999	BOSCH	80.110.02	010
	S 320 CDI com motor OM 613.960	06/1999	08/2002	BOSCH	80.110.02	010
	S 320 CDI com motor OM 648.960	09/2002	08/2005	BOSCH	80.110.02	010
	S 350 Turbo D (140.134) com motor OM 603.971	09/1993	06/1996	BOSCH	80.110.02	010
SL-Class	SL 280 2.8L com motor M 104.943	07/1993	05/1998	BOSCH	80.110.02	010
	SL 320 3.2L com motor M 104.991	07/1993	05/1998	BOSCH	80.110.02	010
Sprinter	2.5 L Diesel com motor Maxion HS 4 cil.	-	-	PRESTOLITE	80.480.14	043
	311 DCI OM 611.981 DE LA 2.2L	08/2002	05/2006	BOSCH	80.110.02	010
	312 CDI OM 602.980 DE LA 2.9L	-	-	BOSCH	80.110.02	010
	OM 601.943 2.3L	02/1995	03/2000	BOSCH	80.110.02	010
	OM 611.981 DE LA 2.2L	04/2000	05/2006	BOSCH	80.110.02	010
	OM 612.981 DE LA 2.7L	02/2001	05/2006	BOSCH	80.110.02	010
Tourino	510 com motor OM 926	09/2006	-	BOSCH	80.130.04	013
Travego	580 com o motor OM 542.948	10/1999	-	mitsubishi	80.840.01	039
UX	100 2.9L com motor OM 602.989 DE	08/1996	-	BOSCH	80.110.02	010
Unimog		03/2000	-	DELCO REMY	80.280.04	020
Unimog U	100 2.9L com motor OM 602.981/989	07/1996	09/2001	BOSCH	80.110.02	010
	20 com motor OM 900.915	10/2007	-	BOSCH	80.130.04	013
	300 com motor OM 900.915	09/2006	-	BOSCH	80.130.04	013
	300 com motor OM 900.916	09/2006	-	BOSCH	80.130.04	013
	300 com motor OM 904.927	04/2000	-	BOSCH	80.130.04	013
	300 com motor OM 904.928	04/2000	-	BOSCH	80.130.04	013
	3000 com motor OM 904.953	09/2002	-	BOSCH	80.130.04	013
	400 com motor OM 900.916	09/2006	-	BOSCH	80.130.04	013
	400 com motor OM 902.923	09/2006	-	BOSCH	80.130.04	013
	400 com motor OM 904.928	04/2000	-	BOSCH	80.130.04	013
	400 com motor OM 906.935	04/2000	-	BOSCH	80.130.04	013
	4000 com motor OM 924.923	09/2006	-	BOSCH	80.130.04	013
	500 com motor OM 902.923	09/2006	-	BOSCH	80.130.04	013



TABELA DE APLICAÇÃO

APPLICATION CHART

MERCEDES-BENZ		de /from	até /until	M.Part./Starter	ZM	Pag.
Unimog U	500 com motor OM 902.924	09/2006	-	BOSCH	80.130.04	013
	500 com motor OM 906.935	02/2001	-	BOSCH	80.130.04	013
	500 com motor OM 906.955	02/2001	-	BOSCH	80.130.04	013
	5000 com motor OM 906.935	03/2003	-	BOSCH	80.130.04	013
	5000 com motor OM 924.916	03/2003	-	BOSCH	80.130.04	013
	5000 com motor OM 924.923	09/2006	-	BOSCH	80.130.04	013
	90 2.9L com motor OM 602.981/989	07/1996	09/2001	BOSCH	80.110.02	010
V-Class	V 200 2.2L CDI com motor OM 611.980	06/1999	09/2003	BOSCH	80.110.02	010
	V 220 2.2L CDI com motor OM 611.980	06/1999	09/2003	BOSCH	80.110.02	010
	V 230 2.3 TD com motor OM 601.970	04/1996	09/2003	BOSCH	80.110.02	010
Vario	512 com motor OM 602.984 LA	09/1996	01/2001	BOSCH	80.110.02	010
	612 com motor OM 602.984/985	09/1996	01/2001	BOSCH	80.110.02	010
	613 com motor OM 900.917	09/2006	-	BOSCH	80.130.04	013
	614 com motor OM 904.908	09/1996	01/2001	BOSCH	80.130.04	013
	614 com motor OM 904.914	01/2001	09/2006	BOSCH	80.130.04	013
	615 com motor OM 904.923	10/1998	01/2001	BOSCH	80.130.04	013
	615 com motor OM 904.936	01/2001	09/2006	BOSCH	80.130.04	013
	616 com motor OM 900.918	09/2006	-	BOSCH	80.130.04	013
	618 com motor OM 900.919	09/2006	-	BOSCH	80.130.04	013
	618 com motor OM 904.964	06/2003	09/2006	BOSCH	80.130.04	013
	810 com motor OM 904.904	09/1996	01/2001	BOSCH	80.130.04	013
	812 com motor OM 602.984/985	09/1996	09/2006	BOSCH	80.110.02	010
	813 com motor OM 900.917	09/2006	-	BOSCH	80.130.04	013
	814 com motor OM 904.908	09/1996	01/2001	BOSCH	80.130.04	013
	814 com motor OM 904.914	01/2001	09/2006	BOSCH	80.130.04	013
	815 com motor OM 904.923	09/1996	01/2001	BOSCH	80.130.04	013
	815 com motor OM 904.936	01/2001	09/2006	BOSCH	80.130.04	013
	816 com motor OM 900.918	09/2006	-	BOSCH	80.130.04	013
	818 com motor OM 900.919	09/2006	-	BOSCH	80.130.04	013
	818 com motor OM 904.964	06/2003	09/2006	BOSCH	80.130.04	013
		09/1996	-	DELCO REMY	80.280.04	020
Viano	CDI 2.0 com motor OM 646.981	11/2006	08/2010	BOSCH	80.110.02	010
	CDI 2.0 com motor OM 646.982	09/2003	10/2006	BOSCH	80.110.02	010
	CDI 2.2 com motor OM 646.982	09/2003	08/2010	BOSCH	80.110.02	010
Vito	OM 601.942 2.3L	11/1995	09/2003	BOSCH	80.110.02	010
	OM 601.970 2.3L	11/1995	09/2003	BOSCH	80.110.02	010
MITSUBISHI		de /from	até /until	M.Part./Starter	ZM	Pag.
Canter	FB7 3.0L Diesel	08/2005	11/2010	BOSCH	80.130.11	015
	FB8 3.0L Diesel	08/2005	11/2010	BOSCH	80.130.11	015
	FE7 3.0L Diesel	08/2005	11/2010	BOSCH	80.130.11	015
	FE8 3.0L Diesel	08/2005	11/2010	BOSCH	80.130.11	015
Colt	III 1.8 Diesel GLX with 4D65 engine	04/1988	05/1992	mitsubishi	80.893.01	036
Empilhadeira	FG40-G com motor 6G72	-	-	mitsubishi	80.790.02	036
	FG40-G2 com motor 6G72	-	-	mitsubishi	80.790.02	036
	FG40-LP com motor 6G72	-	-	mitsubishi	80.790.02	036
	FG40-LP2 com motor 6G72	-	-	mitsubishi	80.790.02	036
	FG40-LPS com motor 6G72	-	-	mitsubishi	80.790.02	036
	GC-2025 com motor 4G63	01/1992	01/1997	mitsubishi	80.790.02	036
	GC-2030 com motor 4G63	01/1992	01/1997	mitsubishi	80.790.02	036
Galant	II 2.3 TD with 4D55T engine	09/1980	05/1984	mitsubishi	80.893.01	036
	II Sation Wagon 2.3 TD with 4D55T engine	05/1983	05/1984	mitsubishi	80.893.01	036
	IV 1.8 TD with 4D65T engine	11/1988	10/1992	mitsubishi	80.893.01	036
	IV Saloon 1.8 TD with 4D65T engine	12/1987	10/1992	mitsubishi	80.893.01	036
	V 2.0 GLS TD with 4D68T engine	11/1992	08/1996	mitsubishi	80.893.01	036
	V Saloon 2.0 GLS TD 4D68T engine	11/1992	08/1996	mitsubishi	80.893.01	036
	VI 2.0 TDI with 4D68 SOHC engine	09/1996	10/2004	mitsubishi	80.893.01	036
	VI Estate 2.0 TDI with 4D68 SOHC engine	09/1996	10/2003	mitsubishi	80.893.01	036
L 200	2.5 D 4WD with 4D56 engine	12/1987	05/1993	mitsubishi	80.893.01	036



TABELA DE APLICAÇÃO

APPLICATION CHART

MITSUBISHI		de /fron	até /until	M.Part./Starter	ZM	Paq.
L 200	2.5 D 4WD with 4D56 engine	08/2003	-	VALEO	80.201.04	047
	2.5 D OUTDOOR	01/1994	01/2007	mitsubishi	80.893.01	036
	2.5 D with 4D56 engine	11/1986	08/1996	mitsubishi	80.893.01	036
	2.5 TD 4WD with 4D56T engine	12/1987	05/1992	mitsubishi	80.893.01	036
	2.5 TD 4X4	-	-	VALEO	80.201.04	047
	2.5 TD 4X4 with 4D56T engine	08/2001	-	VALEO	80.201.04	047
L 300	2.3 D with 4D55 engine	09/1983	10/1986	mitsubishi	80.893.01	036
	2.5 D with 4D56 engine	04/1983	10/1986	mitsubishi	80.893.01	036
	2.5 TD 4WD with 4D56T engine	11/1988	-	mitsubishi	80.893.01	036
Lancer	V 2.0 D with 4D68 engine	06/1992	-	mitsubishi	80.893.01	036
	V Station Wagon 2.0 D with 4D68 engine	12/1992	10/2003	mitsubishi	80.893.01	036
Pajero	2.5 TD	-	-	VALEO	80.201.04	047
	I 2.3 TD with 4D55T engine	12/1982	04/1986	mitsubishi	80.893.01	036
	I 2.5 TD with 4D56T engine	01/1990	12/1991	mitsubishi	80.893.01	036
Space	Wagon 1.8 TD with 4D65T engine	06/1986	04/1991	mitsubishi	80.893.01	036
	Wagon 2.0 TD with 4D68T engine	10/1992	10/1998	mitsubishi	80.893.01	036
MIURA		de /fron	até /until	M.Part./Starter	ZM	Paq.
Top Sport	2.0	04/1990	12/2000	BOSCH	80.106.04	008
MONTANA		de /fron	até /until	M.Part./Starter	ZM	Paq.
Pulverizador	Parruda 2627H com motor MWM 4.10L TCA	07/2012	-	PRESTOLITE	80.480.05	041
	Parruda 2627M com motor MWM 4.10L TCA	07/2012	-	PRESTOLITE	80.480.05	041
MWM		de /fron	até /until	M.Part./Starter	ZM	Paq.
D 229-3		01/1981	-	BOSCH	80.132.04	017
D 229-4		11/1983	07/1985	BOSCH	80.102.04	003
		01/1981	-	BOSCH	80.132.04	017
D 229-6		01/1981	07/1985	BOSCH	80.102.04	003
		01/1981	-	BOSCH	80.132.04	017
Diesel D		-	-	BOSCH	80.102.04	003
MWM	2.8L Diesel 4.07 TCA	-	-	BOSCH	80.110.03	010
	4.10TCA	-	-	PRESTOLITE	80.480.05	041
	4.12TCE ITEC MIDI BUS	-	-	PRESTOLITE	80.480.05	041
	Sprint 6 cil. 4.2	-	-	BOSCH	80.130.05	014
		-	-	PRESTOLITE	80.480.15	043
		-	-	PRESTOLITE	80.480.17	044
Motor estacionário	com motor 4Y 6Cil.	-	-	PRESTOLITE	80.485.02	045
	com motor Série X-10Y 229	-	-	PRESTOLITE	80.485.03	046
SLC 7000 Series	TD 229-6	06/1986	-	BOSCH	80.102.17	004
		-	-	BOSCH	80.102.04	003
TD 229-6		09/1983	07/1985	BOSCH	80.102.04	003
		01/1981	-	BOSCH	80.132.04	017
TD Series		-	-	BOSCH	80.102.04	003
MÜLLER		de /fron	até /until	M.Part./Starter	ZM	Paq.
VIBRO RT 62	com motor D 229-3	01/1981	-	BOSCH	80.102.17	004
VIBRO RT 82	com motor D 229-3	01/1981	-	BOSCH	80.102.17	004
NEW HOLLAND		de /fron	até /until	M.Part./Starter	ZM	Paq.
Colheitadeira	CR9040 com motor 9.0L 6Cil. (322HP)	01/2008	-	DENSO	80.141.03	030
	CR9060 com motor 9.0L 6Cil. (360HP)	01/2006	-	DENSO	80.141.03	030
	CR960 com motor 8460	01/2002	01/2006	DENSO	80.141.03	030
	CR960 com motor F2B	01/2002	01/2006	DENSO	80.141.03	030
	CX860 com motor 8460	01/2001	-	DENSO	80.141.03	030
	CX860 com motor F2B	01/2002	01/2006	DENSO	80.141.03	030
Crawler Tractor	with FPT NEF 4 cil. 95HP 3.2L engine	01/2009	-	ISKRA	80.825.01	034
E50B	com motor Yanmar 4TNV88	01/2008	02/2012	HITACHI	80.680.01	033
Farm	3430 with 3-192 Ford Diesel engine	01/1990	12/1998	ISKRA	80.825.02	034
	3930 with 3-192 Ford Diesel engine	01/1990	12/1999	ISKRA	80.825.02	034
	4130 with 3-201 Ford Diesel engine	01/1990	12/1999	ISKRA	80.825.02	034
	4630 with 3-192 Ford Diesel engine	01/1990	12/1999	ISKRA	80.825.02	034
	4830 with 3-201 Ford Diesel engine	01/1990	12/1994	ISKRA	80.825.02	034



TABELA DE APLICAÇÃO

APPLICATION CHART

NEW HOLLAND		de /from	até /until	M.Part./Starter	ZM	Pag.
Farm	4835 with 4-220 Ford Diesel engine	01/1995	12/1998	ISKRA	80.825.02	034
	5030 with 4-256 Ford Diesel engine	01/1992	12/1998	ISKRA	80.825.02	034
T6020	with NEF 6 cil. 110HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
T6030	with NEF 6 cil. Tier 3 117HP 6.7L engine	-	-	ISKRA	80.825.01	034
T6040	with NEF 6 cil. Tier 3 120HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
T6050	with NEF 6 cil. Tier 3 127HP 6.7L engine	-	-	ISKRA	80.825.01	034
T6060	with NEF 6 cil. 130HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
T6070	with NEF 6 cil. Tier 3 142HP 6.7L engine	-	-	ISKRA	80.825.01	034
T6080	with NEF Tier 3 155HP 6.7L engine	-	-	ISKRA	80.825.01	034
T6090	with NEF Tier 3 165HP 6.7L engine	-	-	ISKRA	80.825.01	034
T7	with FPT NEF 6 cil. Tier 4 188HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with FPT NEF 6 cil. Tier 4 203HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with FPT NEF 6 cil. Tier 4 212HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with FPT NEF 6 cil. Tier 4 218HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with FPT NEF 6 cil. Tier 4 234HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with FPT NEF 6 cil. Tier 4 250HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with FPT NEF 6 cil. Tier 4 260HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with FPT NEF 6cil. Tier 4 171HP 6.7L engine	01/2011	-	ISKRA	80.825.01	034
	with NEF Tier 4 125HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 140HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 155HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 165HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 167HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 185HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with NEF Tier 4 215HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with Tier 4 185HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
	with Tier 4 200HP 6.7L engine	12/2010	-	ISKRA	80.825.01	034
T7030	with NEF Tier 3 167HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
T7040	with NEF Tier 3 182HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
T7050	with NEF Tier 3 197HP 6.7L engine	06/2009	-	ISKRA	80.825.01	034
T7060	with NEF 6c cil 210HP 6.7L engine	01/2007	-	ISKRA	80.825.01	034
T7070	with NEF Tier 3 225HP 6.7L engine	06/2009	-	ISKRA	80.825.01	034
TC5070	with NEF 6 cil. 181HP 6.7L engine	09/2007	-	ISKRA	80.825.01	034
TC57	with NEF 6 cil. 181HP 6.7L engine	09/2007	-	ISKRA	80.825.01	034
TM7010	with NEF TAA 6 cil. 105KW engine	02/2008	-	ISKRA	80.825.01	034
TM7020	with NEF TAA 6 cil. 116KW engine	02/2008	-	ISKRA	80.825.01	034
TM7030	with NEF TAA 6 cil. 125 KW engine	02/2008	-	ISKRA	80.825.01	034
TM7040	with NEF TAA 6 cil. 135KW engine	02/2008	-	ISKRA	80.825.01	034
Tractor	5610S with 4-304 Ford Diesel engine	01/1994	12/2000	ISKRA	80.825.02	034
	5640 with 4-268 Ford Diesel engine	01/1992	12/1997	ISKRA	80.825.02	034
	6610S with 4-304 Ford Diesel engine	01/1994	12/2000	ISKRA	80.825.02	034
	6640 with 4-304 Ford Diesel engine	01/1991	12/1998	ISKRA	80.825.02	034
	7010 with 4-304 Ford Diesel engine	01/1996	12/2000	ISKRA	80.825.02	034
	7610S with 4-304 Ford Diesel engine	01/1994	12/2000	ISKRA	80.825.02	034
	7740 with 4-304 Ford Diesel engine	01/1991	12/1998	ISKRA	80.825.02	034
	7840 with 6-401 Ford Diesel engine	01/1991	12/1996	ISKRA	80.825.02	034
	8000 Series	-	-	BOSCH	80.102.02	003
	8010 with 6-456 Ford Diesel engine	01/1996	04/2000	ISKRA	80.825.02	034
	8010HC with 6-456 Ford Diesel engine	01/1997	12/1999	ISKRA	80.825.02	034
	8040 Series	01/1984	07/1989	BOSCH	80.102.02	003
	8055 Series	01/1984	07/1989	BOSCH	80.102.02	003
	8160 with 6-456 Ford Diesel engine	01/1996	12/1997	ISKRA	80.825.02	034
	8240 with 6-456 Ford Diesel engine	01/1992	12/1997	ISKRA	80.825.02	034
	8260 with 6-456 Ford Diesel engine	01/1996	12/1999	ISKRA	80.825.02	034
	8340 with 6-456 Ford Diesel engine	01/1992	12/1997	ISKRA	80.825.02	034
	8360 with 6.456 Ford Diesel engine	01/1996	12/1999	ISKRA	80.825.02	034
	8560 with 6-456 Ford Diesel engine	01/1996	12/1999	ISKRA	80.825.02	034
	TB100 with NH Turbo 5,0L engine	01/2003	-	ISKRA	80.825.02	034



TABELA DE APLICAÇÃO

APPLICATION CHART

NEW HOLLAND		de /fron	até /until	M.Part./Starter	ZM	Pag.
Tractor	TB110 with NH Turbo 5,0L engine	01/2003	-	ISKRA	80.825.02	034
	TB120 with NH Turbo 7,5L engine	01/2000	-	ISKRA	80.825.02	034
	TB80 with NH Turbo 4,4L engine	01/2003	-	ISKRA	80.825.02	034
	TB85 with NH Turbo 4,4L engine	01/2003	-	ISKRA	80.825.02	034
	TB90 with NH Turbo 5,0L engine	01/2003	-	ISKRA	80.825.02	034
	TM115 with NEF 6 cil. 7,5L engine	01/2000	-	ISKRA	80.825.02	034
	TM125 with NEF 6 cil. 7,5L engine	01/2000	-	ISKRA	80.825.02	034
	TM135 with NEF 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
	TM150 with NEF 6 cil 7,5L engine	01/2000	-	ISKRA	80.825.02	034
	TM165 with NEF 6cil. engine	01/1999	-	ISKRA	80.825.02	034
	TS100 with NEF 4 cil. 4.5L engine	01/1998	-	ISKRA	80.825.01	034
	TS110 with NEF 4 cil. 4.5L engine	01/1998	-	ISKRA	80.825.01	034
	TS6.100 with NEF Tier 4 101HP engine	01/2012	-	ISKRA	80.825.01	034
	TS6.120 with FPT NEF 4 cil. 118HP 4.5L engine	01/2010	-	ISKRA	80.825.01	034
	TS6.125 with NEF 6 cil. 124HP 6.7L engine	01/2010	-	ISKRA	80.825.01	034
	TS6.140 with FPT NEF engine 6 cil. 139HP 6.7L engine	01/2010	-	ISKRA	80.825.01	034
	TS90 with NEF 4 cil. engine	01/1998	-	ISKRA	80.825.01	034
	TT60A with NEF 3 cil. 56HP 2.9L engine	01/2007	-	ISKRA	80.825.01	034
	TV140 with NEF 6 cil. 7,5L engine	-	-	ISKRA	80.825.02	034
Windrowers	HW300	01/1998	12/2004	ISKRA	80.825.02	034
	HW320	01/1998	12/2004	ISKRA	80.825.02	034
	HW340	01/1998	12/2004	ISKRA	80.825.02	034
	HW345 SP	01/2004	12/2007	ISKRA	80.825.02	034
	HW365 SP	01/2005	-	ISKRA	80.825.02	034
NISSAN		de /fron	até /until	M.Part./Starter	ZM	Pag.
March	1.0 L	01/2012	-	VALEO	80.201.09	048
PERKINS		de /fron	até /until	M.Part./Starter	ZM	Pag.
1006-6	T with 6 Cil. 6.0L engine	-	-	ISKRA	80.825.04	035
	TW with 6 Cil. 6.0L engine	-	-	ISKRA	80.825.04	035
PEUGEOT		de /fron	até /until	M.Part./Starter	ZM	Pag.
206	1.0	01/2000	-	VALEO	80.201.11	048
	1.4	01/2000	-	VALEO	80.201.11	048
	1.6	01/2000	-	VALEO	80.201.11	048
207	1.0L	01/2000	-	VALEO	80.201.11	048
	1.4L	01/2000	-	VALEO	80.201.11	048
	1.6L	01/2000	-	VALEO	80.201.11	048
Boxer	2.5 Diesel com motor 8140 67	01/1999	02/2002	BOSCH	80.130.03	013
	2.8 Diesel com motor 8140 43	10/1999	05/2006	BOSCH	80.130.03	013
	2.8 Diesel com motor 8140 63	01/1999	05/2006	BOSCH	80.130.03	013
	2.8 HDi 4x4 Box with 8140.43S (F28DTCR) engine	10/2000	04/2001	BOSCH	80.130.02	013
		04/2002	-	BOSCH	80.381.01	017
	2.8 HDi 4x4 Bus with 8140.43S (F28DTCR) engine	04/2002	-	BOSCH	80.381.01	017
	2.8 HDi 4x4 Flatbed with 8140.43S (F28DTCR) engine	04/2002	-	BOSCH	80.381.01	017
	2.8 HDi Box with 8140.43N engine	04/2002	-	BOSCH	80.381.01	017
	2.8 HDi Box with 8140.43S (F28DTCR) engine	10/2000	11/2001	BOSCH	80.130.02	013
		10/2000	04/2002	BOSCH	80.381.01	017
	2.8 HDi Bus with 8140.43S (F28DTCR) engine	10/2000	-	BOSCH	80.381.01	017
	2.8 HDi Flatbed with 8140.43N engine	04/2004	-	BOSCH	80.381.01	017
	2.8 HDi Flatbed with 8140.43S (F28DTCR) engine	10/2000	-	BOSCH	80.381.01	017
Partner	1.4L	01/2000	-	VALEO	80.201.11	048
	1.6L	01/2000	-	VALEO	80.201.11	048
PUMA		de /fron	até /until	M.Part./Starter	ZM	Pag.
7900		03/1996	-	BOSCH	80.102.07	004
7900 T		02/1997	-	BOSCH	80.102.07	004
RENAULT		de /fron	até /until	M.Part./Starter	ZM	Pag.
Clio	1.0L com motor D4D/D7D	01/1999	01/2016	VALEO	80.201.09	048
	1.6L com motor K4	03/2000	01/2009	VALEO	80.201.10	048
	1.6L com motor K7	03/2000	01/2009	VALEO	80.201.10	048



TABELA DE APLICAÇÃO

APPLICATION CHART

RENAULT		de /fron	até /until	M.Part./Starter	ZM	Paq.
Clio	1.8L	-	-	VALEO	80.201.01	047
Kangoo	1.0L com motor D7D/D4D	01/2002	01/2007	VALEO	80.201.09	048
	1.6 16V com motor K4M	01/2000	01/2008	VALEO	80.201.10	048
Laguna	1.8L com motor F3P	-	-	VALEO	80.201.01	047
	2.0L com motor F3R	01/1991	-	VALEO	80.201.01	047
	2.0L com motor N7Q	01/1991	-	VALEO	80.201.01	047
Logan	1.0L com motor D4/D7 Hi-power	01/2007	01/2015	VALEO	80.201.09	048
	1.6L com motor K4	01/2007	-	VALEO	80.201.10	048
	1.6L com motor K7	01/2007	-	VALEO	80.201.10	048
Mascott	110.35 2.8L Diesel com motor 8140.43.B.3586	01/1999	-	BOSCH	80.130.11	015
	110.35 2.8L Diesel com motor 8140.43.B.3588	01/1999	-	BOSCH	80.130.11	015
	110.50 2.8L Diesel com motor 8140.43.B.3586	01/1999	-	BOSCH	80.130.11	015
	110.50 2.8L Diesel com motor 8140.43.B.3588	01/1999	-	BOSCH	80.130.11	015
	110.50 2.8L Diesel com motor 8140.43.B.358c8	01/1999	-	BOSCH	80.130.11	015
	110.60 2.8L Diesel com motor 8140.43.B.3586	01/1999	-	BOSCH	80.130.11	015
	110.60 2.8L Diesel com motor 8140.43.B.3588	01/1999	-	BOSCH	80.130.11	015
	130.35 2.8L Diesel com motor 8140.43S.3585	01/1999	-	BOSCH	80.130.11	015
	130.55 2.8L Diesel com motor 8140.43S.3585	01/1999	-	BOSCH	80.130.11	015
	130.65 2.8L Diesel com motor 8140.43S.3585	01/1999	-	BOSCH	80.130.11	015
	140.35 2.8L Diesel com motor 8140.43K	01/1999	-	BOSCH	80.130.11	015
	140.55 2.8L Diesel com motor 8140.43K	01/1999	-	BOSCH	80.130.11	015
	140.65 2.8L Diesel com motor 8140.43K	01/1999	-	BOSCH	80.130.11	015
	150.35 2.8L Diesel com motor 8140.43N.3585	01/1999	-	BOSCH	80.130.11	015
	150.55 2.8L Diesel com motor 8140.43N.3585	01/1999	-	BOSCH	80.130.11	015
	150.65 2.8L Diesel com motor 8140.43N.3585	01/1999	-	BOSCH	80.130.11	015
	90.35 2.8L Diesel com motor 8140.63.2585	01/1999	-	BOSCH	80.130.11	015
Master	II Box 2.5L D	10/1997	09/2003	mitsubishi	80.993.01	036
	II Bus 2.8 DTi	10/1997	09/2003	mitsubishi	80.993.01	036
	II Flatbed 2.8 DTi	10/1997	09/2003	mitsubishi	80.993.01	036
Megane	1.6 16V com motor K4M	01/2001	-	VALEO	80.201.10	048
	1.6L com motor K7M	01/2001	-	VALEO	80.201.10	048
	2.0L com motor F3R	01/1997	-	VALEO	80.201.01	047
	2.0L com motor F7R	01/1997	-	VALEO	80.201.01	047
R19	1.8L com motor F7P	01/1994	-	VALEO	80.201.01	047
Sanderó	1.0L com motor D4/D7/ Hi -power	01/2007	01/2015	VALEO	80.201.09	048
	1.6L com motor K4	01/2007	-	VALEO	80.201.10	048
	1.6L com motor K7	01/2007	-	VALEO	80.201.10	048
Scénic	1.6 16V com motor K4M	01/1999	01/2007	VALEO	80.201.10	048
	1.6 com motor K7M	01/1999	01/2007	VALEO	80.201.10	048
	2.0 com motor F3R	01/1999	-	VALEO	80.201.01	047
Symbol	1.6L com motor K4	01/2009	01/2015	VALEO	80.201.10	048
	1.6L com motor K7	01/2009	01/2015	VALEO	80.201.10	048
SAMSUNG		de /fron	até /until	M.Part./Starter	ZM	Paq.
SE170	com motor 5,9L	01/1992	01/1998	DENSO	80.141.02	030
SE210	com motor 5,9L	01/1992	01/1998	DENSO	80.141.02	030
SCANIA		de /fron	até /until	M.Part./Starter	ZM	Paq.
1051	with DC 11.01 engine	03/1996	02/2002	BOSCH	80.135.01	001
1053	with DC 11.02 engine	03/1996	02/2002	BOSCH	80.135.01	001
1071	with DSC 9.15 engine	10/1997	10/2000	BOSCH	80.135.01	001
1072	with DSC 9.11 engine	09/1997	08/2002	BOSCH	80.135.01	001
1073	with DSC 9.11 engine	09/1997	08/2002	BOSCH	80.135.01	001
1074	with DSC 9.12 engine	09/1997	10/2001	BOSCH	80.135.01	001
1076	with DSC 9.15 engine	09/1997	10/2000	BOSCH	80.135.01	001
1077	with DSC 9.15 engine	09/1997	10/2000	BOSCH	80.135.01	001
112 Series		-	-	BOSCH	80.101.02	000
		01/1981	-	BOSCH	80.101.05	001
1121	with DSC 12.03 engine	06/1996	02/2002	BOSCH	80.135.01	001
113 Series		-	-	BOSCH	80.101.02	000



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
113 Series		11/1990	-	BOSCH	80.101.05	001
114C/340	with DC 11.01 engine	01/1998	12/2004	BOSCH	80.135.01	001
	with DC 11.03 engine	01/1998	12/2002	BOSCH	80.135.01	001
114C/380	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.04 engine	03/1998	-	BOSCH	80.135.01	001
114G/340	with DC 11.01 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.03 engine	03/1998	-	BOSCH	80.135.01	001
114G/380	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.04 engine	03/1998	-	BOSCH	80.135.01	001
114L/340	with DC 11.01 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.03 engine	03/1998	-	BOSCH	80.135.01	001
114L/380	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.04 engine	03/1998	-	BOSCH	80.135.01	001
1184	with DC 12.01 engine	09/1995	08/2002	BOSCH	80.135.01	001
1194	with DC 12.01 engine	09/1995	08/2002	BOSCH	80.135.01	001
1207	with DC 12.02 engine	09/1995	09/2004	BOSCH	80.135.01	001
1211	with DC 12.02 engine	09/1995	09/2004	BOSCH	80.135.01	001
1212	with DC 12.02 engine	09/1995	09/2004	BOSCH	80.135.01	001
1226	with DSI 12.40 A01 engine	01/1990	12/1998	BOSCH	80.135.01	001
1227	with DSI 12.40 A02 engine	01/1990	12/1998	BOSCH	80.135.01	001
1228	with DSC 12.41 A01 engine	01/1992	12/1998	BOSCH	80.135.01	001
1229	with DSC 12.42 A01 engine	01/1990	12/1998	BOSCH	80.135.01	001
124 Serie	K	-	-	BOSCH	80.135.01	001
	P	-	-	BOSCH	80.135.01	001
	R	-	-	BOSCH	80.135.01	001
	T	-	-	BOSCH	80.135.01	001
1241	with DSC 12.01 engine	03/2001	12/2005	BOSCH	80.135.01	001
1242	with DSC 12.01 engine	03/2001	12/2005	BOSCH	80.135.01	001
1243	with DSC 12.01 engine	03/2001	12/2005	BOSCH	80.135.01	001
1244	with DC 11.03 engine	02/1996	09/2004	BOSCH	80.135.01	001
1245	with DC 11.03 engine	02/1996	09/2004	BOSCH	80.135.01	001
1246	DC 11.04 engine	02/1996	09/2004	BOSCH	80.135.01	001
1247	with DC 11.04 engine	02/1996	09/2004	BOSCH	80.135.01	001
1248	with DC 11.06 engine	02/1996	09/2004	BOSCH	80.135.01	001
1249	with DC 11.06 engine	02/1996	09/2004	BOSCH	80.135.01	001
124C/360	with DSC 12.02 engine	09/1996	-	BOSCH	80.135.01	001
124C/400	with DSC 12.01 engine	09/1996	-	BOSCH	80.135.01	001
124C/420	with DC 12.01 engine	-	-	BOSCH	80.135.01	001
	with DSC 12.05 engine	-	-	BOSCH	80.135.01	001
124C/470	with DT 12.02 engine	-	-	BOSCH	80.135.01	001
124G/360	with DSC 12.02 engine	05/1996	-	BOSCH	80.135.01	001
124G/400	with DSC 12.01 engine	05/1996	-	BOSCH	80.135.01	001
124G/420	with DSC 12.05 engine	-	-	BOSCH	80.135.01	001
124G/470	with DT 12.02 engine	-	-	BOSCH	80.135.01	001
124L/360	with DSC 12.02 engine	09/1996	-	BOSCH	80.135.01	001
124L/400	with DSC 12.01 engine	09/1996	-	BOSCH	80.135.01	001
124L/420	with DC 12.01 engine	09/1997	-	BOSCH	80.135.01	001
	with DSC 12.05 engine	09/1997	-	BOSCH	80.135.01	001
124L/440	with DT 12.08 engine	01/2001	-	BOSCH	80.135.01	001
124L/470	with DT 12.02 engine	01/2001	-	BOSCH	80.135.01	001
1251	with DC 12.01 engine	10/1997	08/2002	BOSCH	80.135.01	001
1252	with DC 12.01 engine	08/1997	08/2002	BOSCH	80.135.01	001
1253	with DC 12.02 engine	08/1997	-	BOSCH	80.135.01	001
1254	with DC 11.03 engine	10/1997	-	BOSCH	80.135.01	001
1255	with DC 11.04 engine	10/1997	-	BOSCH	80.135.01	001
1256	with DC 11.06 engine	10/1997	-	BOSCH	80.135.01	001
1257	with DC 11.07 engine	10/1997	10/2003	BOSCH	80.135.01	001



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
1258	with DC 11.03 engine	08/1997	-	BOSCH	80.135.01	001
1259	with DC 11.04 engine	08/1997	-	BOSCH	80.135.01	001
1260	with DC 11.06 engine	08/1997	-	BOSCH	80.135.01	001
1261	with DC 11.07 engine	08/1997	12/2003	BOSCH	80.135.01	001
1262	with DSC 9.13 engine	03/1997	08/2002	BOSCH	80.135.01	001
1263	with DSC 9.13 engine	09/1997	08/2002	BOSCH	80.135.01	001
1266	with DT 12.08 engine	09/2000	09/2004	BOSCH	80.135.01	001
1267	with DT 12.08 engine	09/2000	09/2004	BOSCH	80.135.01	001
1271	with DT 12.02 engine	09/2000	09/2004	BOSCH	80.135.01	001
1272	with DT 12.02 engine	02/2000	09/2004	BOSCH	80.135.01	001
1277	with DC 12.03 engine	09/2002	09/2004	BOSCH	80.135.01	001
1278	with DC 12.03 engine	09/2002	09/2004	BOSCH	80.135.01	001
1279	with DC 12.03 engine	09/2002	-	BOSCH	80.135.01	001
1280	with DC 12.03 engine	09/2002	-	BOSCH	80.135.01	001
1281	with DC 9.01 engine	04/1999	-	BOSCH	80.135.01	001
1282	with DC 9.02 engine	02/2000	-	BOSCH	80.135.01	001
1283	with DC 9.03 engine	02/2000	-	BOSCH	80.135.01	001
1284	with DC 9.01 engine	04/1999	-	BOSCH	80.135.01	001
1285	with DC 9.02 engine	02/2000	-	BOSCH	80.135.01	001
1286	with DC 9.03 engine	02/2000	-	BOSCH	80.135.01	001
1287	with DC 9.04 engine	08/1999	-	BOSCH	80.135.01	001
1288	with DC 9.04 engine	08/1999	-	BOSCH	80.135.01	001
1289	with DC 9.05 engine	09/2001	-	BOSCH	80.135.01	001
1290	with DC 9.05 engine	09/2001	-	BOSCH	80.135.01	001
1291	with DC 9.06 engine	09/2000	-	BOSCH	80.135.01	001
1292	with DC 9.06 engine	09/2000	-	BOSCH	80.135.01	001
1331	with DC 16.02 engine	10/2000	12/2005	BOSCH	80.135.01	001
1335	with DSC 12.05 engine	03/1998	12/2005	BOSCH	80.135.01	001
1338	with D1 12.41 engine	01/1999	-	BOSCH	80.135.01	001
1339	with DI 12.42 engine	01/1999	12/2004	BOSCH	80.135.01	001
1340	with DI 12.43 engine	01/1999	12/2004	BOSCH	80.135.01	001
1341	with DI 12.44 engine	01/1999	12/2004	BOSCH	80.135.01	001
1342	with DI 12.45 engine	01/1999	-	BOSCH	80.135.01	001
1388	with DSC 12.40 A01 engine	01/1990	12/1998	BOSCH	80.135.01	001
1389	with DC 12.40 A01 engine	01/1999	-	BOSCH	80.135.01	001
1390	with DC 12.41 A01 engine	01/1999	-	BOSCH	80.135.01	001
1391	with DC 12.42 A01 engine	01/1999	-	BOSCH	80.135.01	001
1392	with DI 12.40 engine	01/1999	-	BOSCH	80.135.01	001
1393	with DI 12.46 engine	01/1999	-	BOSCH	80.135.01	001
1405	with DC 16.40 A engine	01/2000	-	BOSCH	80.135.01	001
1416	with DSC 12.41 engine	09/1999	12/2005	BOSCH	80.135.01	001
1417	with DSC 12.40 A engine	09/1999	12/2005	BOSCH	80.135.01	001
1418	with DSC 12.42 A engine	09/1999	12/2005	BOSCH	80.135.01	001
1419	with DSI 12.40 A engine	01/1997	12/2005	BOSCH	80.135.01	001
1427	with DI 12.41 M engine	11/1992	11/2002	BOSCH	80.135.01	001
1428	with DI 12.42 M engine	11/1992	11/2002	BOSCH	80.135.01	001
1429	with DI 12.43 engine	11/1992	11/2002	BOSCH	80.135.01	001
1430	D 12.44 M engine	11/1992	11/2002	BOSCH	80.135.01	001
1431	with DI 12.45 M engine	11/1992	11/2002	BOSCH	80.135.01	001
1525	with DC 16.41 A engine	01/2000	-	BOSCH	80.135.01	001
1526	with DC 16.42 A engine	01/2000	-	BOSCH	80.135.01	001
1527	with DC 16.43 A engine	01/2000	-	BOSCH	80.135.01	001
360 Serie	P	-	-	BOSCH	80.135.01	001
	R	-	-	BOSCH	80.135.01	001
	T	-	-	BOSCH	80.135.01	001
400 Serie	P	-	-	BOSCH	80.135.01	001
	R	-	-	BOSCH	80.135.01	001



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
400 Serie	R	-	-	BOSCH	80.135.01	001
	T	-	-	BOSCH	80.135.01	001
420 Serie	P	-	-	BOSCH	80.135.01	001
	R	-	-	BOSCH	80.135.01	001
821	with DSC 12.01 engine	09/1995	01/2000	BOSCH	80.135.01	001
823	with DSC 12.02 engine	09/1995	02/2002	BOSCH	80.135.01	001
885	with DSC 9.11 engine	03/1997	08/2002	BOSCH	80.135.01	001
886	with DSC 9.12 engine	03/1997	10/2001	BOSCH	80.135.01	001
887	with DSC 9.15 engine	03/1997	10/2000	BOSCH	80.135.01	001
935	with DSC 12.02 engine	10/1997	02/2002	BOSCH	80.135.01	001
936	with DSC 12.05 engine	10/1997	02/2002	BOSCH	80.135.01	001
937	with DSC 12.02 engine	08/1997	02/2002	BOSCH	80.135.01	001
938	with DSC 12.05 engine	08/1997	02/2002	BOSCH	80.135.01	001
939	with DSC 12.05 engine	09/1995	02/2002	BOSCH	80.135.01	001
948	with DSC 12.02 engine	09/1995	02/2002	BOSCH	80.135.01	001
949	with DSC 12.05 engine	09/1995	02/2002	BOSCH	80.135.01	001
952	with DSC 12.01 engine	03/1995	01/2000	BOSCH	80.135.01	001
957	with DSC 12.02 engine	03/1998	12/2005	BOSCH	80.135.01	001
974	with DSC 12.02 engine	03/1998	12/2005	BOSCH	80.135.01	001
975	with DSC 12.02 engine	09/1998	12/2005	BOSCH	80.135.01	001
977	with DSC 12.03 engine	08/1998	12/2005	BOSCH	80.135.01	001
978	with DSC 12.05 engine	08/1998	12/2005	BOSCH	80.135.01	001
979	with DSC 12.05 engine	08/1998	12/2005	BOSCH	80.135.01	001
986	with DSC 12.02 engine	08/1998	12/1998	BOSCH	80.135.01	001
987	with DSC 12.05 engine	08/1998	12/2005	BOSCH	80.135.01	001
998	with DC 11.01 engine	03/1996	02/2002	BOSCH	80.135.01	001
999	with DC 11.02 engine	03/1996	02/2002	BOSCH	80.135.01	001
Série DN		06/1991	-	BOSCH	80.101.05	001
Série DS		06/1991	-	BOSCH	80.101.05	001
Série DSC		06/1991	-	BOSCH	80.101.05	001
Série DSI		06/1991	-	BOSCH	80.101.05	001
Série G	G 230 with DC 9.13 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 230 with DC 9.16 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 230 with DC 9.30 engine	09/2008	-	BOSCH	80.137.01	002
		09/2008	-	mitsubishi	80.890.05	038
	G 230 with DC 9.35 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 230 with DC 9.39 engine	09/2009	-	BOSCH	80.137.01	002
		09/2009	-	mitsubishi	80.890.05	038
	G 270 with DC 9.12 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 270 with DC 9.17 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 280 with DC 9.29 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 280 with DC 9.36 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 280 with DC 9.38 engine	09/2009	-	BOSCH	80.137.01	002
		09/2009	-	mitsubishi	80.890.05	038
	G 310 with DC 9.11 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 310 with DC 9.18 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 320 with DC 9.22 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 320 with DC 9.28 engine	09/2008	-	BOSCH	80.137.01	002



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
Série G	G 320 with DC 9.28 engine	09/2008	-	mitsubishi	80.890.05	038
	G 320 with DC 9.32 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 320 with DC 9.37 engine	09/2009	-	BOSCH	80.137.01	002
		09/2009	-	mitsubishi	80.890.05	038
	G 340 with DC 11.08 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 340 with DC 12.10 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 360 with DC 13.06 engine	09/2008	-	BOSCH	80.137.01	002
	G 380 with DC 11.09 engine	09/2007	-	BOSCH	80.137.01	002
	G 380 with DC 12.13 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 380 with DC 12.17 engine	10/2007	-	BOSCH	80.137.01	002
		10/2007	-	mitsubishi	80.890.05	038
	G 380 with DC 12.18 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 400 with DC 13.05 engine	09/2008	-	BOSCH	80.137.01	002
		09/2008	-	mitsubishi	80.890.05	038
	G 420 with DC 12.06 engine	10/2007	-	BOSCH	80.137.01	002
		10/2007	-	mitsubishi	80.890.05	038
	G 420 with DC 12.12 engine	09/2007	-	BOSCH	80.137.01	002
	G 420 with DC 12.14 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 420 with DC 12.15 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 420 with DC 12.22 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 440 with DC 13.10 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 440 with DT 12.18 engine	09/2007	-	BOSCH	80.137.01	002
	G 470 with DT 12.06 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	G 480 with DC 13.07 engine	09/2008	-	BOSCH	80.137.01	002
		09/2008	-	mitsubishi	80.890.05	038
	G 480 with DT 12.17 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
Série K	K 270 Rodoviário with DC 9.20 engine	01/2005	03/2012	BOSCH	80.137.01	002
		01/2005	03/2012	mitsubishi	80.890.05	038
	K 310 Rodoviário with DSC 9.21 engine	01/2005	03/2012	BOSCH	80.137.01	002
		01/2005	03/2012	mitsubishi	80.890.05	038
	K 340 Rodoviário with DC 11.03 engine	01/2005	03/2012	BOSCH	80.137.01	002
		01/2005	03/2012	mitsubishi	80.890.05	038
	K 380 Rodoviário with DC 11.04 engine	01/2005	03/2012	BOSCH	80.137.01	002
		01/2005	03/2012	mitsubishi	80.890.05	038
Série P	P 230 with DC 9.13 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 230 with DC 9.16 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	P 230 with DC 9.19 engine	01/2005	-	BOSCH	80.137.01	002
		01/2005	-	mitsubishi	80.890.05	038
	P 230 with DC 9.30 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 230 with DC 9.35 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 230 with DC 9.39 engine	09/2009	-	BOSCH	80.137.01	002
		09/2009	-	mitsubishi	80.890.05	038
	P 270 with DC 9.12 engine	09/2004	-	BOSCH	80.137.01	002



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
Série P	P 270 with DC 9.12 engine	09/2004	-	mitsubishi	80.890.05	038
	P 270 with DC 9.17 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	P 270 with DC 9.20 engine	01/2005	-	BOSCH	80.137.01	002
		01/2005	-	mitsubishi	80.890.05	038
	P 270 with DC 9.E02 engine	09/2008	-	BOSCH	80.137.01	002
		09/2008	-	mitsubishi	80.890.05	038
	P 280 with DC 9.29 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 280 with DC 9.36 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 280 with DC 9.38 engine	09/2009	-	BOSCH	80.137.01	002
		09/2009	-	mitsubishi	80.890.05	038
	P 310 with DC 9.11 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 310 with DC 9.18 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	P 310 with DC 9.21 engine	01/2005	-	BOSCH	80.137.01	002
		01/2005	-	mitsubishi	80.890.05	038
	P 320 with DC 9.22 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 320 with DC 9.28 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 320 with DC 9.32 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 320 with DC 9.37 engine	09/2009	-	BOSCH	80.137.01	002
		09/2009	-	mitsubishi	80.890.05	038
	P 340 with DC 11.03 engine	01/2005	-	BOSCH	80.137.01	002
		01/2005	-	mitsubishi	80.890.05	038
	P 340 with DC 11.08 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 340 with DC 12.10 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	P 360 with DC 13.06 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 380 with DC 11.09 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 380 with DC 12.13 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	P 380 with DC 12.17 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 380 with DC 12.18 engine	09/2006	-	BOSCH	80.137.01	002
		09/2006	-	mitsubishi	80.890.05	038
	P 400 with DC 13.05 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 420 with DC 12.06 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 420 with DC 12.12 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 420 with DC 12.14 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 420 with DC 12.15 engine	02/2006	-	BOSCH	80.137.01	002
		02/2006	-	mitsubishi	80.890.05	038
	P 420 with DC 12.22 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	P 470 with DT 12.06 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	P 480 with DT 12.17 engine	09/2006	-	BOSCH	80.137.01	002
		09/2006	-	mitsubishi	80.890.05	038
Série R	R 230 with DC 9.13 engine	09/2004	-	BOSCH	80.137.01	002



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
Série R	R 230 with DC 9.13 engine	09/2004	-	mitsubishi	80.890.05	038
	R 230 with DC 9.16 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	R 270 with DC 9.12 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	R 270 with DC 9.17 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	R 310 with DC 9.11 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	R 310 with DC 9.18 engine	09/2005	-	BOSCH	80.137.01	002
		04/2004	-	mitsubishi	80.890.05	038
	R 340 with DC 11.08 engine	03/2004	-	BOSCH	80.137.01	002
		03/2004	-	mitsubishi	80.890.05	038
	R 340 with DC 12.10 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	R 360 with DC 13.06 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	R 380 with DC 11.04 engine	01/2005	-	BOSCH	80.137.01	002
		01/2005	-	mitsubishi	80.890.05	038
	R 380 with DC 11.09 engine	03/2004	-	BOSCH	80.137.01	002
		03/2004	-	mitsubishi	80.890.05	038
	R 380 with DC 12.13 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	R 380 with DC 12.18 engine	09/2006	-	BOSCH	80.137.01	002
		09/2006	-	mitsubishi	80.890.05	038
	R 400 with DC 13.05 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	R 420 with DC 12.01 engine	01/2005	-	BOSCH	80.137.01	002
		01/2005	-	mitsubishi	80.890.05	038
	R 420 with DC 12.06 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	R 420 with DC 12.11 engine	09/2004	-	BOSCH	80.137.01	002
		09/2004	-	mitsubishi	80.890.05	038
	R 420 with DC 12.12 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	R 420 with DC 12.14 engine	02/2004	-	BOSCH	80.137.01	002
		02/2004	-	mitsubishi	80.890.05	038
	R 420 with DC 12.15 engine	02/2006	-	BOSCH	80.137.01	002
		02/2006	-	mitsubishi	80.890.05	038
	R 420 with DC 12.22 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	R 440 with DT 12.18 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
	R 440 with DT 13.10 engine	09/2007	-	BOSCH	80.137.01	002
		04/2004	-	mitsubishi	80.890.05	038
	R 470 with DT 12.03 engine	09/2005	-	BOSCH	80.137.01	002
		09/2005	-	mitsubishi	80.890.05	038
	R 470 with DT 12.06 engine	04/2004	-	BOSCH	80.137.01	002
		04/2004	-	mitsubishi	80.890.05	038
	R 480 with DT 12.17 engine	09/2006	-	BOSCH	80.137.01	002
		09/2006	-	mitsubishi	80.890.05	038
	R 480 with DT 13.07 engine	09/2007	-	BOSCH	80.137.01	002
		09/2007	-	mitsubishi	80.890.05	038
Série T	T 340 with DC 11.08 engine	09/2004	10/2005	BOSCH	80.137.01	002
		09/2004	10/2005	mitsubishi	80.890.05	038
	T 380 with DC 11.09 engine	09/2004	10/2005	BOSCH	80.137.01	002
		09/2004	10/2005	mitsubishi	80.890.05	038
	T 420 with DC 12.11 engine	09/2004	10/2005	BOSCH	80.137.01	002
		09/2004	10/2005	mitsubishi	80.890.05	038
	T 420 with DC 12.14 engine	09/2004	10/2005	BOSCH	80.137.01	002



TABELA DE APLICAÇÃO

APPLICATION CHART

SCANIA		de /from	até /until	M.Part./Starter	ZM	Pag.
Série T	T 420 with DC 12.14 engine	09/2004	10/2005	MITSUBISHI	80.890.05	038
	T 470 with DC 12.06 engine	09/2004	10/2005	BOSCH	80.137.01	002
		09/2004	10/2005	MITSUBISHI	80.890.05	038
T114C/310	with DC 11.01 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.03 engine	03/1998	-	BOSCH	80.135.01	001
T114C/340	with DC 11.01 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.03 engine	03/1998	-	BOSCH	80.135.01	001
T114C/380	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
T114G/340	with DC 11.01 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.03 engine	03/1998	-	BOSCH	80.135.01	001
T114G/380	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
T114L/340	with DC 11.01 engine	-	-	BOSCH	80.135.01	001
	with DC 11.03 engine	-	-	BOSCH	80.135.01	001
T114L/380	with DC 11.02 engine	03/1998	-	BOSCH	80.135.01	001
	with DC 11.04 engine	03/1998	-	BOSCH	80.135.01	001
T124C/360	with DSC 12.02 engine	09/1995	-	BOSCH	80.135.01	001
T124C/400	with DSC 12.01 engine	05/1996	-	BOSCH	80.135.01	001
T124C/420	engine DC 12.01 engine	09/1997	-	BOSCH	80.135.01	001
	engine DSC 12.05 engine	09/1997	-	BOSCH	80.135.01	001
T124G/360	with DSC 12.02 engine	03/1997	-	BOSCH	80.135.01	001
T124G/400	with DSC 12.01 engine	03/1997	-	BOSCH	80.135.01	001
T124G/420	with DC 12.01 engine	09/1997	-	BOSCH	80.135.01	001
	with DSC 12.05 engine	09/1997	-	BOSCH	80.135.01	001
T124L/360	with DSC 12.02 engine	02/1997	-	BOSCH	80.135.01	001
T124L/400	with DSC 12.01 engine	02/1997	-	BOSCH	80.135.01	001
T124L/420	with DC 12.01 engine	09/1997	-	BOSCH	80.135.01	001
	with DSC 12.05 engine	09/1997	-	BOSCH	80.135.01	001
T124L/470	with DT 12.02 engine	01/2001	-	BOSCH	80.135.01	001
SEM		de /from	até /until	M.Part./Starter	ZM	Pag.
616B	Pá Carregadeira com motor 74Hp - YT0 YT4A2	-	-	ESPECIAIS	80.103.10	049
638	Pá Carregadeira com motor 123Hp - Cummins 6BT 5.9L	-	-	ESPECIAIS	80.103.11	049
SLC		de /from	até /until	M.Part./Starter	ZM	Pag.
6200	Turbo	02/1984	-	BOSCH	80.102.01	002
	Turbo com motor OM 352 A	02/1984	-	BOSCH	80.132.02	016
	com motor OM 352	02/1982	-	BOSCH	80.132.02	016
		07/1982	-	BOSCH	80.102.01	002
7200	Turbo	02/1984	-	BOSCH	80.102.01	002
	Turbo com motor OM 352 A	02/1984	10/1984	BOSCH	80.132.02	016
7700	Turbo	03/1993	-	BOSCH	80.102.01	002
	Turbo com motor OM 366 A	03/1993	03/2003	BOSCH	80.132.02	016
	Turbo com motor TD 299 EC-6	03/1993	03/2003	BOSCH	80.132.04	017
SSANGYONG		de /from	até /until	M.Part./Starter	ZM	Pag.
Korando	3.2i com motor M162.995 E32	07/1996	12/2005	BOSCH	80.110.02	010
Musso	3.2i com motor M16 E32	01/1996	12/2005	BOSCH	80.110.02	010
SUZUKI		de /from	até /until	M.Part./Starter	ZM	Pag.
Grand Vitara	2.0 TD	01/1998	12/2000	DENSO	80.140.01	028
Vitara	2.0 TD	01/1986	12/1998	DENSO	80.140.01	028
TEREX		de /from	até /until	M.Part./Starter	ZM	Pag.
33-05		-	-	DELCO REMY	80.456.03	027
72-21		-	-	DELCO REMY	80.456.03	027
72-21AA		-	-	DELCO REMY	80.456.03	027
72-31AA		-	-	DELCO REMY	80.456.03	027
72-31B		-	-	DELCO REMY	80.456.03	027
72-31F		-	-	DELCO REMY	80.456.03	027
72-31M		-	-	DELCO REMY	80.456.03	027
72-41		-	-	DELCO REMY	80.456.03	027



TABELA DE APLICAÇÃO

APPLICATION CHART

TEREX		de /fron	até /until	M.Part./Starter	ZM	Pag.
72-41AA		-	-	DELCO REMY	80.456.03	027
72-61		-	-	DELCO REMY	80.456.03	027
72-61AA		-	-	DELCO REMY	80.456.03	027
72-71		-	-	DELCO REMY	80.456.03	027
78SH		-	-	DELCO REMY	80.456.03	027
81 SH		-	-	DELCO REMY	80.456.01	027
82 SH		-	-	DELCO REMY	80.456.01	027
82-20		-	-	DELCO REMY	80.456.03	027
82-30		-	-	DELCO REMY	80.456.03	027
82-30B		-	-	DELCO REMY	80.456.03	027
82-30FAM		-	-	DELCO REMY	80.456.03	027
82-30FAT		-	-	DELCO REMY	80.456.03	027
82-30GA		-	-	DELCO REMY	80.456.03	027
82-40		-	-	DELCO REMY	80.456.03	027
82-40CA		-	-	DELCO REMY	80.456.03	027
82-40FAT		-	-	DELCO REMY	80.456.03	027
82-80		-	-	DELCO REMY	80.456.03	027
82-80DA		-	-	DELCO REMY	80.456.03	027
83 SH		-	-	DELCO REMY	80.456.01	027
84 SH		-	-	DELCO REMY	80.456.01	027
S 11E		-	-	DELCO REMY	80.456.01	027
S-23E		-	-	DELCO REMY	80.456.03	027
TS 14		-	-	DELCO REMY	80.456.01	027
TS 14B		-	-	DELCO REMY	80.456.01	027
TS-14B		-	-	DELCO REMY	80.456.03	027
TS-18		-	-	DELCO REMY	80.456.03	027
TS-24A		-	-	DELCO REMY	80.456.03	027
TS-32		-	-	DELCO REMY	80.456.03	027
TTS 14		-	-	DELCO REMY	80.456.01	027
TOYOTA		de /fron	até /until	M.Part./Starter	ZM	Pag.
Bandeirante	4x4 com motor OM314	10/1976	12/1990	BOSCH	80.132.02	016
	com motor OM 364	01/1991	03/1994	BOSCH	80.132.01	016
	with OM 364 engine	01/1991	03/1994	BOSCH	80.132.01	016
		01/1991	01/2001	BOSCH	80.102.02	003
Corolla	Sedan 1.6i 16V with 3ZZ-FE engine	05/2002	03/2008	BOSCH	80.110.06	011
	Sedan 1.8i 16V Flex with 1ZZ-FBE engine	05/2007	03/2008	BOSCH	80.110.06	011
	Sedan 1.8i 16V with 1ZZ-FE engine	05/2002	03/2008	BOSCH	80.110.06	011
	Wagon 1.8i 16V Flex with 1ZZ-FBE engine	05/2007	12/2008	BOSCH	80.110.06	011
	Wagon 1.8i 16V with 1ZZ-FE engine	05/2004	12/2007	BOSCH	80.110.06	011
Hilux	3.0 16V D Turbo Intercooler	03/2005	-	BOSCH	80.978.01	018
	3.0 16V D Turbo Intercooler 4x4 com motor 1KD-FTV	08/2005	-	BOSCH	80.978.01	018
	3.0 16V D Turbo Intercooler com motor 1KD-FTV	03/2005	-	BOSCH	80.978.01	018
	3.0 8V TD com motor O.M 1KZTE	08/2001	-	DENSO	80.140.03	028
Land Cruiser	3.0 8V TD com motor O.M 11KZTE	09/2002	08/2009	DENSO	80.140.03	028
TRAMONTINI		de /fron	até /until	M.Part./Starter	ZM	Pag.
Trator	T3230-4 Série Brasil	-	-	ESPECIAIS	80.130.07	049
	T5045 Série Brasil	-	-	ESPECIAIS	80.130.07	049
VALMET		de /fron	até /until	M.Part./Starter	ZM	Pag.
110 ID	com motor 225-6	12/1973	07/1977	BOSCH	80.102.17	004
	com motor MWM D 225-6	12/1973	-	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
118	com motor D 229-6	06/1981	-	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
118-4	com motor 229-6	06/1981	-	BOSCH	80.132.04	017
128	4x4 com motor D 229-6 VS	11/1983	07/2001	BOSCH	80.132.04	017
	com motor D 229-6 VS	11/1983	07/2001	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003



TABELA DE APLICAÇÃO

APPLICATION CHART

VALMET		de /from	até /until	M.Part./Starter	ZM	Pag.
138	Turbo com motor TD 229-6 TV	01/1980	-	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
138-4	Turbo com motor TD 229-6 VS	10/1982	-	BOSCH	80.132.04	017
148	4x4 com motor TD 229-6 VS	08/1977	10/1983	BOSCH	80.132.04	017
	Turbo com motor TD 229-6 TV	10/1982	-	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
62 ID	com motor D 225-3	12/1973	07/1977	BOSCH	80.102.17	004
		12/1973	05/1981	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
65 ID	com motor D 225-3	12/1973	07/1977	BOSCH	80.102.17	004
		12/1973	05/1981	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
68	Cafeeiro com motor D 229-3 VS	06/1981	-	BOSCH	80.132.04	017
	Especial com motor MWM D 229-3	06/1981	-	BOSCH	80.132.04	017
	com motor D 229-3 VS	06/1981	-	BOSCH	80.132.04	017
685	ECO com motor D 229-3 VB	07/1994	-	BOSCH	80.102.17	004
	com motor D 229-3 VA	08/1992	-	BOSCH	80.102.17	004
78	S com motor D 229-4	01/1985	-	BOSCH	80.132.04	017
	VE com motor D 229-4	01/1985	-	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
85 ID	com motor 225-4	12/1973	05/1981	BOSCH	80.102.17	004
	com motor MWM D 225-4	08/1977	05/1981	BOSCH	80.132.04	017
88	com motor 229-4	06/1981	06/1996	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
880	com motor D 229-4	01/1986	01/2001	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
980	4x4 Turbo com motor TD 229-4	02/1986	02/2001	BOSCH	80.132.04	017
		-	-	BOSCH	80.102.04	003
BT 210	with Sisu 634DSA 6 Cil. engine	08/2009	-	ISKRA	80.825.04	035
BT150	with Sisu 620DS 6 Cil. 150HP 6.6L engine	08/2009	-	ISKRA	80.825.04	035
BT170	with Sisu 620DS 6 Cil. 170HP 6.6L engine	08/2009	-	ISKRA	80.825.04	035
BT190	with Sisu 620DSA 6 Cil. 190HP 6.6L engine	08/2009	-	ISKRA	80.825.04	035
VALTRA		de /from	até /until	M.Part./Starter	ZM	Pag.
6200	with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
6250	with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
6300	with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
6350HI	with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
6400	with 420D WRE/44ET 4.4L engine	-	-	ISKRA	80.825.03	034
6550	with 44ET 4.4L engine	-	-	ISKRA	80.825.03	034
6850	with 44EWI 4.4L engine	-	-	ISKRA	80.825.03	034
A750L	with Sisu 4200 4Cil. engine	08/2009	-	ISKRA	80.825.03	034
A9350	with Sisu 420DS 4 Cil. 4.4L engine	-	-	ISKRA	80.825.03	034
A950	F with Sisu 320DS 3 Cil. 95HP 3.3L engine	-	-	ISKRA	80.825.03	034
	with Sisu 420DS 4Cil. 96HP 4.4L engine	-	-	ISKRA	80.825.03	034
A990	with Sisu 420DS 4Cil. engine	08/2009	-	ISKRA	80.825.03	034
BC4500	R with Sisu 620DSR 6Cil. 200HP 6.6L engine	-	-	ISKRA	80.825.03	034
	with Sisu 620DSR 6 Cil. 200HP 6.6L engine	03/2008	-	ISKRA	80.825.03	034
BH135i	with Sisu 420DSA 4 Cil. 137HP 4.4L engine	-	-	ISKRA	80.825.03	034
BH145	with Sisu 620DS 6 Cil. 153HP 6.6L engine	03/2008	-	ISKRA	80.825.03	034
BH165	with Sisu 620DS 6Cil. 174HP 6.6L engine	03/2008	-	ISKRA	80.825.03	034
BH180	with Sisu 620DS 6Cil. 189HP 6.6L engine	03/2008	-	ISKRA	80.825.03	034
BH185i	with Sisu 620DSA 6 Cil. engine	03/2008	-	ISKRA	80.825.03	034
BH200	with Sisu 620DS 6 Cil. 200HP 6.6L engine	-	-	ISKRA	80.825.03	034
BH205i	with Sisu 620DSA 6 Cil. engine	07/2008	-	ISKRA	80.825.03	034
BH210i	with Sisu 620DS 6 Cil. 210HP 6.6L engine	-	-	ISKRA	80.825.03	034
BM	100 with Sisu 420DR 4Cil. 106HP 4.4L engine	-	-	ISKRA	80.825.03	034
	100 with Sisu 420DS 4 Cil. 106HP 4.4L engine	03/2008	-	ISKRA	80.825.03	034



VALTRA		de /from	até /until	M.Part./Starter	ZM	Pag.
BM	110 with Sisu 420DS 4 Cil. 116HP 4.4L engine	03/2008	-	ISKRA	80.825.03	034
	125i with Sisu 420DS 4 Cil. 132HP 4.4L engine	03/2008	-	ISKRA	80.825.03	034
Serie A	A85 4WD with 44DTA Stage 3A 88HP 4.4L engine	-	-	ISKRA	80.825.03	034
	A85L with 44DT 33DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	A85L with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
	A85N with 44DT 33DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	A85N with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
	A95L with 44DT 33DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	A95N with 44DT 33DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	A95wd with 44DTA Stage 3A 101HP 4.4L engine	-	-	ISKRA	80.825.03	034
Serie N	N101 with 44DT DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	N101C/H with 44DTA Stage 3A 101HP 4.4L engine	-	-	ISKRA	80.825.03	034
	N103 with 33AWI 4 Cil. Stage 3A 111HP engine	-	-	ISKRA	80.825.03	034
	N103.4 HiTech 5 with 44AWI 4 Cil. 82Kw 4.4L engine	-	-	ISKRA	80.825.03	034
	N103.4 HiTech with 44AWI 4 Cil. 82Kw 4.4L engine	-	-	ISKRA	80.825.03	034
	N111 with 44DT DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	N111E/C/H/LS with 44EWA/DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	N113 with 44AWI 4V Stage 3A 124HP 4.4L engine	-	-	ISKRA	80.825.03	034
	N121H/LS with 44CWA 4.4L engine	-	-	ISKRA	80.825.03	034
	N123 HiTech with 44AWI 4V Stage 3A 99Kw 4.4L engine	-	-	ISKRA	80.825.03	034
	N123 Versu with 49AWI 4 Cil. 99Kw 4.4L engine	-	-	ISKRA	80.825.03	034
	N141H/LS with 49CWA 4 Cil. Stage 3A 150HP 4.9L engine	-	-	ISKRA	80.825.03	034
	N143 Hi Tech 49AWI 4 Cil. 99Kw 4.9L engine	-	-	ISKRA	80.825.03	034
	N143 Versu with 49AW 4 Cil. 99KW 4.9L engine	-	-	ISKRA	80.825.03	034
	N143/143D with 49AWI 4V Stage 3A 112Kw 4.9L engine	-	-	ISKRA	80.825.03	034
	N163 Versu with 49AWI 4 Cil. 99KW 4.9L engine	-	-	ISKRA	80.825.03	034
	N163/163D with 49AWI 4V Stage 3A 120Kw 4.9L engine	-	-	ISKRA	80.825.03	034
	N82 with 44DTA Stage 3A 88HP 4.4L engine	-	-	ISKRA	80.825.03	034
	N91 with 44DT DTA 4.4L engine	-	-	ISKRA	80.825.03	034
	N91C/H with 44DT 4.4L engine	-	-	ISKRA	80.825.03	034
	N92 with 44DTA Stage 3A 101HP 4.4L engine	-	-	ISKRA	80.825.03	034
	N93 with 33AWI 4 Cil. Stage 3A 99HP engine	-	-	ISKRA	80.825.03	034
Serie S	S233 with 84AWI 4V SCR(E3) 270HP 8.4L engine	-	-	ISKRA	80.825.03	034
	S260 with 645D S DAE 8.4L engine	-	-	ISKRA	80.825.03	034
	S263 with 84AWI 4V SCR(E3) 295HP 8.4L engine	-	-	ISKRA	80.825.03	034
	S280 with 84ETA 8.4L engine	-	-	ISKRA	80.825.03	034
	S293 with 84AWI 4V SCR (E3) 320HP 8.4L engine	-	-	ISKRA	80.825.03	034
	S323 with 84AWI 4V SCR (E3) 350HP 8.4L engine	-	-	ISKRA	80.825.03	034
	S353 with 84AWI 4V SCR (E3) 370HP 8.4L engine	-	-	ISKRA	80.825.03	034
Serie T	T121 4WD with 66CTA 4V Stage 3A 98KW 6.6L engine	-	-	ISKRA	80.825.03	034
	T131 4WD with 66CTA 4V Stage 3A 98KW 6.6L engine	-	-	ISKRA	80.825.03	034
	T133 with 66AWI 4V Stage 3A 112KW 6.6L engine	-	-	ISKRA	80.825.03	034
	T133H with 66AWI 4V Stage 3A 112KW 6.6L engine	-	-	ISKRA	80.825.03	034
	T151 with 66CTA 4V Stage 3A 114Kw 6.6L engine	-	-	ISKRA	80.825.03	034
	T153 Hi Tech with 66AWI 4V Stage 3A 114Kw 6.6L engine	-	-	ISKRA	80.825.03	034
	T153 Versu with 66AWI 4V Stage 3A 114Kw 6.6L engine	-	-	ISKRA	80.825.03	034
	T153 with 66AWI 4V Stage 3A 114Kw 6.6L engine	-	-	ISKRA	80.825.03	034
	T153D with 66AWI Stage 3A 114KW 6.6L engine	-	-	ISKRA	80.825.03	034
	T161 4WD with 66CTA 4V Stage 3A 125Kw 6.6L engine	-	-	ISKRA	80.825.03	034
	T163E Versu with 74AWI 4V Stage 3A 125KW 7.4L engine	-	-	ISKRA	80.825.03	034
	T163E with 74AW 4V Stage 3A 125Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T163ED with 74AW 4V Stage 3A 125Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T173 Hi Tech with 74AWI 4V Stage 3A 132Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T183 Versu with 74AWI 4V Stage 3A 138Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T183 with 74AWI 4V Stage 3A 138Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T183D with 74AWI 4V Stage 3A 138Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T191 4WD 74CTA 4V Stage 3A 185HP 7.4L engine	-	-	ISKRA	80.825.03	034
	T193 with 74AWI 4V Stage 3A 155Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T203D with 74AWI 4V Stage 3A 150Kw 7.4L engine	-	-	ISKRA	80.825.03	034



TABELA DE APLICAÇÃO

APPLICATION CHART

VALTRA		de /fron	até /until	M.Part./Starter	ZM	Pag.
Serie T	T203T with 74AWI 4V Stage 3A 150Kw 7.4L engine	-	-	ISKRA	80.825.03	034
	T213 Versu with 74AWI 4V Stage 3A 158Kw 7.4L engine	-	-	ISKRA	80.825.03	034
X120	with 4200WRIE 4.4L engine	01/1999	-	ISKRA	80.825.03	034
VOLKSWAGEN		de /fron	até /until	M.Part./Starter	ZM	Pag.
10-150	E com motor Cummins ISB Interact 6	06/2009	-	DELCO REMY	80.291.04	025
	E com motor Cummins ISB 4 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	E com motor Cummins ISB 6 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
12.140 T		06/1997	02/2000	BOSCH	80.102.07	004
12.170 BT	com motor 6BTAA	04/1997	02/2000	BOSCH	80.132.06	017
		06/1997	02/2000	BOSCH	80.102.06	004
12.180		06/1990	02/2000	BOSCH	80.102.07	004
13.150	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	041
		01/2000	-	BOSCH	80.102.07	004
13.170	com motor 6BTAA	01/2000	10/2001	BOSCH	80.132.06	017
		03/2000	10/2001	BOSCH	80.102.06	004
13.180	E com motor Cummins ISB Interact 6	06/2009	-	DELCO REMY	80.291.04	025
	E com motor Cummins ISB 4 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	E com motor Cummins ISB 6 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	Euro II e III mecânico com motor MWM 6.10 TCA	-	-	DELCO REMY	80.290.02	023
	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	041
	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
		03/2000	-	BOSCH	80.102.07	004
13.190	com motor 6BTAA	10/2001	-	BOSCH	80.132.06	017
	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	040
		10/2001	-	BOSCH	80.102.06	004
14.140	4x2 Motor MWM D 229 6 cil.	01/1987	12/1989	BOSCH	80.102.04	003
14.150		07/1991	02/2000	BOSCH	80.102.07	004
14.170	BT com motor 6 BTAA	04/1997	02/2000	BOSCH	80.132.06	017
14.170 BT		06/1997	02/2000	BOSCH	80.102.06	004
14.180		11/1999	02/2000	BOSCH	80.102.07	004
14.200		07/1991	07/1994	BOSCH	80.102.07	004
15.170	com motor 6BTAA	01/2000	10/2001	BOSCH	80.132.06	017
		03/2000	10/2001	BOSCH	80.102.06	004
15.180	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	041
	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
		01/2000	12/2001	BOSCH	80.102.07	004
15.190	4x2 Motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	040
	E com motor Cummins ISB Interact 6	06/2009	-	DELCO REMY	80.291.04	025
	E com motor Cummins ISB 4 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	E com motor Cummins ISB 6 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	EOD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
	com motor 6 BTAA	11/2001	12/2001	BOSCH	80.132.06	017
	com motor Cummins ISB Interact 4	-	06/2009	DELCO REMY	80.290.03	023
16.170	BT	05/1993	02/2000	BOSCH	80.102.06	004
	BT com motor 6 BTAA TB	05/1993	12/1995	BOSCH	80.132.06	017
		05/1993	02/2000	BOSCH	80.102.06	004
16.180	CO com motor 6.10	03/1993	06/1997	BOSCH	80.103.03	006
		03/1993	06/1997	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
16.200	4x2 Motor Cummins 6 BTAA TB	11/1997	02/2000	BOSCH	80.132.06	017
		05/1993	02/2000	BOSCH	80.102.06	004
16.210	CO com motor 6.10 TCA	06/1997	08/2001	BOSCH	80.103.03	006
		06/1997	08/2001	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
17.180	Euro II e III mecânico com motor MWM 6.10 TCA	-	-	DELCO REMY	80.290.02	023
17.210	4x2 Motor MWM 6.10 TCA 6 cil.	-	-	PRESTOLITE	80.480.05	041



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
17.210	EOD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
	OD com motor 6.10 TCA	07/2001	-	BOSCH	80.103.03	006
		07/2001	-	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
	com motor Cummins 6BTAA 5.9 litros	01/2000	12/2005	BOSCH	80.132.06	017
		-	-	PRESTOLITE	80.480.03	040
	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
		01/2000	-	BOSCH	80.102.06	004
		11/2000	12/2005	BOSCH	80.102.07	004
17.220	E com motor Cummins 6B Eletronico 5.9L	-	-	PRESTOLITE	80.485.05	046
	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
17.230	EOD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
	Utronic com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
17.240	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
17.240 OT	com motor 6.10 TCA	03/2001	-	BOSCH	80.103.03	006
		03/2001	-	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
17.250	E com motor Cummins ISB Interact 6	10/2009	-	DELCO REMY	80.291.04	025
	E com motor Cummins ISB 4 Cil.	-	09/2009	PRESTOLITE	80.485.05	046
	E com motor Cummins ISB 6 Cil.	-	09/2009	PRESTOLITE	80.485.05	046
	com motor Cummins ISB Interact 6	-	06/2009	DELCO REMY	80.290.03	023
17.260	OD com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
	Utronic com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
17.280	Man Constellation	-	-	mitsubishi	80.895.02	037
17.310	4x2 Motor Cummins 6CTAA 8.3 6 cil.	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
17.320 E	com motor Cummins	-	-	DELCO REMY	80.380.01	026
18.310 Constellation	com motor Cummins ISC 8,3L	-	-	DELCO REMY	80.380.01	026
18.310 Titan Tractor	com motor Cummins ISC 8.3L	-	-	DELCO REMY	80.380.01	026
		-	-	DELCO REMY	80.450.02	026
		-	-	PRESTOLITE	80.481.01	044
18.320 EVO	com motor Cummins	-	-	DELCO REMY	80.380.01	026
19.320 Constellation	com motor Cummins ISC 8,3L	-	-	DELCO REMY	80.380.01	026
19.360 E	com motor Cummins	-	-	DELCO REMY	80.380.01	026
19.370	com motor International 9.3 litros	-	-	DELCO REMY	80.380.01	026
23.210	com motor Cummins 6BTAA 5.9 litros	-	-	PRESTOLITE	80.480.03	040
	com motor Cummins 6CTAA 8.3 Litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
	com motor MWM serie 10 6.10 TCA 6.4 litros	-	-	PRESTOLITE	80.480.05	041
23.220	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
23.310	6x2 Motor Cummins 6CTAA 8.3 6 cil.	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
24.220	com motor Cummins 6CTAA 8.3 Litros	-	-	DELCO REMY	80.380.03	026
	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	025
24.250	E com motor Cummins ISB Interact 6	-	-	DELCO REMY	80.291.04	025
	E com motor Cummins ISB 4 Cil.	-	09/2009	PRESTOLITE	80.485.05	046
	E com motor Cummins ISB 6 Cil.	-	09/2009	PRESTOLITE	80.485.05	046
	com motor Cummins ISB Interact 6	-	06/2009	DELCO REMY	80.290.03	023
24.280	Man Constellation	-	-	mitsubishi	80.895.02	037
24.320 E	com motor Cummins	-	-	DELCO REMY	80.380.01	026



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
25.320 E	com motor Cummins	-	-	DELCO REMY	80.380.01	026
25.370	com motor International 9.3 litros	-	-	DELCO REMY	80.380.01	026
25.370 E	com motor Cummins	-	-	DELCO REMY	80.380.01	026
26.220	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
26.250	E com motor Cummins 6B eletrônico 5.9 litros	-	-	PRESTOLITE	80.485.05	046
26.260	E com motor eletrônico Acteon 6.12 TCE com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.291.03	025
		-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
26.310	com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.03	026
		-	-	DELCO REMY	80.450.01	025
		-	-	PRESTOLITE	80.481.01	044
31.260	com motor MWM Eletrônico 4 e 6 Cilindros	-	-	mitsubishi	80.890.03	038
31.260E	com motor eletrônico Acteon 6.12 TCE	-	-	DELCO REMY	80.291.03	025
31.370	com motor International 9.3 litros	-	-	DELCO REMY	80.380.01	026
40.300	com motor Cummins 6CTAA 8.3 Litros	-	-	PRESTOLITE	80.481.01	044
5-140E	Delivery com motor 4.08 TCE	-	-	PRESTOLITE	80.480.16	043
7-120		03/2002	-	BOSCH	80.102.07	004
7.10	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	041
7.100		03/1994	02/2002	BOSCH	80.102.07	004
8-100		03/1997	02/2000	BOSCH	80.102.07	004
8-120 OD	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
8-150	Delivery com motor MWM 3.0L 4 Cil	-	-	PRESTOLITE	80.480.16	043
	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
	FEB com motor Cummins ISB Interact 4	-	-	DELCO REMY	80.291.04	025
	OD com motor 4.10 TCA	01/2001	-	BOSCH	80.102.07	004
	ODC com motor Cummins ISB Interact 4	-	-	DELCO REMY	80.291.04	025
	ODC com motor Cummins ISB 4 Cil.	-	-	PRESTOLITE	80.485.05	046
	ODC com motor Cummins ISB 6 Cil.	-	-	PRESTOLITE	80.485.05	046
	ODM Delivery com motor eletrônico Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	ODM com motor eletrônico Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	com motor Cummins ISB Interact 4	-	06/2009	DELCO REMY	80.290.03	023
		06/2009	-	DELCO REMY	80.291.04	025
	com motor Cummins ISB 4 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	com motor Cummins ISB 6 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	041
		03/2000	-	BOSCH	80.102.07	004
8.120	Delivery com motor MWM 3.0L 4 Cil	-	-	PRESTOLITE	80.480.16	043
	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
	com motor MWM serie 10 4.10 TCA 4.2 litros	-	-	PRESTOLITE	80.480.05	041
		10/2001	-	BOSCH	80.102.07	004
8.140	CO/CE com motor 4.10 T	04/1994	01/2001	BOSCH	80.102.07	004
		03/1994	02/2000	BOSCH	80.102.07	004
9.150	Delivery com motor MWM 3.0L 4 Cil	-	-	PRESTOLITE	80.480.16	043
	E com motor Cummins ISB Interact 4	07/2009	-	DELCO REMY	80.291.04	025
	E com motor Cummins ISB 4 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	E com motor Cummins ISB 6 Cil.	-	07/2009	PRESTOLITE	80.485.05	046
	EOD com motor eletrônico MWM Acteon 4.12 TCE	-	-	DELCO REMY	80.291.03	025
	Euro II e III mecânico com motor MWM 4.10 TCA	-	-	DELCO REMY	80.290.02	023
	OD com motor MWM 4.10 TCA	11/2000	-	BOSCH	80.102.07	004
	ODC com motor Cummins ISB Interact 4	-	-	DELCO REMY	80.291.04	025
	ODC com motor Cummins ISB 4 Cil.	-	-	PRESTOLITE	80.485.05	046
	ODC com motor Cummins ISB 6 Cil.	-	-	PRESTOLITE	80.485.05	046
Brasília	1.3 com motor BK	01/1980	12/1982	BOSCH	80.106.01	007
		10/1973	12/1981	BOSCH	80.106.07	009
	1.6 com motor BN	10/1973	12/1982	BOSCH	80.106.01	007



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
Brasília	1.6 com motor BN	10/1973	12/1982	BOSCH	80.106.07	009
Caddy	1.6 com motor UVC	08/1998	-	BOSCH	80.110.01	009
Constellation 31.320	com motor Cummins ISC 8,3L	-	-	DELCO REMY	80.380.01	026
CrossFox	com motor 1.6 BAH	08/2005	-	BOSCH	80.125.02	012
	com motor 1.6 Total Flex BPA	04/2005	04/2008	BOSCH	80.125.02	012
	com motor 1.6 Total Flex CCRA	05/2008	11/2009	BOSCH	80.125.02	012
Fox	1.0 com motor AQZ	10/2003	04/2005	BOSCH	80.125.02	012
	1.0 com motor BJE	10/2003	04/2005	BOSCH	80.125.02	012
	1.0 com motor BNX	05/2005	04/2008	BOSCH	80.125.02	012
	1.0 com motor CCNA	05/2008	11/2009	BOSCH	80.125.02	012
	com motor 1.6 BAH	10/2003	10/2004	BOSCH	80.125.02	012
	com motor 1.6 Total Flex BJA	10/2003	01/2005	BOSCH	80.125.02	012
	com motor 1.6 Total Flex BPA	02/2005	07/2008	BOSCH	80.125.02	012
	com motor 1.6 Total Flex CCRA	08/2008	10/2009	BOSCH	80.125.02	012
		01/1991	12/1993	BOSCH	80.106.04	008
Fusca	1.6	10/1986	01/1989	BOSCH	80.106.01	007
	1.6 com motor UFA	08/1993	06/1996	BOSCH	80.106.01	007
		09/1983	06/1996	BOSCH	80.115.05	012
	1.6 com motor UJ	01/1984	10/1986	BOSCH	80.106.01	007
	1.6 com motor UF	01/1984	10/1986	BOSCH	80.106.01	007
	1.6 com motor UJA	08/1993	06/1996	BOSCH	80.106.01	007
		08/1993	06/1996	BOSCH	80.115.05	012
	1300 1.3	01/1974	12/1979	BOSCH	80.106.07	009
	1300 com motor BK	01/1980	12/1986	BOSCH	80.106.01	007
	1300 com motor BY	01/1968	12/1986	BOSCH	80.106.01	007
	1500 1.5	10/1970	10/1975	BOSCH	80.106.07	009
	1500 com motor BH	10/1970	10/1975	BOSCH	80.106.01	007
	1600	08/1993	06/1996	BOSCH	80.106.07	009
		01/1969	07/1982	BOSCH	80.106.07	009
		01/1989	10/1986	BOSCH	80.106.07	009
	1600 (México)	05/1973	09/1992	BOSCH	80.106.07	009
	1600 com motor BA	01/1969	12/1971	BOSCH	80.106.01	007
	1600 com motor BD	01/1974	12/1986	BOSCH	80.106.01	007
	1600 com motor UJ	01/1981	12/1986	BOSCH	80.106.01	007
	1600i (México)	10/1992	07/2003	BOSCH	80.106.07	009
GR1600		02/1988	05/1993	BOSCH	80.106.07	009
Gol	1.3	05/1980	09/1981	BOSCH	80.106.07	009
	1.6	07/1982	08/1986	BOSCH	80.106.07	009
	1.6 AP	01/1987	-	BOSCH	80.106.08	009
	1.8	02/1984	08/1987	BOSCH	80.106.04	008
	2.0 GTI com motor UQA	11/1988	08/1994	BOSCH	80.106.04	008
	I 1.3 com motor BM	05/1980	09/1981	BOSCH	80.106.01	007
	I 1.3 com motor BY	05/1980	09/1981	BOSCH	80.106.01	007
	I 1.6 com motor BP	07/1982	08/1986	BOSCH	80.106.01	007
	I 1.6 com motor BW	07/1985	10/1989	BOSCH	80.106.08	009
	I 1.6 com motor UH	07/1982	08/1986	BOSCH	80.106.01	007
	I 1.6 com motor UN	07/1985	12/1994	BOSCH	80.106.08	009
	I 1.6 com motor UP	06/1993	12/1994	BOSCH	80.106.08	009
	I 1.8	09/1987	05/1994	BOSCH	80.106.04	008
	I 1.8 com motor UDD	02/1984	05/1994	BOSCH	80.106.04	008
	I 1.8 com motor UED	02/1984	05/1994	BOSCH	80.106.04	008
	I 2.0 GTI	11/1985	08/1994	BOSCH	80.106.04	008
	II 1.0 Mi	09/1998	05/2002	BOSCH	80.125.01	012
	II 1.0 Mi 16V com motor AZP	09/1997	04/1999	BOSCH	80.125.01	012
	II 1.0 Mi com motor AFZ	05/1999	08/2005	BOSCH	80.125.01	012
	II 1.0 Mi com motor ASF	05/1999	08/2005	BOSCH	80.125.01	012
	II 1.0 Mi com motor AZN	12/1996	04/1999	BOSCH	80.125.01	012
	II 1.8 Mi com motor UDD	06/1994	01/1997	BOSCH	80.120.01	012
	II 1.8i com motor UED	06/1994	01/1997	BOSCH	80.120.01	012



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
Gol	II 2.0	06/1994	01/1997	BOSCH	80.120.01	012
	II 2.0Mi	06/1994	01/1997	BOSCH	80.120.01	012
	II Special 1.0 Mi com motor AFZ	05/1999	08/2005	BOSCH	80.125.01	012
	II Special 1.0 Mi com motor ASF	05/1999	08/2005	BOSCH	80.125.01	012
	III 1.0 16V Turbo	06/2000	05/2002	BOSCH	80.125.01	012
	III 1.0 Mi	09/1999	-	BOSCH	80.125.01	012
	III 1.0 Mi 16V Turbo com motor ASW	06/2000	05/2003	BOSCH	80.125.01	012
	III 1.0 Mi 16V com motor AZP	05/1999	08/2005	BOSCH	80.125.01	012
	III 1.0 Mi Total com motor BTY	03/2005	07/2006	BOSCH	80.125.01	012
	III 1.0 Mi com motor ASF	05/1999	08/2005	BOSCH	80.125.01	012
	III 1.0 Mi com motor AZN	05/1999	02/2005	BOSCH	80.125.01	012
	III 1.0Mi 16V	05/1999	05/2002	BOSCH	80.125.01	012
	IV 1.0 Total Flex com motor BNW	10/2005	04/2010	BOSCH	80.125.01	012
	IV 1.0 Total Flex com motor BTY	08/2005	09/2005	BOSCH	80.125.01	012
	IV 1.0 com motor AZN	08/2005	06/2008	BOSCH	80.125.01	012
	V 1.0 com motor CCNA	07/2008	07/2012	BOSCH	80.125.02	012
	V com motor 1.6 Total Flex CCRA	07/2008	07/2012	BOSCH	80.125.02	012
Golf	IV com motor 1.6 Total Flex BJA	03/2006	03/2007	BOSCH	80.125.02	012
	IV com motor 1.6 Total Flex BPA	04/2007	04/2008	BOSCH	80.125.02	012
	IV com motor 1.6 Total Flex CCRA	05/2008	-	BOSCH	80.125.02	012
Inca	1.6 EFI	11/1998	05/2001	BOSCH	80.110.01	009
Karman Ghia	1600	01/1970	07/1974	BOSCH	80.106.07	009
	1600 com motor BB	01/1970	12/1972	BOSCH	80.106.01	007
Kombi	1.3 com motor BK	11/1980	11/1981	BOSCH	80.106.01	007
	1.4 Total Flex BJT	01/2006	-	BOSCH	80.115.05	012
	1.5 com motor BH	01/1967	09/1975	BOSCH	80.106.01	007
	1.6 Mi UGA	01/1997	12/2005	BOSCH	80.115.05	012
	1.6 Mi UKA	02/1998	12/2005	BOSCH	80.115.05	012
	1.6 com motor UG	01/1984	12/1997	BOSCH	80.106.01	007
		01/1984	12/1997	BOSCH	80.106.07	009
	1.6 com motor UK	01/1989	01/1998	BOSCH	80.106.01	007
		01/1989	01/1998	BOSCH	80.106.07	009
	1.6i com motor UGA	01/1998	-	BOSCH	80.106.07	009
	1.6i com motor UKA	11/1997	-	BOSCH	80.106.01	007
		11/1997	-	BOSCH	80.106.07	009
L 80	com motor MWM 4.3	08/1996	-	BOSCH	80.103.03	006
		08/1996	-	BOSCH	80.103.06	007
		-	-	PRESTOLITE	80.485.02	045
Logus	1.6	01/1993	10/1994	BOSCH	80.110.01	009
	1.6 com motor UW	01/1993	10/1994	BOSCH	80.110.01	009
	1.6 com motor UX	01/1993	10/1994	BOSCH	80.110.01	009
	1.6i	10/1994	12/1996	BOSCH	80.110.01	009
	1.6i com motor UVA	10/1994	12/1996	BOSCH	80.110.01	009
	1.6i com motor UVZ	04/1995	12/1996	BOSCH	80.110.01	009
	1.8	12/1992	05/1994	BOSCH	80.110.01	009
	1.8 com motor USB	12/1992	05/1994	BOSCH	80.110.01	009
	1.8 com motor UTB	12/1992	05/1993	BOSCH	80.110.01	009
	1.8i	10/1994	12/1996	BOSCH	80.110.01	009
	1.8i com motor USC	10/1994	12/1996	BOSCH	80.110.01	009
	1.8i com motor UTC	10/1994	12/1996	BOSCH	80.110.01	009
	2.0	12/1992	06/1994	BOSCH	80.110.01	009
	2.0 Mi	12/1992	12/1996	BOSCH	80.110.01	009
	2.0 com motor ULA	12/1992	06/1994	BOSCH	80.110.01	009
	2.0 com motor UTB	12/1992	06/1994	BOSCH	80.110.01	009
	2.0i com motor ULA	12/1992	06/1994	BOSCH	80.110.01	009
	2.0i com motor ULB	10/1994	12/1996	BOSCH	80.110.01	009
	2.0i com motor UUA	10/1994	12/1996	BOSCH	80.110.01	009
Man Delivery	5.150 com motor Cumins ISF (Euro V) 3.8L	01/2012	-	DELCO REMY	80.290.04	024
	8.160 com motor Cumins ISF (Euro V) 3.8L	01/2012	-	DELCO REMY	80.290.04	024



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
Man Delivery	9.160 com motor Cumins ISF (Euro V) 3.8L	01/2012	-	DELCO REMY	80.290.04	024
Parati	1.6	06/1993	02/2005	BOSCH	80.120.01	012
	1.6 AP	01/1987	-	BOSCH	80.106.08	009
	1.8	06/1993	02/2005	BOSCH	80.120.01	012
	2.0Mi	10/1996	-	BOSCH	80.120.01	012
	I 1.6 com motor BW	12/1982	10/1989	BOSCH	80.106.08	009
	I 1.6 com motor UC	12/1982	10/1989	BOSCH	80.106.08	009
	I 1.6 com motor UN	06/1993	12/1995	BOSCH	80.106.08	009
	I 1.6 com motor UP	06/1993	12/1995	BOSCH	80.106.08	009
	I 1.8	11/1989	12/1995	BOSCH	80.106.04	008
	I 1.8 com motor UD	11/1989	12/1995	BOSCH	80.106.04	008
	I 1.8 com motor UE	09/1988	12/1995	BOSCH	80.106.04	008
	II 1.0 Mi 16V	08/1997	-	BOSCH	80.125.01	012
	II 1.0 Mi 16V com motor AZP	08/1997	04/1999	BOSCH	80.125.01	012
	II 1.8 Mi com motor UDD	10/1996	-	BOSCH	80.120.01	012
	II 1.8Mi	06/1993	02/2005	BOSCH	80.120.01	012
	II 2.0Mi	06/1993	02/2005	BOSCH	80.120.01	012
	III 1.0 16V Turbo	06/2000	-	BOSCH	80.125.01	012
	III 1.0 16V Turbo com motor ASW	06/2000	07/2004	BOSCH	80.125.01	012
	III 1.0 Mi 16V	05/1999	-	BOSCH	80.125.01	012
	III 1.0 Mi 16V com motor AZP	05/1999	09/2003	BOSCH	80.125.01	012
	III 1.8 Mi com motor UDD	10/1996	-	BOSCH	80.120.01	012
	III 1.8Mi	06/1993	02/2005	BOSCH	80.120.01	012
	III 2.0 Mi	10/1996	-	BOSCH	80.120.01	012
Passat	1.5L	08/1979	07/1982	BOSCH	80.106.08	009
	1.6L	05/1982	12/1983	BOSCH	80.106.08	009
	1.6L com motor UN	05/1982	06/1989	BOSCH	80.106.08	009
	1.6L com motor UP	05/1982	06/1989	BOSCH	80.106.08	009
	1.8L com motor UD	08/1984	06/1989	BOSCH	80.106.04	008
	1.8L com motor UE	08/1984	06/1989	BOSCH	80.106.04	008
		01/1980	12/1988	BOSCH	80.106.04	008
Pointer	1.8	11/1993	06/1994	BOSCH	80.110.01	009
	1.8 com motor USB	11/1993	06/1994	BOSCH	80.110.01	009
	1.8 com motor UTB	11/1993	06/1994	BOSCH	80.110.01	009
	1.8i	05/1994	12/1996	BOSCH	80.110.01	009
	1.8i com motor USC	06/1994	12/1996	BOSCH	80.110.01	009
	1.8i com motor UTC	05/1994	12/1996	BOSCH	80.110.01	009
	2.0	11/1993	10/1994	BOSCH	80.110.01	009
	2.0 Mi	05/1994	12/1996	BOSCH	80.110.01	009
	2.0 com motor ULA	11/1993	06/1994	BOSCH	80.110.01	009
	2.0 com motor UTB	11/1993	10/1994	BOSCH	80.110.01	009
	2.0i com motot ULA	11/1993	04/1994	BOSCH	80.110.01	009
	2.0i com motot ULB	05/1994	12/1996	BOSCH	80.110.01	009
	2.0i com motot UUA	10/1994	12/1996	BOSCH	80.110.01	009
Polo	1.6 com motor BAH	05/2002	07/2006	BOSCH	80.125.02	012
	com motor 1.6 Total Flex BPA	12/2004	07/2006	BOSCH	80.125.02	012
	com motor 1.6 Total Flex CCRA	05/2008	-	BOSCH	80.125.02	012
Polo Classic	1.6 Mi com motor UVB	07/1996	05/1998	BOSCH	80.110.01	009
	1.6 Mi com motor UVC	06/1998	12/2003	BOSCH	80.110.01	009
	1.8 Mi com motor USD	07/1997	05/1998	BOSCH	80.110.01	009
	1.8 Mi com motor USE	06/1998	12/2003	BOSCH	80.110.01	009
	1.8 Mi com motor USF	06/1998	12/2003	BOSCH	80.110.01	009
	1.9 SD com motor 1Y	05/1996	-	BOSCH	80.110.01	009
Polo Sedan	com motor 1.6 BAH	11/2002	07/2006	BOSCH	80.125.02	012
	com motor 1.6 Total Flex CCRA	05/2008	-	BOSCH	80.125.02	012
	com motor 1.6 Total Flex BPA	12/2004	04/2008	BOSCH	80.125.02	012
Quantum	1.8	09/1985	12/1996	BOSCH	80.106.04	008
		03/1993	02/2005	BOSCH	80.120.01	012
	1.8 Mi com motor UDE	03/1993	02/2005	BOSCH	80.120.01	012



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /from	até /until	M.Part./Starter	ZM	Pag.
Quantum	1.8 Mi com motor UDJ	02/1998	-	BOSCH	80.120.01	012
	1.8 com motor UD	09/1985	01/1993	BOSCH	80.106.04	008
	1.8 com motor UE	09/1985	03/1994	BOSCH	80.106.04	008
	1.8i	09/1985	12/1996	BOSCH	80.106.04	008
	1.8i com motor UDB	03/1993	09/1996	BOSCH	80.106.04	008
	2.0 Mi	03/1993	02/2005	BOSCH	80.120.01	012
	2.0 Mi com motor UDJ	02/1998	-	BOSCH	80.120.01	012
	2.0 com motor UQ	09/1985	08/1993	BOSCH	80.106.04	008
	2.0 com motor UR	09/1985	08/1994	BOSCH	80.106.04	008
	2.0i	03/1993	02/2005	BOSCH	80.120.01	012
	2.0i com motor UQB	01/1992	08/1993	BOSCH	80.106.04	008
	2.0i com motor UQC	09/1993	09/1996	BOSCH	80.106.04	008
		03/1993	12/1996	BOSCH	80.120.01	012
SP-1	1600 com motor BV	06/1972	12/1974	BOSCH	80.106.01	007
SP-2	1700 com motor BL	06/1972	02/1976	BOSCH	80.106.01	007
Santana	1.8 Mi	02/1993	02/2005	BOSCH	80.120.01	012
	1.8 com motor UD	02/1984	01/1993	BOSCH	80.106.04	008
	1.8 com motor UE	02/1984	03/1994	BOSCH	80.106.04	008
	1.8i com motor UDB	02/1993	09/1996	BOSCH	80.106.04	008
		02/1993	02/2005	BOSCH	80.120.01	012
	2.0 Mi	02/1993	02/2005	BOSCH	80.120.01	012
	2.0 com motor UQ	02/1984	08/1993	BOSCH	80.106.04	008
	2.0 com motor UR	02/1984	08/1994	BOSCH	80.106.04	008
	2.0i	02/1993	02/2005	BOSCH	80.120.01	012
	2.0i com motor UQB	01/1990	08/1993	BOSCH	80.106.04	008
	2.0i com motor UQC	09/1993	09/1996	BOSCH	80.106.04	008
		02/1998	-	BOSCH	80.120.01	012
		02/1993	09/1996	BOSCH	80.120.01	012
		01/1981	12/1984	BOSCH	80.106.04	008
Saveiro	1.6 AP	01/1987	-	BOSCH	80.106.08	009
	1.8 Mi	09/1994	02/2005	BOSCH	80.120.01	012
	1.8 com motor UD	09/1994	02/2005	BOSCH	80.120.01	012
	2.0 Mi	09/1994	02/2005	BOSCH	80.120.01	012
	I 1.6 com motor BP	07/1982	08/1986	BOSCH	80.106.01	007
	I 1.6 com motor BW	07/1985	10/1989	BOSCH	80.106.08	009
	I 1.6 com motor UC	04/1993	11/1996	BOSCH	80.106.08	009
	I 1.6 com motor UN	09/1986	10/1989	BOSCH	80.106.08	009
	I 1.6 com motor UP	04/1993	11/1996	BOSCH	80.106.08	009
	I 1.8 com motor UDD	11/1989	11/1996	BOSCH	80.106.04	008
	I 1.8 com motor UED	11/1989	11/1996	BOSCH	80.106.04	008
	II 1.6 Mi	09/1994	02/2005	BOSCH	80.120.01	012
	III 1.6 Mi	02/2000	-	BOSCH	80.120.01	012
		09/1994	02/2005	BOSCH	80.120.01	012
	III 1.8 Mi	02/2000	-	BOSCH	80.120.01	012
	III 2.0 Mi	02/2000	-	BOSCH	80.120.01	012
	V com motor 1.6 Total Flex CCRA	09/2009	-	BOSCH	80.125.02	012
SpaceFox	com motor 1.6 Total Flex BPA	04/2006	04/2008	BOSCH	80.125.02	012
	com motor 1.6 Total Flex CCRA	05/2008	06/2010	BOSCH	80.125.02	012
Titan	17.310 com motor Cummins 6CTAA 8.3 litros	01/2002	01/2006	PRESTOLITE	80.485.04	046
	18.310 com motor Cummins 6CTAA 8.3 litros	01/2002	01/2006	PRESTOLITE	80.485.04	046
	19.320 com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.01	026
	26.220 com motor Cummins 6CTAA 8.3 litros	01/2001	01/2005	PRESTOLITE	80.485.04	046
	26.310 com motor Cummins 6CTAA 8.3 litros	01/2001	01/2005	PRESTOLITE	80.485.04	046
	31.230 com motor Cummins 6CTAA 8.3 litros	-	-	DELCO REMY	80.380.01	026
Transporter	1.6 L	05/1979	07/1989	BOSCH	80.106.07	009
		01/1984	11/1989	BOSCH	80.106.07	009
Van	1.6 Mi	11/1998	05/2001	BOSCH	80.110.01	009
	1.6 Mi com motor MY4	11/1998	12/2003	BOSCH	80.110.01	009
Variant	II	01/1978	12/1981	BOSCH	80.106.07	009



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLKSWAGEN		de /fron	até /until	M.Part./Starter	ZM	Pag.
Variant	II 1600 com motor BV	01/1978	12/1981	BOSCH	80.106.01	007
		12/1969	12/1977	BOSCH	80.106.07	009
Voyage	1.0 com motor CCNA	10/2008	07/2012	BOSCH	80.125.02	012
	1.5	06/1980	04/1982	BOSCH	80.106.08	009
	1.6 AP	01/1987	-	BOSCH	80.106.08	009
	1.6 com motor BW	09/1986	10/1989	BOSCH	80.106.08	009
	1.6 com motor UC	01/1983	10/1989	BOSCH	80.106.08	009
	1.6 com motor UN	06/1993	09/1995	BOSCH	80.106.08	009
	1.8 Special com motor UD	04/1992	12/1995	BOSCH	80.106.04	008
	1.8 com motor UD	09/1986	12/1995	BOSCH	80.106.04	008
		09/1986	12/1995	BOSCH	80.120.01	012
		09/1986	12/1995	BOSCH	80.106.04	008
	com motor 1.6 Total Flex CCRA	10/2008	07/2012	BOSCH	80.125.02	012
Ônibus 16.210	4.10 TCA	-	-	PRESTOLITE	80.480.05	041
Ônibus 17.210OD	4.10 TCA	-	-	PRESTOLITE	80.480.05	041
Ônibus 17.240OT	4.10 TCA	-	-	PRESTOLITE	80.480.05	041
Ônibus 8.150OD	4.10 TCA	-	-	PRESTOLITE	80.480.05	041
Ônibus 9.150OD	4.10 TCA	-	-	PRESTOLITE	80.480.05	041
Ônibus B 16-180	com motor 6.10	09/1995	06/1997	BOSCH	80.103.03	006
		09/1995	06/1997	BOSCH	80.103.06	007
VOLVO		de /fron	até /until	M.Part./Starter	ZM	Pag.
Articulated Truck	A300D10B 9.6L	01/2004	01/2007	mitsubishi	80.840.02	039
B 12 M	DH12D	02/2006	-	mitsubishi	80.890.01	037
	DH12E340	02/2006	-	mitsubishi	80.890.01	037
	DH12E380	02/2006	-	mitsubishi	80.890.01	037
B12	com motor D12A420	01/1992	-	mitsubishi	80.840.02	039
		01/1992	-	mitsubishi	80.890.01	037
		-	-	BOSCH	80.101.03	000
C30	1.8 com motor B4184S11	10/2006	-	FORD	80.761.05	032
	2.0 com motor B4204S3	10/2006	-	FORD	80.761.05	032
Caminhões	com motor MWM Série X-10Y 229	-	-	PRESTOLITE	80.485.03	046
Escavadeira	EC290BLC	-	-	mitsubishi	80.890.04	038
FH12	340 com motor D12A340	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	340 com motor D12C340	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	340 com motor D12D340	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	380 4x2 com motor Volvo D12 Diesel	01/2003	01/2007	DELCO REMY	80.380.02	026
	380 6x2 com motor Volvo D12 Diesel	01/2003	-	DELCO REMY	80.380.02	026
	380 com motor D12A380	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	380 com motor D12C380	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	380 com motor D12D380	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	420 4x2 com motor Volvo D12 Diesel	01/2003	01/2007	DELCO REMY	80.380.02	026
	420 6x4 com motor Volvo D12 Diesel	01/2003	01/2007	DELCO REMY	80.380.02	026
	420 com motor D12A420	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	420 com motor D12C420	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	420 com motor D12D420	08/1993	-	mitsubishi	80.840.02	039
		08/1993	-	mitsubishi	80.890.01	037
	460 com motor D12C460	08/1998	-	mitsubishi	80.840.02	039
		08/1998	-	mitsubishi	80.890.01	037
	460 com motor D12D460	08/1998	-	mitsubishi	80.840.02	039
		08/1998	-	mitsubishi	80.890.01	037
	500 com motor D12D500	09/2001	-	mitsubishi	80.840.02	039



TABELA DE APLICAÇÃO

APPLICATION CHART

VOLVO		de /fron	até /until	M.Part./Starter	ZM	Pag.
FH12	500 com motor D12D500	09/2001	-	MITSUBISHI	80.890.01	037
FH13		-	-	MITSUBISHI	80.890.01	037
FM	380 6x4 com motor Volvo D12 Diesel	01/2006	01/2007	DELCO REMY	80.380.02	026
	420 8x4 com motor Volvo D12 Diesel	01/2005	01/2007	DELCO REMY	80.380.02	026
FM 12	340 com motor D12C340	08/1998	09/2005	MITSUBISHI	80.840.02	039
		08/1998	09/2005	MITSUBISHI	80.890.01	037
	340 com motor D12D340	08/1998	09/2005	MITSUBISHI	80.840.02	039
		08/1998	09/2005	MITSUBISHI	80.890.01	037
	380 com motor D12C380	08/1998	09/2005	MITSUBISHI	80.840.02	039
		08/1998	09/2005	MITSUBISHI	80.890.01	037
	380 com motor D12D380	08/1998	09/2005	MITSUBISHI	80.840.02	039
		08/1998	09/2005	MITSUBISHI	80.890.01	037
	420 com motor D12C420	08/1998	09/2005	MITSUBISHI	80.840.02	039
		08/1998	09/2005	MITSUBISHI	80.890.01	037
	420 com motor D12D420	08/1998	09/2005	MITSUBISHI	80.840.02	039
		08/1998	09/2005	MITSUBISHI	80.890.01	037
FM 13		01/2007	01/2013	MITSUBISHI	80.840.02	039
Motores Estacionários	PENTA TAD650VE	-	-	MITSUBISHI	80.890.04	038
	TAD660VE	-	-	MITSUBISHI	80.890.04	038
	TAD721GE	-	-	MITSUBISHI	80.890.04	038
	TAD722GE	-	-	MITSUBISHI	80.890.04	038
N10		-	-	BOSCH	80.101.03	000
N12		-	-	BOSCH	80.101.03	000
NH12	380 4x2 com motor Volvo D12 Diesel	01/2006	01/2007	DELCO REMY	80.380.02	026
	380 6x4 com motor Volvo D12 Diesel	01/2006	01/2007	DELCO REMY	80.380.02	026
NL10		-	-	BOSCH	80.101.03	000
NL12		-	-	BOSCH	80.101.03	000
Retroescavadeira/ Loader	VME L30 com motor 4.236	01/1987	-	BOSCH	80.103.09	000
S40	1.8 com motor B4184S11	04/2004	-	FORD	80.761.05	032
	2.0 com motor B4204S3	10/2006	-	FORD	80.761.05	032
V50	1.8 com motor B4184S11	04/2004	-	FORD	80.761.05	032
	2.0 com motor B4204S3	10/2006	-	FORD	80.761.05	032
VM 210	com motor MWM 4.12TCE	-	12/2011	MITSUBISHI	80.890.03	038
	com motor MWM6.12TCE	-	12/2011	MITSUBISHI	80.890.03	038
	com motor eletrônico Acteon 4.12 TCE	-	12/2011	DELCO REMY	80.291.03	025
VM 260	com motor MWM 4.12TCE	-	12/2011	MITSUBISHI	80.890.03	038
	com motor MWM6.12TCE	-	12/2011	MITSUBISHI	80.890.03	038
	com motor eletrônico Acteon 6.12 TCE	-	12/2011	DELCO REMY	80.291.03	025
VM 310	com motor MWM 4.12TCE	-	12/2011	MITSUBISHI	80.890.03	038
	com motor MWM6.12TCE	-	12/2011	MITSUBISHI	80.890.03	038
	com motor eletrônico Acteon 6.12 TCE	-	12/2011	DELCO REMY	80.291.03	025
		-	-	MITSUBISHI	80.890.03	038
VM17	210 com motor MWM6.10TCA210	01/2003	12/2005	PRESTOLITE	80.485.01	045
	240 com motor MWM6.10TCA240	01/2003	12/2005	PRESTOLITE	80.485.01	045
	with X10 series MWM engine	01/2003	12/2005	PRESTOLITE	80.485.01	045
VM23	210 com motor MWM6.10TCA210	01/2003	12/2005	PRESTOLITE	80.485.01	045
	240 com motor MWM6.10TCA240	01/2003	12/2005	PRESTOLITE	80.485.01	045
	with X10 series MWM engine	01/2003	12/2005	PRESTOLITE	80.485.01	045
YALE		de /fron	até /until	M.Part./Starter	ZM	Pag.
Empilhadeira	GP 120 com motor S6S	01/1999	-	DENSO	80.140.10	030
	GP 120 with 1000.4 engine	01/1999	-	DENSO	80.140.10	030
	GP 120 with S6S engine	01/1999	-	DENSO	80.140.10	030
	GP 70 com motor 1000.4	01/1999	-	DENSO	80.140.10	030
	GP 70 com motor S6S	01/1999	-	DENSO	80.140.10	030
	GP 70 with 1000.4 engine	01/1999	-	DENSO	80.140.10	030
	GP 70 with S6S engine	01/1999	-	DENSO	80.140.10	030
	GP120 com motor 1000.4	01/1999	-	DENSO	80.140.10	030



TABELA DE APLICAÇÃO

APPLICATION CHART

YALE		de /fron	até /until	M.Part./Starter	ZM	Paq.
Empilhadeira	H-60 com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	S-25XL com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	S-25XM com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	S-35XL com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	S-40XL com motor Mazda FE	01/1993	01/2000	BOSCH	80.106.21	009
	S-40XM com motor Mazda 2.0L	01/1993	01/2000	BOSCH	80.106.21	009
	S-45XM com motor Mazda 2.0L	01/1993	01/2000	BOSCH	80.106.21	009
	S-50XM com motor Mazda M4-121G	01/1993	01/2000	BOSCH	80.106.21	009
	S-55XM com motor Mazda M4-121G	01/1993	01/2000	BOSCH	80.106.21	009
	S-60XM com motor Mazda M4-121G	01/1993	01/2000	BOSCH	80.106.21	009
	S-65XM com motor Mazda M4-121G	01/1993	01/2000	BOSCH	80.106.21	009
	com motor F2	01/1998	01/2006	MITSUBISHI	80.790.01	036
	com motor FE	01/1993	01/2000	BOSCH	80.106.21	009
		01/1998	01/2006	MITSUBISHI	80.790.01	036
	com motor Mazda 2.0L	01/1998	01/2001	MITSUBISHI	80.790.01	036
	com motor Mazda F2	01/1993	01/2000	BOSCH	80.106.21	009
	com motor Mazda VA	01/1993	01/2000	BOSCH	80.106.21	009
	com motor VA	01/1998	01/2006	MITSUBISHI	80.790.01	036
YANMAR		de /fron	até /until	M.Part./Starter	ZM	Paq.
1050.D	4x4 com motor BT 33 T	06/1988	06/2003	BOSCH	80.102.19	005
BT	com motor BT 22	11/1983	-	BOSCH	80.102.19	005
	com motor BT 33	11/1983	-	BOSCH	80.102.19	005
BTD	com motor BTD 22	09/1964	-	BOSCH	80.102.19	005
	com motor BTD 33	09/1984	-	BOSCH	80.102.19	005
Motor Estacionário e Marítimo		-	-	BOSCH	80.103.07	007
Motor a Combustão Yanmar	4TN78	01/1990	12/1995	HITACHI	80.680.01	033
	4TN82	01/1990	12/1995	HITACHI	80.680.01	033
	4TNE88TB	01/1985	-	HITACHI	80.680.01	033
	4TNV88	01/1985	-	HITACHI	80.680.01	033
Serie 1000	1050.D com motor BTD 33T	06/1988	-	BOSCH	80.102.19	005
YUTONG		de /fron	até /until	M.Part./Starter	ZM	Paq.
ZH6118H	CUMMINS L325 20 EURO II 6Cil.	-	-	DELCO REMY	80.380.02	026
ZANELLO		de /fron	até /until	M.Part./Starter	ZM	Paq.
Tractor 230	com motor B Cummins 5.9 litros	-	-	PRESTOLITE	80.480.08	041
Trator 250	com motor B Cummins 5.9 litros	-	-	PRESTOLITE	80.480.08	041



N° ZM ZM Nr.	Pag Page	N° ZM ZM Nr.	Pag Page	N° ZM ZM Nr.	Pag Page	N° ZM ZM Nr.	Pag Page	N° ZM ZM Nr.	Pag Page	N° ZM ZM Nr.	Pag Page
80.101.01	000	80.130.04	013	80.290.02	023	80.790.01	036				
80.101.02	000	80.130.05	014	80.290.03	023	80.790.02	036				
80.101.03	000	80.130.06	014	80.290.04	024	80.825.01	034				
80.101.04	001	80.130.07	049	80.291.01	024	80.825.02	034				
80.101.05	001	80.130.08	014	80.291.02	024	80.825.03	034				
80.102.01	002	80.130.09	014	80.291.03	025	80.825.04	035				
80.102.02	003	80.130.10	015	80.291.04	025	80.840.01	039				
80.102.03	003	80.130.11	015	80.380.01	026	80.840.02	039				
80.102.04	003	80.130.12	015	80.380.02	026	80.890.01	037				
80.102.05	004	80.132.01	016	80.380.03	026	80.890.02	038				
80.102.06	004	80.132.02	016	80.381.01	017	80.890.03	038				
80.102.07	004	80.132.03	016	80.450.01	025	80.890.04	038				
80.102.17	004	80.132.04	017	80.450.02	026	80.890.05	038				
80.102.18	005	80.132.05	017	80.456.01	027	80.893.01	036				
80.102.19	005	80.132.06	017	80.456.02	027	80.895.01	037				
80.102.20	005	80.135.01	001	80.456.03	027	80.895.02	037				
80.103.01	005	80.135.02	002	80.480.01	040	80.978.01	018				
80.103.02	006	80.137.01	002	80.480.02	040	80.993.01	036				
80.103.03	006	80.140.01	028	80.480.03	040						
80.103.04	006	80.140.02	028	80.480.04	040						
80.103.05	006	80.140.03	028	80.480.05	041						
80.103.06	007	80.140.04	029	80.480.06	041						
80.103.07	007	80.140.06	029	80.480.07	041						
80.103.09	000	80.140.08	029	80.480.08	041						
80.103.10	049	80.140.10	030	80.480.09	042						
80.103.11	049	80.141.01	030	80.480.10	042						
80.106.01	007	80.141.02	030	80.480.11	042						
80.106.02	007	80.141.03	030	80.480.12	042						
80.106.03	008	80.141.04	031	80.480.13	043						
80.106.04	008	80.201.01	047	80.480.14	043						
80.106.05	008	80.201.03	047	80.480.15	043						
80.106.06	008	80.201.04	047	80.480.16	043						
80.106.07	009	80.201.08	047	80.480.17	044						
80.106.08	009	80.201.09	048	80.480.40	049						
80.106.21	009	80.201.10	048	80.480.41	050						
80.110.01	009	80.201.11	048	80.481.01	044						
80.110.02	010	80.280.01	019	80.481.02	044						
80.110.03	010	80.280.02	019	80.481.03	044						
80.110.04	010	80.280.03	019	80.481.04	045						
80.110.06	011	80.280.04	020	80.481.05	045						
80.115.01	011	80.280.05	020	80.485.01	045						
80.115.02	011	80.280.06	020	80.485.02	045						
80.115.03	011	80.280.07	021	80.485.03	046						
80.115.05	012	80.280.08	021	80.485.04	046						
80.120.01	012	80.280.09	021	80.485.05	046						
80.125.01	012	80.280.10	021	80.680.01	033						
80.125.02	012	80.280.11	022	80.705.02	031						
80.130.01	013	80.280.12	022	80.761.03	032						
80.130.02	013	80.280.13	022	80.761.04	032						
80.130.03	013	80.290.01	023	80.761.05	032						



Referência - ISKRA / ISKRA - Reference	A
Referência - DENSO / DENSO - Reference	A
Referência - FORD / FORD - Reference	A
Referência - PRESTOLITE / PRESTOLITE - Reference	A
PEÇAS - ESPECIAIS / SPECIAL - PARTS	A
Referência - DELCO REMY / DELCO REMY - Reference	A
Referência - VALEO / VALEO - Reference	A
Referência - MITSUBISHI / MITSUBISHI - Reference	A
Referência - BOSCH / BOSCH - Reference	A
Referência - HITACHI / HITACHI - Reference	A
EQUIVALÊNCIA - MANCAL ORIGINAL PARA MANCAL ZM / CROSS REFERENCE - OEM REFERENCE	B
TABELA DE APLICAÇÃO / APPLICATION CHART	C