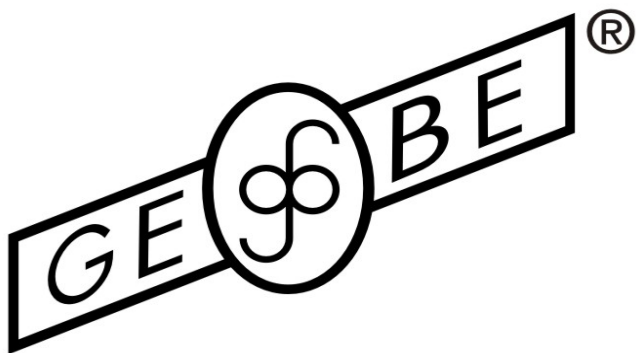




AUSGABE
EDITION

2010

Neue Teile
New parts
Nouveaux produits



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Zur einfachen Abwicklung Ihrer Aufträge verwenden Sie bitte auch bei Kohlebürsten die sechsstellige EDV-Nummer anstatt der Euro-Referenz (0 1165 1 = BSX 157-158).

Sie finden diese im Kapitel "Kohlebürsten" unter der bekannten Euro-Referenz **grau hinterlegt.**

For a convenient handling of your orders we would like to ask you to use the six-digit IKA-Partnumber also for orders of carbon brushes instead of the Euro-reference (0 1165 1 = BSX 157-158).

You can find this Partnumber at the chapter "carbon brushes", **marked grey.**

0 1165 1

Main index

Part-No.

Packing index

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PIECES DE RECHANGE POUR DEMARREURS

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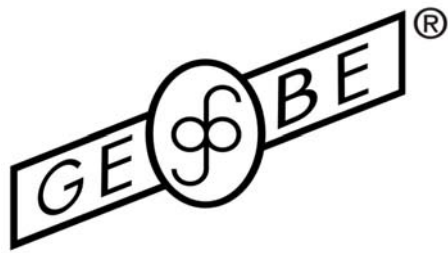
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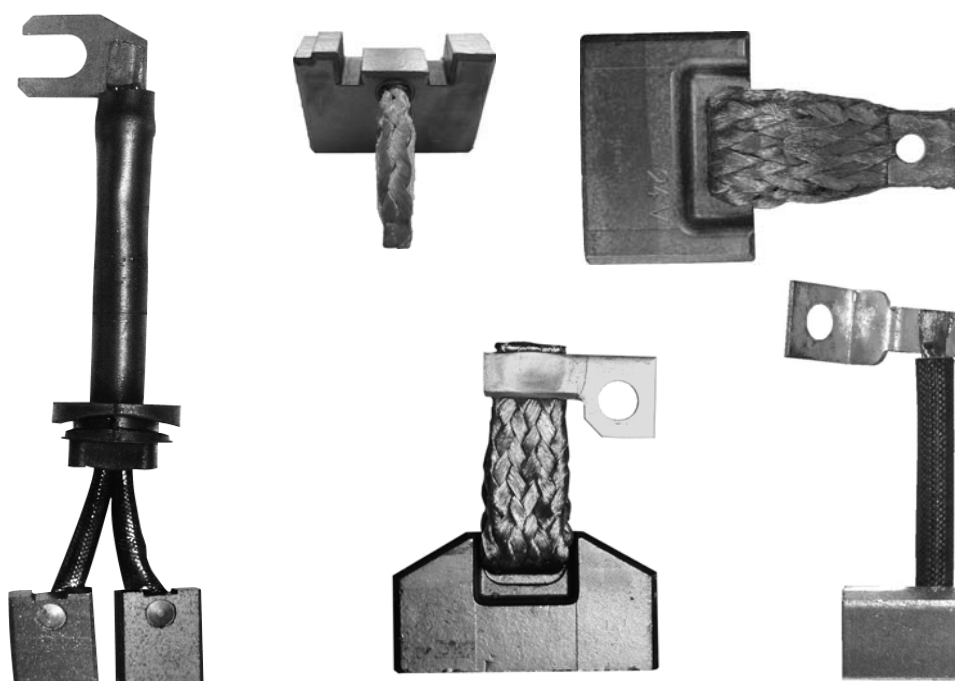


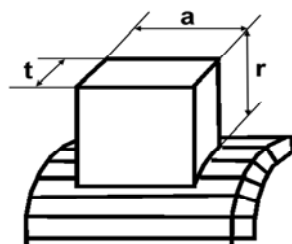
1

KOHLEBÜRSTEN

CARBON BRUSHES

BALAI EN CHARBON





Starter

t	x	a	x	r
10	x	20	x	20mm





BS 12, BS 39

BS 33, BS 34
BS 35, BS 36

BS 43



BS 44



BS 59



BS 62, BS 67

BOSCH

BSX 12 P/N 0 1100 1	1 007 014 100	6/12 Volt
4-BS 12	2 004 320 006	9 x 13 x 25,5
	0 001 354 006,12,16,18,25-27,29,31,33,34,36, 038,42,48,55,62,64,68,70,73,74,77, 079-96,98-100,3,6,8,9,13	
	0 001 355 012 356 001 363 001	
	9 000 143 200,1 EJB,EJC,EJD1.6/1.8 kw JD (R/L) -----	
BSX 33 P/N 0 1102 1	2 007 014 020 1 007 014 106	12 Volt
4-BS 33	2 004 320 066	9 x 20 x 28,5
	0 001 400 016,401051 401 051 BNG 2,5/12; 4/12 -----	
BSX 34 P/N 0 1103 1	2 007 014 021 1 007 014 107	24 Volt
4-BS 34	2 004 320 068,87,	9 x 20 x 28,5
	0 001 401 071 402 001,7-9,11,12,18,23,34,41,43,44,50, 052-61,65,66,68,69,71,72,74,75,77, 079-81, BNG, KG(R) 4/24 -----	
BSX 35 P/N 0 1104 1	1 007 014 109 (2 007 014 047)	12 Volt
4-BS 35	2 004 320 091,98,	12 x 20 x 28,5
	0 001 401 002,4-7,11,13,15,17,26-29,35-37,39, 041,43-47,49-53,57,60-62,66-71,73 KG(R) 3.0 kw -----	
BSX 36 P/N 0 1099 1	1 007 014 105	24 Volt
4-BS 36	2 004 320 053	12 x 36 x 30
	0 001 501 001-3,5,6,13,14,19,24,31,32,34,35,38,41 QD 24V 5,5 KW -----	
BSX 39 P/N 0 1105 1	2 007 014 002	24 Volt
4-BS 39	2 004 320 008	9 x 13 x 25,5
	0 001 355 009,11,13,15-17,19,20 EJD 1,8/24	

BSX 43 (4) P/N 0 1106 1	1 107 014 110	6/12 Volt
4-BS 43	1 004 320 059	7 x 16 x 22
	0 001 203 005,8-11,16,19 204 005 205 003,5,7,9,10,12,13,15,17 217 001 304 002,10,12,13,16,19,23 305 001,2,8,10-13,16 306 011,13 307 004,7-12,14-17,19-22,24,25 309 001 312 001 EED 0,5/6; 0,8/12; EGD 0,5/0,6/6,1/12; EGE 1/1,3/12 -----	
BSX 44 (4) P/N 0 1107 1	2 007 014 006	12 Volt
4-BS 44	2 004 320 074,80,85	8 x 22 x 22,5
	0 001 356 003 358 005,10,14,17,18,20,21,23,26-28, 033,35,37,38,40,41,46-51,90 EJD 3/12 JD(R) 3.2 kw -----	
BSX 59 (2) P/N 0 1112 1	1 007 014 112,117	12 Volt
2-BS 59	1 004 320 125 2 004 320 154	7 x 16 x 18
	0 001 208 001,14,30 209 014 211 001-3,5,6,10,12,13,17,18,20,22,23,26 212 002,5,6 217 001 311 020-24,28,30 9 000 042 027 EF(L/R) 0,7/0,8/12; EB(L), EEF 0,8/12 -----	
BSX 62 P/N 0 1118 1	2 007 014 011	12 Volt
4-BS 62	2 004 320 203	10 x 25 x 23
	0 001 359 001,4,6-8,11-14,16,18,19,21, 024-26,28,30,31,33-35 9 000 143 000-2 JD(R) 4/12 IDR 12V28 -----	
BSX 67 P/N 0 1119 1	2 007 014 012	24 Volt
4-BS 67	2 004 320 141,207	8 x 25 x 23
	0 001 360 002-5,8,9,12,13,20 JD 4/24	



**BS 70
BS 76**



BS 74



BS 75



BS 93



**BS 96
BS 100**



BS 102

BOSCH

BSX 70 2 007 014 018 **12 Volt**
P/N 0 1121 1

4-BS 70 2 004 320 026/098 **7 x 14 x 16**
1 004 320 902

0 001 155 016,017
157 001-4,6,7,13-16,18,21-25,27-30
9 000 141 101,3,4,7,8,11-16,100
334 101-104

DD(R) 0.5PS/0.6kw
DF(L/R) 0.6-0.7kw

BSX 74 2 007 014 000,024 **12 Volt**
P/N 0 1123 1

4-BS 74 2 004 320 043,044 **7 x 14 x 17,5**

0 001 100 003,004
101 004
102 003-006,009
104 005,007
105 002,003
154 001,005,007
155 001-004,006,008-010,014-016
157 010
158 001,002,008,009
9 000 141 000-004,006-010,013,015,017,018
DC(L) 0.5kw
DD(L/R) 0.6kw
DF(R) 0.65kw

BSX 75 2 007 014 026 **12 Volt**
P/N 0 1124 1 1 007 014 126,133

4-BS 75 1 004 320 076,126,90 **7 x 10 x 18**
2 004 320 172,173,180

0 001 207 001,018,
208 004,08,25, 039-41,44,49,51-54,100,101
200-5,6,8-11,13,14,16-21,23-29,32,33
403-409,11-23,25-29,
211 200,1,4-9,10,13-25,27-29,33-36,39,41-49,
251-55,57-59,86,88,
986-93,95-96,97,98
212 006-8,11,13,204-14,400-3
213 003,4
9 000 142 001-003,14,100-102,
333 105,112,115,116,118,119
EF(R/L) 0,7/0,8/12
EF(L/R) 0.7-0.95 kw

BSX 76 1 007 014 119,121,127,129,134 **12 Volt**
P/N 0 1125 1

4-BS 76 1 004 320 071,082,127, **7 x 16 x 18**
1 004 320 901,903

0 001 207 001-3,5-7,9,10,13,15-20
208 004,6,7,9-12,17-19,23,25,29,
032, 033,36-38,46-50,54,55
056,058,059,061
209 014
211 005,016,017,129
212 002,3,5,6,12
214 001,002
215 001,002
217 001
310 002,5,7-11,16,18,43,46,47,
049,50,116,120
311 008,10,13,19,23,25,28-32,34-37,45,47
050-052,054-056,100,103,105,107,108,112,-115
118,120-128,130,131,133-143,146,147,149-152
312 100-102,104-107,110,111
313 006,007
314 001,003-006,008-018,022,024-049
317 005,006
EF,EEF(L/R) 0,7/0,8/12;GF(R) 1/12
EF(L/R)6/12 0.5-0.85 kw
GF(L/R) 6/12 0.5-1.70 kw

BSX 93 2 007 014 016 **24 Volt**
P/N 0 1130 1

4-BS 93 2 004 320 122,125,127 **9 x 16 x 25,5**

0 001 363 001,101
JF(R)2.8PS/2.6kw

BSX 96 2 007 014 052 **12 Volt**
P/N 0 1132 1

4-BS 96 2 004 320 220 **10 x 25 x 23**

0 001 358 200-2
359 001-4,6-8,10-14,16,18-21,23-41,
043-51,53-69,71-76,81-92,94-102
104-14,17-19,22,24
365 004-008
9 000 143 107,9-11
JD(R) 3.0/3.7kw,4PS

BSX 100 2 007 014 049 **24 Volt**
P/N 0 1136 1

4-BS 100 2 004 320 217 **8 x 25 x 23**

0 001 360 002,3,7,8-10,12-19,22-27,29-45,
047-51,54-61,63-65
364 100,6,8,200-6
416 015
417 060
9 000 143 300-5,501
JD(R) 4.0/4.8/5.2/5.4/6.6kw

BSX 102 2 007 014 053 **12 Volt**
P/N 0 1138 1

4-BS 102 2 004 320 124,126 **9 x 16 x 25,5**

0 001 357 002,
362 001-9,11-17,19,
021-25,27-30,32,33
9 000 143 400,2,4-7,9
JF 2.0/2.4 kw



BS 104
BS 139



BS 130



BS 134, BS 135,
BS 138



BS 137



BS 142, BS144,
BS 145



BS 143



BS 140
BS 146

BOSCH

BSX 104 P/N 0 1140 1	2 007 014 054,055	12 Volt
2-BS 104	1 004 320 082/127	7 x 16 x 18
	0 001 208 009,13,24-26,31-33,58,59,61 211 001,2,4,16,21,23-25 215 001 311 001,7,14,16,26,27,32,38,39,45,48 313 001,3-5 EF/GF(R) 0.85 kw 1 PS -----	
BSX 130 P/N 0 1145 1	2 007 014 059,060	12 Volt
4-BS 130	2 004 320 263	12 x 36 x 27
	0 001 413 001-14,17,18 418 001-17 KB(L/R) 3.5/3.6 kw -----	
BSX 134-144 P/N 0 1147 1	2 007 014 062	12 Volt
2-BS 134 2-BS 144	2 004 320 101 2 004 320 102	10 x 25 x 17 10 x 25 x 17
	0 001 367 001-18,20-46,48,50,51,54-59,61-64, 066-68 9 000 143 410,12,15,16,19 JF(R) 3.0 kw -----	
BSX 135-145 P/N 0 1148 1	2 007 014 063	24 Volt
2-BS 135 2-BS 145	2 004 320 103 2 004 320 104	8 x 25 x 17 8 x 25 x 17
	0 001 368 001-88 300-321 300-321 369 011 9 000 143 600-04 JF(R) 4.0 kw	

BSX 137-143 P/N 0 1149 1	2 007 014 065,68	12 Volt
2-BS 137 2-BS 143	2 004 320 294,296 2 004 320 295,297	9 x 16 x 17 9 x 16 x 17
	0 001 362 034-36,38-43,45-53,057-64 067,69,70,81-86,88-100,102-105 300-332,600-607,700-705 366 001-6,8-22,24-29, 9 000 143 203,4; 408,11,13,14,20 JF(L/R) 1.9-2.7 kw Alternative Brush-Set BSX 139 2 007 014 040 with flex only -----	
BSX 138-142 P/N 0 1150 1	2 007 014 069	24 Volt
2-BS 138 2-BS 142	2 004 320 298 2 004 320 299	9 x 16 x 15,5 9 x 16 x 15,5
	0 001 363 003-5,7,9,13,16 103-128 JF(L) 3.2 kw JF(R) 2.6/3.2 kw -----	
BSX 139 P/N 0 1151 1	2 007 014 040	12 Volt
4-BS 139	2 004 320 038	9 x 16 x 17
	Alternative Brush-Set BSX 137-143 2 007 014 065 / 068 w. flex and terminal -----	
BSX 140 P/N 0 1152 1	1 007 014 138	12 Volt
4-BS 140	1 004 320 910	7 x 16 x 15
	0 001 208 516,710 211 514 312 108,9 317 007-13,16-19,22-25 GF(R) 1,7 KW Alternative Brush-Set BSX 152 1 007 014 144 with flex only -----	
BSX 146 P/N 0 1154 1	1 007 014 137	12 Volt
4-BS 146	1 004 320 911	7 x 10 x 14
	0 001 211 500-505,7,10,11 525-30,38 EF(L/R) 0.8 kw	



BS 147
BS 153



BS 148



BS 149
BS 152



BS 151



BS 151/0



BS 155



BS 155L



BS 157

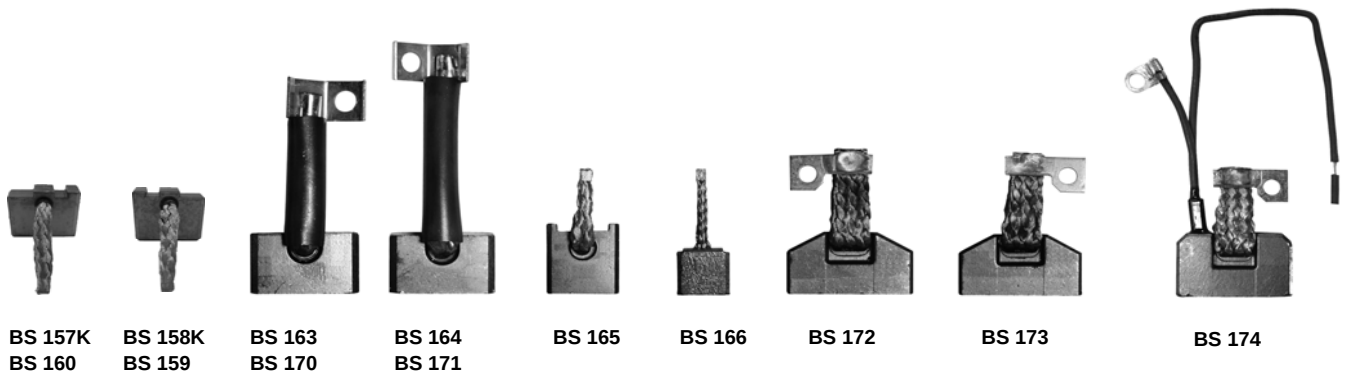


BS 158

BOSCH

BSX 147 P/N 0 1155 1	2 007 014 067 3T0844 Caterpillar	24 Volt
4-BS 147	2 004 320 017 0 001 420 001-15,24-29 3T4583,6 Caterpillar KE(R) 7,5 KW -----	10 x 36 x 27
BSX 148 P/N 0 1156 1	2 007 014 070	24 Volt
4-BS 148	2 004 320 285 0 001 410 029,062 416 001-40,42-77 KB(L/R) 5.4-6.6 kw -----	12 x 36 x 27
BSX 149 P/N 0 1157 1	1 007 014 139,141,145	12 Volt
4-BS 149	1 004 320 101,102,103 0 001 208 501,6-8,10,13-21,26,28 702,5-15,17-19, 211 512,13,15,33,35,36 1 001 711 512,13,15 9 000 333 104,06,09,14,17,20,21 EF(L/R) 5.4-6.6 kw Alternative Brush-Set for BSX 146 1 007 014 137 w. clip -----	7 x 10 x 14
BSX 151 P/N 0 1158 1	1 007 014 143	12 Volt
4-BS 151	1 004 320 912,9 003 334 315, 338 0 001 218 001-29,100-178 9 000 331 201,203 9 000 331 401,2,5-9,11-15,17-28,30-33 6 033 AB1 J00 EB(L/R) 1.9/2.2.4 kw EV(L/R) 1.9/2.2/2.4 kw -----	7,5 x 18 x 17/19
		
BSX 151/0 P/N 0 1159 1	1 007 014 143 w/o. clip	12 Volt
4-BS 151/0	1 004 320 112 Alternative Brush-Set for BSX 151 1 007 014 143 w. clip	7,5 x 18 x 17/19
		

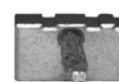
BSX 152 P/N 0 1162 1	1 007 014 144	12 Volt
4-BS 152	1 004 320 106 0 001 317 014,15,20,21 GF(L) 1.7 kw Alternative Brush-Set for BSX 140 1 007 014 138 w. clip -----	7 x 16 x 15
BSX 153 P/N 0 1160 1	2 007 014 066	12 Volt
4-BS 153	2 004 320 016 KE(L/R) 5,5 KW -----	12 x 36 x 27
BSX 155 P/N 0 1164 1	2 007 014 071	12 Volt
2-BS 155	2 004 320 135	10 x 25 x 15
2-BS 155L insul.	2 004 320 136 insulated	10 x 25 x 15
Alternative Brush-Set for BSX 134-144 2 007 014 062 w. terminal BSX 163-164 2 007 014 073 w. terminal -----		
BSX 157-158 P/N 0 1165 1	Brush-Holder: 1 004 336 228,33,57,79, 301,59,61,67,93,94, 400,01,02,04,05,07-10,12,13, 422,25,29-31,37,38,40,45-48, 450,54-56,58-61,63,65,66,68,72, 719,20,29-32,34-39,41,42,77-79 1 004 336 804,07,08,19,26,29,35, 836,39,40,45,47-49,60, 868,71,75,77,81, 906,08,09,14,24-27,31-33,42, 945-49,55,56,58,59,62,76,81, 983,84,88,90,91,94,96,97,99	12 Volt
2-BS 157	1 004 320 110,135,143,148,166,218	6 x 18 x 13/14,5
2-BS 158	1 004 320 111,134,142,149,165,219 0 001 109 001-008,11,12,14,15,17, 018,21-23,25,26,28-31, 033-036,40-45,47-49,52, 055,56,59-63 200,201,253 110 001-005,07-15,17-19,22-33 39-49,51,53,55-71,73,75-85, 88-90,92,95,98-102,104-107, 110-15,20,22-29,32 999 115 001,002 124 004,15,20,21 125 001,02,05,06,09,10,12,13,16-19 021,22, 501-04,07,08,12,13,17 602 F 000 AL0 105,107,108 F 010 AL0 101 DB/DW (L) 1,7 KW DW (R) 1,6-2,1 KW flex section 4.0 qmm	6 x 18 x 13/14,5
		



BOSCH

BSX 157-158K P/N 0 1167 1	Brush-Holder: 1 004 336 396,414,424,452,453,470, 471,722,743,763, 803,824,852,867	12 Volt
2-BS 157K 2-BS 158K	1 004 320 153,171,174,221,222 152,172,173,220,223	6 x 18 x 11/12,5 6 x 18 x 11/12,5
	0 001 115 002,05-09,11-13,16,17,24 123 001 DW (R/L) 1,7 KW R74-E10 (R/L) flex section 4.0 qmm -----	
BSX 159-160 P/N 0 1166 1	Brush-Holder: 1 004 336 300,18,37,43,62,63,74,75, 403,11,18,19,23,26,36,39, 442,43,57,64,67 733,40,47,48,62,72, 806,11,12,16,23,32,37,50,59, 902-04,07,11-13,18,19,21-23, 934-36,41,44,50,54,60,61,65, 968,71,73,74,86,95,98	12 Volt
2-BS 159	1 004 320 113,123,133,140,146,167, 224,226	5 x 16 x 11,5/13
2-BS 160	1 004 320 114,124,132,141,147,168 225,227	5 x 16 x 11,5/13
	0 001 108 001-05,09-13,16-33,35,37-40, 42-48,50-54,56-66,68-100, 101-41,43-56,58-60,62, 166-78,80-84,86,88,89,97,99 996-999 111 001-05 9 000 694 038 F 002 G20 049,052,101,141,449,500,639 F 005 M00 006,010,011,013,016 F 010 AL0 101,103 DW (R/L) 1,1-1,4 KW flex section 4.0 qmm -----	
BSX 163-164 P/N 0 1168 1	2 007 014 073,76	12 Volt
2-BS 163 2-BS 164	2 004 320 108 2 004 320 109	10 x 25 x 15 10 x 25 x 15
	0 001 367 001,04,05,07-10,12,13,15,17, 018,21-24,26,28,29,30,32-34, 039,42,44-47,49,50,52-54,58, 061,63,65,66,68-82 300-03, 369 002,04-07,12-25, 200,01 9 000 143 416 JF(R) 3.0/3.1/3.6 kw -----	
BSX 165 P/N 0 1169 1	9 003 337 001	24 Volt
4-BS 165	9 003 334 321	7,5 x 18 x 17/19
	0 001 219 001-17 9 000 332 401,402,405,406 EV (R/L) 2,5 KW	

BSX 166 P/N 0 1173 1	Brush-Holder: 1 004 336 217,302 815,17,34,43,44,46,65 915-17,28,39,40,43,52 953,63,67,69,92,93 9 000 081 094 F 000 AL1 055,326,483,917-919 AL2 034-036,109	12 Volt
4-BS 166	1 004 320 136/F 000 AL1 658	5 x 12 x 11,6
	0 001 112 003-29,32-39,41,44,45 113 001-15,17 114 003-06,08-10,14-17,20-22 133 003,04 9 000 081 003,09,10 F 000 AL0 300-302,400,401 DA (L/R) 0,9 KW DM (R/L) 0,8-1,0 KW -----	
BSX 170-171 P/N 0 1171 1	2 007 014 077, 085	24 Volt
2-BS 170 2-BS 171	2 004 320 196, 165 2 004 320 197, 166	10 x 25 x 15 10 x 25 x 15
	0 001 364 300,301,400,402 372 001-008 JD(R) 5,2 KW JE(R) 6,2 KW JF(R) 4,8 KW Brush-Holder 2 004 336 066,085-087 -----	
BSX 172-173 P/N 0 1172 1	2 007 014 079	24 Volt
2-BS 172 2-BS 173	2 004 320 244 2 004 320 245	12 x 36 x 19 12 x 36 x 19
	0 001 410 029,62 416 001-19,22-24,26-33, 035-40,42-53,56,57, 059-66,68-80,83 417 001,02,05-07,10,11,13, 014,16,17,20,22-31,33, 035-38,41-45,47,48, 050-59,61-66,68,69, 071-74,77-80, 418 004-06,08,10 Replacement for BSX 148 2 007 014 070 KB(R) 3.6/5.4/5.5/6.6 kw -----	
BSX 172-173-174 P/N 0 1194 1	2 007 014 084 VOLVO 3093273	24 Volt
2-BS 172 1-BS 173 1-BS 174	2 004 320 244 2 004 320 245 2 004 320 249	12 x 36 x 19 12 x 36 x 19 12 x 36 x 21
	0 001 417 075,076 Volvo Starter-No. 1547049,1556955 3095060,3964839 KB (R) 6,6 KW	

**BS 175****BS 176****BS 177****BS 178, BS 180****BS 179, BS 181****BS 182****BS 183****BS 184****BS 185****BS 186****BS 187****BS 190****BS 191**

BOSCH

BSX 175-176 P/N 0 1175 1	Brush-Holder: 1 004 336 219,39 309,14,20,21,26,32,68,82, 391,92,97 415-17,20,21,27,28,32-35, 444,51,62,69 801,09,10,13,14,20,21 827,28,30,31,33,41,42, 851,53, 937,38,51,57,64,70,75,80 985,87,89	12 Volt
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2-BS 175 2-BS 176	1 004 320 154,156,169,214 1 004 320 155,157,170,215	5 x 12 x 10,9/11,6 5 x 12 x 10,9/11,6
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0 001 106 011,12,14-20,22-26,
107 003-12,14-34,37-41,43-49,
052-56,58-64,66-80,82,83,
085,87-98,100,101
121 001-03,06-11,16-19,22,23
9 000 081 001, 04,06,07
9 000 694 022,35,44
F 002 G20 318

DB/DW (L) 1,1 KW
DB/DW (R) 0,9-1,2 KW
R74-M35 12V(R)
flex section 2.5 qmm

BSX 177 P/N 0 1174 1	2 007 014 082 9 001 453 644	24 Volt
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4-BS 177	2 004 320 271	9 x 36 x 18
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0 001 371 004-010,012-20
9 000 453 064,65,68

JE(R) 6,0 /6.7 kw

Brush-Holder 2 004 336 077/078
Scania T 144 GA

BSX 178-179 P/N 0 1176 1	2 007 014 080	12 Volt
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2-BS 178 2-BS 179	2 004 320 240 2 004 320 241	12 x 36 x 19 12 x 36 x 19
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0 001 418 001-003,009,012,014,015,017

KB(R) 3,6 KW

Replacment for BSX 130 (R) cw

BSX 180-181 P/N 0 1177 1	2 007 014 081	12 Volt
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2-BS 180 2-BS 181	2 004 320 242 2 004 320 243	12 x 36 x 19 12 x 36 x 19
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0 001 418 016

KB(L) 3,6 KW

Replacement for BSX 130 (L) a/c

BSX 182-183 P/N 0 1087 1	Brush-Holder: 1 004 336 277,863	12 Volt
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2-BS 182 2-BS 183	1 004 320 161 1 004 320 162	6 x 20 x 13/14.5 6 x 20 x 13/14.5
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0 001 124 018,019

DB(L) 1,8 kw

VW Lupo 1.2 TDI 3L / Audi A2 1.2 TDI 3L

BSX 184-185 P/N 0 1088 1	Brush-Holder: 1 004 336 502,05,10,19,25,26,34,42, 547,80,83,593, 600,07,08,30,32,36,55, 702,03,11,18,23,89,91, 866,887,896	12 Volt
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2-BS 184 2-BS 185	1 004 320 163,200 1 004 320 164,201	4,6 x 12 x 10,5/11,2 4,6 x 12 x 10,5/11,2
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0 001 107 401-15,17,18,21-43,46-49,
452,53,56,60-62,78,79
121 429,30

F 002 G20 485,594,669
F 004 A94 434,441,449
R70-M10,15,25,35,45(R)
RF70-M15,25 (R/L)
DW(R/L) 1,1 KW

BSX 186 P/N 0 1179 1	2 007 014 017	24 Volt
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4-BS 186	2 004 320 176,178	12 x 40 x 27
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0 001 510 001-003,005,008-010,017-028,
030-036,038-041

512 001,002
QB / QF(R) 9.0 kw

BSX 186-187 P/N 0 1180 1	2 007 014 083	24 Volt
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3-BS 186 1-BS 187	2 004 320 176 2 004 320 177	12 x 40 x 27 12 x 40 x 27
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0 001 510 029,037

QB(R) 9,0 KW

BSX 190-191 P/N 0 1183 1	Brush-Holder 6 033 AD0 130,156,380,383,471 AD4 026,054,161,180 9 003 334 363	24 Volt
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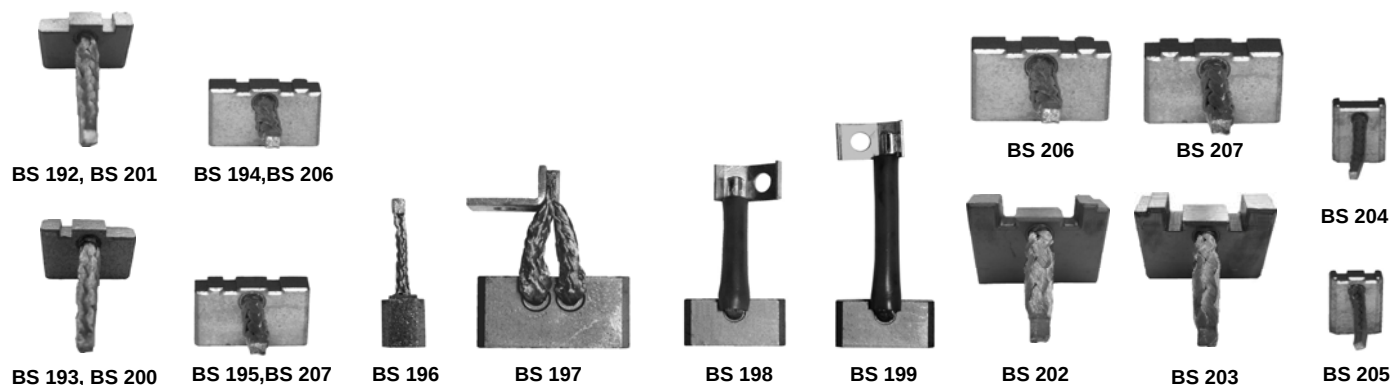
Stator-Frame:
6 033 AD0 128,151,152,189,473
AD4 064,092-094,098,099
107-110,177

2-BS 190 2-BS 191	9 003 334 359, 6 033 AD4 030 9 003 334 360, 6 033 AD4 029	6,4 x 25 x 15.4/16.4 6,4 x 25 x 15.4/16.4
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0 001 231 001-14,16-19,23,
024,26-30,32-36,45

EV(R) 4.0 kw
HE95-M 24V





BOSCH

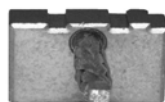
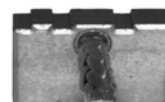
BSX 192-193 P/N 0 1184 1			Brush-Holder:	12 Volt
			6 033 AD0 014,159-161,221,368, 401,404,407,409,411, AD1 155,244,246,250,252, 255,259,294,311,349,350	
			Stator-Frame:	
			6 033 AD0 007,162-164,223,225,311,412 AD1 108-110,245,248,249,251,254, 256,260,301,313,327,351,381 AD2 002	
2-BS 192			6 033 AD0 011, 6 033 AD1 158	6 x 22 x 13 / 15
2-BS 193			6 033 AD0 012, 6 003 AD1 159	6 x 22 x 13 / 15
			0 001 218 602,20,703,10-12,15,16,19,22, 725,28,30,35-38,40-42,54,57-59 763-68,70-72,74,76,77 805,08,09,12,14-22 0 001 223 001-14,16,18,19,21,22,56 500-507 EV(L/R) 2,3 kw EV(R) 2,6 kw -----	
BSX 194-195 P/N 0 1186 1			Brush-Holder:	12 Volt
			6 033 AD0 166,370,374, AD3 022,042,058 9 003 334 368	
			Stator-Frame:	
			6 033 AD0 167,170,244 AD3 043,132,149,151,191-193	
2-BS 194			9 003 334 361,6 033 AD3 196	7,5 x 27 x 15,4/16,4
2-BS 195			9 003 334 362,6 033 AD3 197	7,5 x 27 x 15,4/16,4
			0 001 230 001,07-10,14,18,20-24,26,27 EV(R) 3.0 kw HE95-M 12V(R) -----	
BSX 196 P/N 1187 1			Brush-Holder:	12 Volt
			1 004 336 822,838,854,856,861 F 000 AL1 921, F 000 AL2 050-052	
4-BS 196			1 004 320 158	5 x 8.5 x 10.5/11.5
			0 001 116 001,003-006,008,009 DM(R/L) 0.7 kw -----	
BSX 197 P/N 0 1170 1			2 007 014 072	12 Volt
4-BS 197			2 004 320 270	9 x 36 x 18
			0 001 370 001-004 9 000 453 029,065-067 JE(R) 5.0 kw Brush-Holder 2 004 336 079 -----	
BSX 198-199 P/N 0 1182 1			Brush-Holder:	24 Volt
			2 004 336 064	
2-BS 198			2 004 320 163	8 x 25 x 13
2-BS 199			2 004 320 164	8 x 25 x 13
			0 001 368 083 JF 4,0 kw	
Replacement for BSX 135-145			2 007 014 063	
BSX 200-201 P/N 0 1188 1			Brush-Holder:	12 Volt
			1 004 336 410,514,518,532,548,575, 578,599,654,709,725,726,739, 787,872,877,891,894 F 002 G20 430	
2-BS 200			1 004 320 175,210	6 x 18 x 12.7/14.2
2-BS 201			1 004 320 176,211	6 x 18 x 12.7/14.2
			0 001 109 057-60,68,202-05,50, 302-305,40,41 110 071,072 F 002 G20 292,359,385,430,618,622,795 F 004 A94 002 DW(R) 1.7/2.2 R78-M10,15,28,45,55 12V R VW overload protection starter Flex section 2.5 qmm -----	
BSX 202-203 P/N 0 01178 1			Brush-Holder	24 Volt
			2 004 336 091,092,093 6 033 AD0 384 AD6 098	
2-BS 202			6 033 AD0 263	9 x 32 x 23
2-BS 203			6 033 AD0 264	9 x 32 x 23
			0 001 330 004,07,08,11-13,17,501,502 340 501-503 GVB(R)6.0 kw HEF109-M / MP 24V(R) HEP109-MP 24V(R) Scania, Volvo,Mercedes -----	
BSX 204-205 P/N 0 1197 1			Brush-Holder	12 Volt
			1 004 336 506,592,637,799, 879	
2-BS 204			1 004 320 177,212	4.6x10x12.0/12.7
2-BS 205			1 004 320 178,213	4.6x10x12.0/12.7
			0 001 106 403-407,409,410 120 400-411 DB(L) 0.9 kw RF70-S25(L) R70-S10(L/R) Audi, SEAT, Skoda, VW -----	
BSX 206-207 P/N 0 1089 1			Brush-Holder	24 Volt
			6 033 AD5 128	
2-BS 206			6 033 AD5 097,126,312	6.35x27.77x18
2-BS 207			6 033 AD5 098,127,313	6.35x27.77x18
			0 001 241 001 HEF95-L 5.5kw Scania 1447911 P 230,270,310,340,380,420,470 R 340,380,420,470 T 340,380,420,470	



BS 210



BS 211

BS 213
BS 215
BS 220BS 212
BS 214
BS 221BS 216
BS 223
BS 225BS 217
BS 222
BS 224

BS 218



BS 219

BOSCH

BSX 210-211 P/N 0 1091 1	Brush-Holder 1 004 336 509,527,530,531,564,565,576, 595,602,615,631,633,656,657, 704,707,708,768,769,785,886	12 Volt
2-BS 210	1 004 320 179,202	4.6x16x11.5/12.2
2-BS 211	1 004 320 180,203 flex section 2.5 qmm	4.6x16x11.5/12.2
	0 001 108 400-06,08-12,20,21,45,46 F 002 G20 670 F 004 A94 004 DW(R)1.4 kw R70-L15,25,35(R) RF70-L25(L) -----	
BSX 212-213 P/N 0 1092 1	Brush-Holder 1 004 336 511,512,521,528,533,536, 552,566-568,572,579,638, 712,753,770,771,773,782, 788,888,889,898 F 000 AL1 934	12 Volt
2-BS 212	1 004 320 183,204,206	5x16x11.5/13
2-BS 213	1 004 320 184,205,207 flex section 2.5 qmm	5x16x11.5/13
	0 001 108 157,190,196,200-204,06-14, 217,18,20-25,28-31,34,35,37-40 F 000 AL0 110 F 002 G20 326,348,546,582,593 F 004 A94 007 DW(R) 1.4-1.8 kw R74-L10(L) R74-L40,45,-60,-75(R) RF74-L20(R) -----	
BSX 214-215 P/N 0 1093 1	Brush-Holder 1 004 336 395,513,522,584,585,588, 591,598,604,606,641,678, 792,793,796,798,899	12 Volt
2-BS 214	1 004 320 185,228,234	6x18x11.0/12.5
2-BS 215	1 004 320 186,229,235 flex section 2.5 qmm	6x18x11.0/12.5
	0 001 115 008,21,25,35,39-41,45-54, 070-73 R74-E25(R) -----	
BSX 216-217 P/N 0 1094 1	Brush-Holder 6 033 AD4 016,194, 212 6 033 AD5 179, 316,318,320 Stator-Frame: 6 033 AD4 166,199 6 033 AD5 154	24 Volt
2-BS 216	6 033 AD5 177,314	5.35x27.77x18
2-BS 217	6 033 AD5 178,315	5.35x27.77x18
	0 001 231 036,039-041 241 003,005-007,009,014,015,019 EVb (R) 5.5KW HEF95-L 24V(R) HE95-M 24V(R) 4.0 kw	

BSX 218-219 P/N 0 1095 1	Brush Holder 1 004 336 504,529,561, 562,577,587,589, 765,766,786,795,797	12 Volt
2-BS 218	1 004 320 230	5x12x10.9/11.6
2-BS 219	1 004 320 231 flex section 2.0 qmm overload protection starters	5x12x10.9/11.6
	0 001 107 103-109 121 024-035 DB/DW(L/R) 1.2 kw R74-M60(R) / R74-M20 (L) RF74-M50(L) / RF74-M40(R) -----	
BSX 220-221 P/N 0 1096 1	Brush-Holder 1 004 336 272,503,507,508,516,524, 537,538,549-551,555,556, 559,569-571,573,574,581, 582,586,590,594,596,597, 599,601,603,605,611, 616-629,639,688 701,713,714,750-752,756, 757,760,774,780,781,783, 784,790,794,800,869,878, 884,885,893,895	12 Volt
2-BS 220	1 004 320 208,232	6x18x14.2/15.7
2-BS 221	1 004 320 209,233 flex section 4.0 qmm	6x18x14.2/15.7
	0 001 109 064-067,069,070,205, 258-274,300-307 110 086,087,118,119,130,131, 133,134,136-139 124 001-008,011,013,014,022,027 125 003,004,007,008,025,031, 032,035,036,039,040,042, 043,046-049,051-056, 511-514,517-522,600,601,605-608 F 000 AL0 111 F 004 A94 008,011 DB/DW(L) 1.7-2.0 kw DB/DW(R) 1.7-2.2 kw R78-L35,M28,M35,M45,M55(R) RF78-L30,L35(L) RF78-M28,M45,SW28(R) -----	
BSX 222-223 P/N 0 1220 1	Brush-Holder 2 004 336 090,096	12 Volt
2-BS 222	2 004 320 264	6,35x27.77x18.2
2-BS 223	2 004 320 265 flex section 10.0 qmm, length 35 mm	6,35x27.77x18.2
	0 001 260 001 HX-95L -----	
BSX 224-225 P/N 0 1219 1	Brush-Holder 6 033 AD3 262,267 290-292	12 Volt
2-BS 224	6 033 AD3 260	6,35x27,77x18
2-BS 225	6 033 AD3 261 flex section 6.0 qmm, length 25 mm	6,35x27,77x18
	0 001 230 001-024,026-030 EV(R) 3.0 kw HEF95-M	



BS 226
BS 229



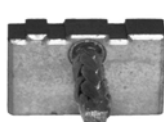
BS 227
BS 230



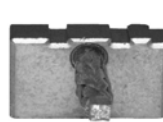
BS 228
BS 232



BS 215
BS 231



BS 239
BS 241



BS 240
BS 242

BOSCH

BSX 226-227 P/N 0 1218 1	Brush-Holder 1004 336 609,614	=	BSX 229-230 P/N 0 1216 1

BSX 228 P/N 0 1217 1	Brush-Holder 1 004 336 612,649	12 Volt	
6-BS 228	1004 320 244	5.25x18x12.7/14.2	
	flex section 4 qmm		
	0 001 139 001-006,008,011,012, 014-016,019,026,030		
	S78-M(R) 2.2 kW BMW Models 1+3 Diesel Start/Stop		

BSX 229-230 P/N 0 1216 1	Brush-Holder 1004 336 609,614,645,648	12 Volt	
2-BS 229	1 004 320 245	4.6x16x12.3/13.8	
2-BS 230	1 004 320 246	4.6x16x12.3/13.8	
	flex section 2.5 qmm		
	0 001 138 001-006,009-012,014-016, 018,029,030		
	S74-L(R) 1.7 kW BMW Models 1+3 Gas Start/Stop BMW Mini Gas, -Cooper Diesel Start/Stop		

BSX 231-232-215 P/N 0 1214 1	Brush-Holder 1004 336 515,520,523,535,553,554, 557,558,560,640,650, 653,661-664,669,677, 700,724,754,755,758, 759,761,890,892,897	12 Volt	
1-BS 215	1 004 320 229 flex 2.5 mm ²	6 x18x11 /12.5	
1-BS 231	1 004 320 249 flex 4.0 mm ²	6 x18x11 /12.5	
2-BS 232	1 004 320 250 flex 4.0 mm ²	6 x18x11 /12.5	
	0 001 115 022,023,031,032,042,056, 057,074-077,082,083 123 002,003,012-021,026,027,039		
	DB/DW (R) 1.7 kW R74-E20 (L) R74-E25,E35 (R) RF74-E25 (L) overload protection starters		

BSX 233 P/N 0 1215 1	Brush-Holder 1004 336 684	12 Volt	
6-BS 233	1 004 320 251	4.6x14x12.2/13.7	
	R74- (R)		
			

BSX 234-235 P/N 0 1212 1	Brush-Holder 1 004 336 681	12 Volt
2-BS 234	1004 320 254 flex 2.5 mm ²	5.25x18x12.7/14.2
2-BS 235	1004 320 253 flex 4.0 mm ²	5.25x18x12.7/14.2
	R78- (L) 2.2 kW overload protection starters	

BSX 236 P/N 0 1211 1	Brush-Holder 1004 336 674,695	12 Volt
6-BS 236	1 004 320 256 flex 2.0 mm ²	4.6x14x12.3/13.8
	0 001 137 001-004 S74-M (R) FIAT BH-No. 77365121 FIAT 500 1.2 8V / 1.4 16V Start/Stop overload protection starters	

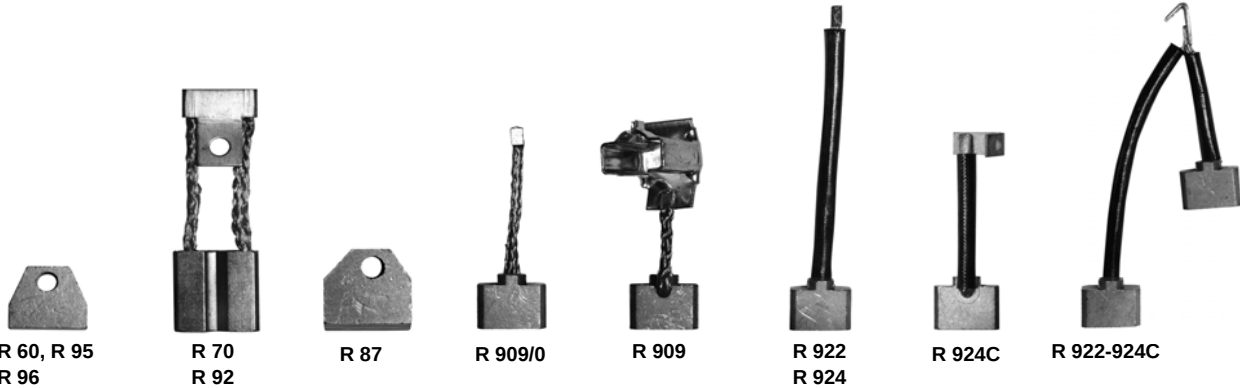
BSX 237-238 P/N 0 1210 1	Brush-Holder 1004 336 690	12 Volt
3-BS 237	1 004 320 258	4.6x19x12.3/13.8
3-BS 238	1 004 320 257	4.6x19x12.3/13.8
	S74-E (L) 2.2 kW Start/Stop	

BSX 239-240 P/N 0 1030 1	Brush-Holder 2004 336 094,097	12 Volt
2-BS 239	1 004 320 266	6,35x27.77x18.2
2-BS 240	1 004 320 267	6,35x27.77x18.2
	flex section 8.0 qmm, length 35 mm	
	HX 95-M,-L overload protection starter	

BSX 241-242 P/N 0 1033 1	Brush-Holder 2004 336 095	24 Volt
2-BS 241	1 004 320 268	6,35x27.77x18.2
2-BS 242	1 004 320 269	6,35x27.77x18.2
	flex section 6.0 qmm, length 35 mm	
	HX 95-M,-L overload protection starter	

	Achtung! Zweistoffkohlen siehe Einbauanleitung auf Seite 41	
	Attention! 2-component brushes see assembly instructions on page 41	
	Attention! Charbons à 2 composants voir instructions d'assemblage page 41	

Komplette **Bürstenhalter** finden Sie in **Kapitel 2**
For complete **brush-holders** see **chapter 2**
Pour **rondelles porte-balais**, voir **chapitre 2**



DELCO-REMY

RX 60 P/N 0 1284 1		12 Volt	RX 120 (2) P/N 0 1250 1		12 Volt
4-R 60	1906945,966 (D757) 1946400(D760)	6,3 x 19,05 x 16	1-R 909 1-R 924 C	3471506 (DR 751) 3471487 3471488 w. clip 3471143 -----	6 x 16 x 14 6 x 16 x 14
	1107201,1107619-895, 1108284,1108300-8307,8390,9439 199829 5 MT,8MT,10MT,SD300 Hyster Fork Lift -----		RX 120 (2) S P/N 0 1298 1		12 Volt
RX 70 (4) P/N 0 1285 1		24 Volt	1-R 909/0 1-R 924 C	3471009 w/o. Brush-Holder 3471024 w.clip -----	6 x 16 x 14 6 x 16 x 14
4-R 70	1906986 1946407,483 40 MT (2 Sets) -----	9,5 x 19,05 x 19	RX 120/0 (2) P/N 0 1294 1	3471625	12 Volt
			1-R 909/0 1-R 924	3471009 w/o. Brush-Holder 3471024 3471150 -----	6 x 16 x 14 6 x 16 x 14
RX 87 P/N 0 1287 1		12 Volt	RX 120 (3) P/N 0 1291 1	3471764 w. Brush-Holder	12 Volt
4-R 87	1906958,962,968,987 (D759,D761) 30 MT,35 MT -----	9,5 x 19,05 x 19	1-R909 1-R922 1-R924	3471009 / 3471487 3471022 3471024 -----	6 x 16 x 14 6 x 16 x 14 6 x 16 x 14
RX 92 P/N 0 1296 1		24 Volt	RX 120/0 (3) P/N 0 1292 1	3471764	12 Volt
4-R 92	1906918,989 1946426,487 1109961-98 50 MT (3 Sets) -----	7,9 x 19,05 x 19	1-R 909/0 1-R 922 1-R 924	3471009 w/o. Brush-Holder 3471022 3471024 3471169 -----	6 x 16 x 14 6 x 16 x 14 6 x 16 x 14
RX 95 P/N 0 1288 1		6/12 Volt	RX 120 (4) P/N 0 1251 1	3471505 (DR 700)	12 Volt
4-R 95	1946434,1976861 1107506-88 20MT,25 MT Clark Fork Lift -----	9,5 x 19,05 x 19	2-R 909 1-R 922-924 C	3471009 3471022 + 3471024 w. clip 3471141,144 -----	6 x 16 x 14 6 x 16 x 14
RX 96 P/N 0 1286 1	(R120)	12 Volt	RX 120 (4) S P/N 0 1299 1		12 Volt
4-R 96	1852880 (D764) 22MT,27MT	7,9 x 19,05 x 19	2-R 909/0 1-R 922 1-R 924	3471009 w/o. Brush-Holder 3471022 + 3471024 w. clip ----- 3471783,3471834 P/N 0 1295 1	6 x 16 x 14 6 x 16 x 14 6 x 16 x 14
				3471155,169,170,173-176	



R 122, R 122H
R 124, R 124H



R 134
R 134H



R 134-2C
R 134H-2C



R 135
R 135H



R 419
R 458



R 420
R 457

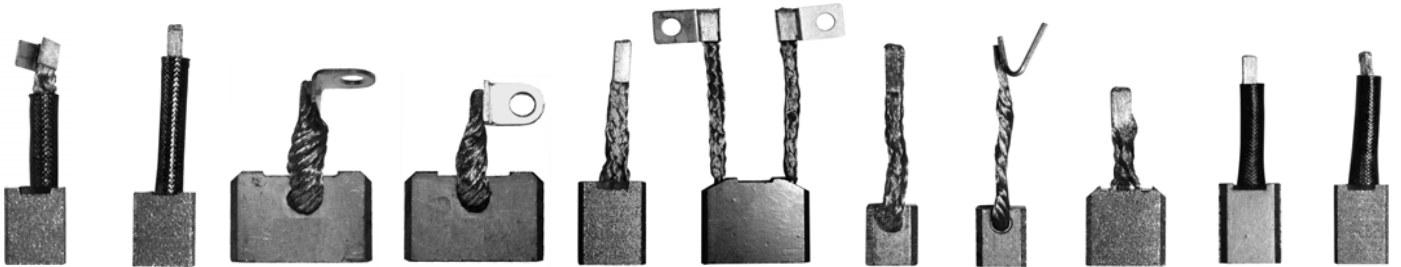
DELCO-REMY

RX 122 P/N 0 1280 1			12 Volt	RX 135 P/N 0 1283 1			12 Volt
4-R122	1852884	40 MT 400,450	9,5 x 38,1 x 21,4	4-R135	1852889	37 MT, 41MT	9,5 x 28,6 x 26,3
RX 122 H P/N 0 1256 1			24 Volt	RX 135 H P/N 0 1260 1			24 Volt
4-R122 H	1852883	40 MT 400,450	9,5 x 38,1 x 21,4	4-R135 H	1852893	37 MT, 41MT	9,5 x 28,6 x 26,3
RX 124 P/N 0 1281 1			12 Volt	RX 419-420 P/N 0 1254 1			24 Volt
6-R124	1852887	50 MT 400	7,9 x 38,1 x 20,6	2-R 419	10457119	10479600,05,08,11,12	7,9 x 24,8 x 19,5
				2-R 420	10457120	1113272,77,91	7,9 x 24,8 x 19,5
RX 124 H P/N 0 1257 1			24 Volt			28 MT	
6-R124 H	1852888	50 MT 400	7,9 x 38,1 x 20,6			Nikko Denki 0-23740-0110	
		1114683,84,86,89		RX 457-458 P/N 0 1255 1			12 Volt
RX 134 P/N 0 1282 1			12 Volt	2-R 457	10456457		7,9 x 24,8 x 19,5
4-R134	1852892	42MT	10,5 x 36,6 x 24,4	2-R 458	10456458		7,9 x 24,8 x 19,5
RX 134-2C P/N 0 1264 1			12 Volt			1113273-82,86-88,90	
4-R134-2C	10159505		10,5 x 36,6 x 24,4			292,95-97	
 42 MT latest model replaces RX 134 fits old Brush Holder						323-451	
RX 134 H P/N 0 1259 1			24 Volt			28 MT	
4-R134 H	1852894	42MT	10,5 x 36,6 x 24,4			Clark,Hyster,MF	
RX 134 H-2C P/N 0 1265 1			24 Volt	 Achtung! Zweistoffkohlen Attention! 2-component brushes Attention! Charbons à 2 composants			
4-R134 H-2C	10520138		10,5 x 36,6 x 24,4	Komplette Bürstenhalter finden Sie in Kapitel 2 For complete brush-holders see chapter 2 Pour rondelles porte-balais , voir chapitre 2			
 42 MT latest model replaces RX 134 H fits old Brush Holder							



DELCO-REMY

RX 911 P/N 0 1252 1	(R138)	12 Volt
4-R 911	1852898	5,5 x 15 x 14,5
	9000751,56,58 PG 100 Opel Unit-Nos. 21020892,21021648 -----	
RX 912 P/N 0 1253 1	(R139)	12 Volt
	Brush-Holder 10475602	
4-R 912	10499524	6 x 19 x 16
	9000786,798,804-806,812,819,822 827,834,835,850,851,853, 860-867,899,900 PG 260M -----	
RX 913-914 P/N 0 1272 1	Brush-Holder 10475107	12 Volt
1-R 913	Positive Brush-Pair	4,6 x 13 x 11/12
1-R 914	Negative Brush-Pair	4,6 x 13 x 11/12
	1045506,96208781,9627548 Daewoo SD80F -----	
RX 915 P/N 0 1273 1		12 Volt
4-R 915	10484034	5 x 16 x 11/12,5
	9000794,801,817,840 96208782,783,785 PG 150, PG 260F1 -----	
RX 916-917 P/N 0 1274 1		12 Volt
1-R 916	Positive Brush-Pair	6,8 x 21,8 x 15,2
1-R 917	Negative Brush-Pair	6,8 x 21,8 x 15,2
	PG 200, PG 250 -----	
RX 918-919 P/N 0 1275 1		12 Volt
1-R 918	10499510	6,8 x 15 x 15
2-R 919	10499509	6,8 x 15 x 15
	SD 210, SD 260	



JAS 1

JAS 2
JAS 18

JAS 10

JAS 11

JAS 14
JAS 22
JAS 19

JAS 35

JAS 39

JAS 39 C

JAS 52

JAS 53

JAS 62
JAS 63

DENSO

JASX 1 P/N 0 1943 1			12 Volt			JASX 39 P/N 0 1938 1			12 Volt		
2-JAS 1	028530-0932,1020,1030		6 x 9 x 12,5			4-JAS 39	028099-5450		6,5 x 8 x 10		
	028000-8411,9133,9872,9882						Daihatsu	28142-87504-000			
	128000-1431,4461,4590						Honda	31211-PH9-004			
	Motorcycle						Isuzu	8-94455-168-0			
	-----							8-94455-167-0			
JASX 2 P/N 0 1946 1			12 Volt				Mitsubishi	MD604643			
2-JAS 2			5 x 10 x 12,5				Subaru	209705-5108			
	Motorcycle						Suzuki	31131-51A10			
	-----						Toyota	28142-10029			

JASX 10-11 P/N 0 1955 1			12 Volt			JASX 39 C P/N 0 1939 1			12 Volt		
2-JAS 10	028520-1090		10 x 30 x 20			4-JAS 39 C	028531-5050		6,5 x 8 x 10		
2-JAS 11	028530-1100		10 x 30 x 20				with Clip				
	Isuzu 1-8116-048-0						Mazda	028099-5450			
	1-8116-049-0						-----				
	OSGR-Starter 3.0/5.5 kw										
	128000-049,245,247,256,274,422,										
	468,491,537,551,562,572,573										
	228000-331,332,573,585,700										

JASX 14 P/N 0 1940 1			12 Volt			JASX 52 P/N 0 1962 1			12 Volt		
4-JAS 14	28531-0110		7 x 12 x 16			4-JAS 52	028099-6180		6,5 x 13 x 14		
	Daihatsu	28142-21010					Daihatsu	28142-87204-000			
	Isuzu	9-8211-1649-0					Isuzu	8-94377-262-0			
	Mazda	0180-23-756						8-94367-795-0			
	Mitsubishi	K437 450-0					Mazda	028099-6180			
		MD604067					Suzuki	31131-51A10			
	Subaru	89207-8602/49206/7202					Toyota	28142-70020			
	Suzuki	31131-75011					-----				
	Toyota	28142-21010									

JASX 18-19 P/N 0 1996 1			12 Volt			JASX 53 P/N 0 1963 1			12 Volt		
2-JAS 18			7 x 13 x 15,5			2-JAS53	028510-0760		7,5 x 13 x 18		
2-JAS 19			7 x 13 x 15,5				Daihatsu	28140-87703-000			
	OSGR- Starter 1.2 kw						Honda	31231-679-014			
	-----						Isuzu	5-81119-004-0			
								8-94135-730-0			
JASX 22 P/N 0 1945 1			12 Volt				Subaru	49243-6002			
4-JAS 22	28531-0300		7 x 12 x 19				Suzuki	31131-79010			
	Daihatsu	28142-10011						31173-79010			
	Mazda	0208-23-756									
	Mitsubishi	MD604240									
	Subaru	89206-4102,6102/49243-7302									
		89206-8702,8602									
	Suzuki	31131-55010,-55011,-75110									
		31173-63210									
	Toyota	28142-10011									

JASX 35 P/N 0 1935 1			12 Volt			JASX 62 P/N 0 1965 1			12 Volt		
4-JAS 35	28530-0480		9 x 30 x 26			4-JAS 62	28531-0350		7 x 12 x 19		
	J. Deere	R50927					Daihatsu	28142-25020			
	Mitsubishi	MD604256/MF022002					Honda	31211-679-004			
	Toyota	28142-47021/-76010/-77040					Mazda	1345-24-753			
							Toyota	28142-25020			

JASX 62 P/N 0 1966 1			12 Volt			JASX 63 P/N 0 1966 1			12 Volt		
4-JAS 63	28531-0380		7 x 12 x 16			4-JAS 63	28531-0380				
	28531-0480/0490						28531-0480/0490				
	Daihatsu	28142-25011/87502					Daihatsu	28142-25011/87502			
	Honda	31211-657-006/31231-679-004					Honda	31211-657-006/31231-679-004			
	Toyota	28142-25011					Toyota	28142-25011			



JAS 77
JAS 79



JAS 78



JAS 84
JAS 89



JAS 85



JAS 86



JAS 87



JAS 88



JAS 101



JAS 102

DENSO

JASX 77-78

P/N 0 1977 1

028099-3550

12 Volt

2-JAS 77

28531-0840

8 x 25 x 15

2-JAS 78

not insulated

8 x 25 x 15

Daihatsu

28140-54070-000
28140-64040-000
28140-87706-000

Isuzu

5-81116-040-0
5-81118-021-0
8-94167-430-0

Komatsu

028510-0640

Mazda

RE01-24-750

Toyota

28140-54070

28140-64040

JASX 79

P/N 0 1997 1

Nikko Denki

12 Volt

4-JAS 79

0-23740-0200, 0210

7 x 25 x 15,5

Isuzu

8-94178-053-0, 054-0
8-94437-920-0, 921-0
228000-304326,304408
1.8/2.0 kw

Unit-Nos.

JASX 84

P/N 0 1984 1

12 Volt

4-JAS 84

028510-0441,0580,0590,0830,
-5320,5350,5420
028531-0450,0946

7 x 16 x 14

flex length 33mm

Daihatsu

28140-34030
-87701-000
-87704-000
-87710-000

Honda

31208-657-0040
-657-300
-PH7-661
-PR4-0030

Komatsu

02851-00441,-00590

Subaru

21170-53608
23378-AA040,-AA050
49243-7212,-7302,-7502

Toyota

28140-34030,-64130,-65020,
-74010,-74020,-74070,-76070
28142-34030

JASX 85

P/N 0 1985 1

12 Volt

4-JAS 85

28531-0680

6,5 x 10 x 16

Daihatsu

28140-15010
28140-87201-000
28140-87502-000
28140-87702-000

Honda

31231-PA0-0060

Isuzu

8-94239-109-0
8-94239-110-0

Mazda

1345-24-750
1345-24-750A

Mitsubishi

8682-24-750

Subaru

MD604916

23378-KA000

49206-7002

49243-7002

Suzuki

31131-82010

31173-78310,-78311

Toyota

28140-15010

JASX 86-87

P/N 0 1986 1

12 Volt

2-JAS 86

028510-0750

7 x 16 x 16

2-JAS 87

insulated

7 x 16 x 16

Daihatsu

28140-15090

Honda

31208-PC2-661

Toyota

28140-15090

Unit-Nos.

128000-8320

228000-2570

JASX 88

P/N 0 1988 1

12 Volt

4-JAS 88

28531-0632

8 x 25 x 21

Daihatsu

28140-77090-000

Hino

2814A-77090

Isuzu

28140-1220

Isuzu

1-81119-004-0

Komatsu

5-81118-013-0

Mitsubishi

02851-00500

Toyota

028510-0500

028510-0670

28142-22060/71

28140-77090

JASX 89

P/N 0 1991 1

12 Volt

4-JAS 89

028099-3430,3950
028510-0460,0660
028531-0720,0730

7 x 16 x 14

flex length 22mm

Daihatsu

28140-26070

Honda

-87707-000

Isuzu

31208-657-671

-PC2-671

Isuzu

5-81116-020-0

5-81118-022-0

8-94170-211-0

8-94317-193-0

8-94377-249-0

Toyota

28140-26070

JASX 101-102

P/N 0 1933 1

12 Volt

1-JAS 101

4,5 x 14 x 10,5

2-JAS 102

4,5 x 14 x 10,5

Denso

428000-0670,-0680
- 0700,-1640



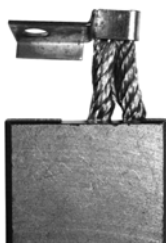
DENSO MANUFACTURING ITALIA S.p.A.
see FIAT-DENSO page 20



JS 5, JS 9
JS 13, JS 14
JS 16



JS 11, JS 12



JS 15



JS 17



JS 18, JS 19

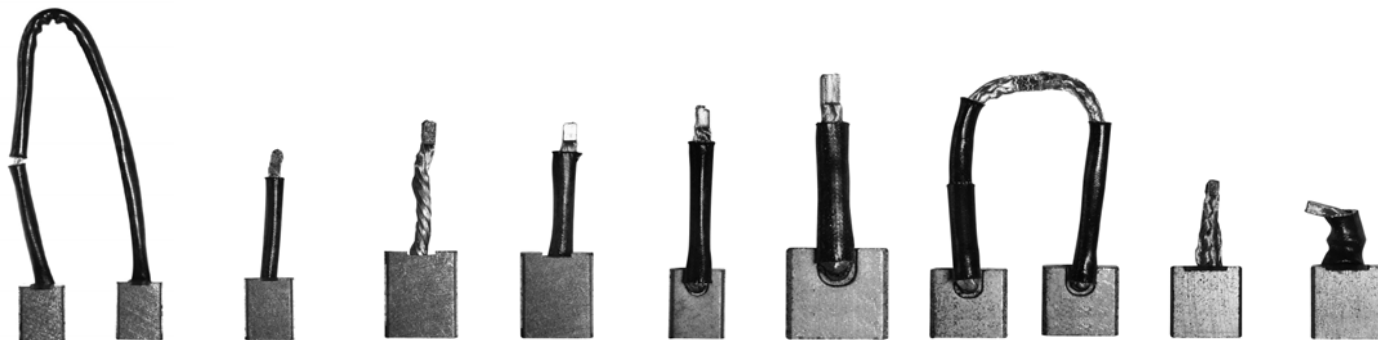
FIAT

JSX 5			JSX 14		
P/N 0 1451 1			P/N 0 1455 1		
2-JS 5	748 681 71	6 x 16 x 17	4-JS 14	4005010	6,5 x 14 x 20
	B76-0,5/12S			E115-1,8/12	
	E76-0,6/12V			-----	
	632 010 00-5				
	011 00,01				
	201 07,08,37,38				
	202 02,32				
	204 00,02,03,08,09,30,32,33,38,39				
	205 35-38				

JSX 9			JSX 15		
P/N 0 1454 1			P/N 0 1458 1		
4-JS 9	853160,747 026 10	6,5 x 14 x 20	4-JS 15	747 341 01	11,5 x 35 x 30
	E115-3/24			M130-7/24/M130-6/8/24V,1c,2c	
	632 238 00,02,07,30,32			M130-9124T	
	-----			632 243 01-03,98,99	
				253 01,03,91,98	
				263 00,02,91	

JSX 11			JSX 16		
P/N 0 1453 1			P/N 0 1459 1		
4-JS 11	4048975, 747 238 01	12 x 30 x 28	2-JS 16	748 617 81	8 x 17 x 19
	C150-7/24			E84-08/12V, Var,1,2,3,6,8	
	632 250 00, 02,05			632 207 00-03,05,06,20,21,23,24,30-33,35,	
	-----			40,41,43,44,46	
				208 00-04,06,08,30,32,33,34,36	
				209 31,32,40	

JSX 12			JSX 17		
P/N 0 1456 1			P/N 0 1460 1		
4-JS 12	4048287, 747 132 01	10 x 20 x 25,5	4-JS 17	748 256 01	10 x 33 x 28
	C125-4/24			E125-6/24	
	632 240 00, 03, 04			632 241 70	
	-----			-----	
JSX 13 (4)			JSX 18		
P/N 0 1457 1			P/N 0 1461 1		
4-JS 13	748 747 41	7 x 16 x 20	4-JS 18	748 387 01	10 x 22 x 28
	E100-1,3/12, 1,5/12			M125-4/24,M3-Z9	
	632 060 02,03			632 245 80	
	223 01,04,31			-----	
	224 00,05,08,09,30,35,37-39				
	225 01,02,31,32,35,36				
	227 30,31,33,35,36				
JSX 19			JSX 19		
P/N 0 1462 1			P/N 0 1462 1		
4-JS 19	748 460 01	10 x 22 x 28	4-JS 19	748 460 01	10 x 22 x 28
	M125-3/12			M125-3/12	
	632 24 600,02,91			632 24 600,02,91	



JS 21

JS 22, JS 25
JS 26, JS 27

JS 23

JS 24
JS 28JS 29
JS 30

JS 31

JS 32

JS 33

JS 34

FIAT

(portaspazzole + bobina)

JSX 21-22 P/N 0 1464 1	(748 811 51 + 748 809 21)	12 Volt
1-JS 21	748 809 41,512 706 52	6 x 13 x 17,5
2-JS 22	748 811 21,512 706 51	6 x 13 x 17,5

E95-0,9-12
E95-1,0-12
632 213 30,32-35,38
214 30,31
215 31,32,34,35,38
216 33,37

JSX 23-24-28 P/N 0 1466 1	(748 879 51 (85540391 + 74888901)	12 Volt
2-JS 23	748 879 01	7 x 15,5 x 20
1-JS 24	748 879 11	7 x 15,5 x 20
1-JS 28	748 912 60	7 x 15,5 x 20

E100-1,6/12
632 232 35-39
233 30-32

JSX 25-22 P/N 0 1467 1	(748 811 51 + 748 883 61 + 855 303 00)	12 Volt
1-JS 25	748 884 01,512 706 53	6 x 13 x 17,5
3-JS 22	748 811 21,512 706 51	6 x 13 x 17,5

E95-1,1-12
632 214 30
215 32,38

JSX 26-27 P/N 0 1468 1	(748 911 01 + 748 909 61)	12 Volt
3-JS 26	748 910 71,512 706 61,512 707 99	6 x 13 x 17,5
1-JS 27	748 910 80,512 706 60,512 707 98	6 x 13 x 17,5

E95-1,1-12
632 214 33-36,38
215 30,33,36,39
216 30,32,35,36,39
217 31

(portaspazzole + bobina)

JSX 29-30 P/N 0 1469 1	(748 938 51 (855 403 51 + 748 936 31)	12 Volt
1-JS 29	74893801,51270805	6 x 13 x 17,5
1-JS 30	74893811,51270803	6 x 13 x 17,5

E95-0,8-12
E95C-0,8-12
631 010 03
632 218 30,32,34,90,92

JSX 31-32 P/N 0 1470 1	(855 403 41 + 748 941 21 + 832 228 01)	12 Volt
2-JS 31	7489438.1,51270764,74899061	8 x 19 x 18
1-JS 32	7489439.1,51270765,74899071	8 x 19 x 18

E95R-2,2-12
632 218 31
220 30,31,34-36,38,39
221 30,31,33-36,38
222 04,06

JSX 33-34 P/N 0 1471 1	(832 204 61 + 832 201 31) (542 944 44 + 832 265 57)	12 Volt
2-JS 33 (-)	832 272 58 flex 28 insul. no	6 x 15 x 16,7
2-JS 34 (+)	832 272 57 flex 28 insul. 35	6 x 15 x 16,7

E70R-1,4-12
M70R-1,4-12/-1,8-12
631 110 00,05,08
632 234 30-33,35,36
235 30-33
236 39
934 35



JS 35, JS 38
JS 47

JS 36, JS 41
JS 42, JS 46

JS 37
JS 54

JS 39
JS 40
JS 58

JS 43
JS 50
JS 53

JS 44, JS 45
JS 48, JS 49

JS 51
JS 59

JS 52

JS 55
JS 56
JS 57

FIAT

(portaspazzole + bobina)

JSX 35-36 (832 212 41 + 832 216 51) **12 Volt**
P/N 0 1472 1

2-JS 35 832 211 91 **7 x 13 x 17,5**
2-JS 36 932 212 01 **7 x 13 x 17,5**

E80-0,8-12
E80-1,0-12
632 228 31-33,36-38
230 31-34

JSX 35-37 (832 212 41 + 832 209 91) **12 Volt**
P/N 0 1473 1 832 239 91)

2-JS 35 832 211 91 **7 x 13 x 17,5**
1-JS 37 832 216 81 **7 x 13 x 17,5**

E80E-1,0-12
631 230 31-34

JSX 38-39-40 (3) (832 244 61 + 832 251 17) **12 Volt**
P/N 0 1474 1

1-JS 38 (-) 832 244 81 flex 26 insul. no **7 x 13 x 17,5**
1-JS 39 (+) 832 274 91 flex 42 insul. 52 **7 x 13 x 17,5**
1-JS 40 (+) 832 274 90 flex 26 insul. 38 **7 x 13 x 17,5**

E80E-0,9-12
631 020 03,04,07,08
632 229 00,01
230 85
231 01,03,08
931 03

JSX 38-40-58 (4) (832 253 59 + 832 257 10) **12 Volt**
P/N 0 1482 1

2-JS 38 (-) 832 244 81 flex 26 insul. no **7 x 13 x 17,5**
1-JS 40 (+) 832 274 90 flex 26 insul. 38 **7 x 13 x 17,5**
1-JS 58 (+) 832 269 21 flex 80 insul. 100 **7 x 13 x 17,5**

E80E-1,0-12
631 030 02,03,07,08

JSX 38-41 (2) (832 244 61 + 832 251 46) **12 Volt**
P/N 0 1475 1 832 253 26 + 832 263 48
+ 832 264 91)

1-JS 38 (-) 832 244 81 flex 26 insul. no **7 x 13 x 17,5**
1-JS 41 (+) 832 252 66 flex 26 insul. 18 **7 x 13 x 17,5**

E80E-0,8-12
631 010 00,02
632 010 08
228 89,97
229 05,08,09,36
231 04,09
232 00
233 03
931 04

JSX 38-42 (2) **12 Volt**
P/N 0 1476 1

1-JS 38 (-) 832 244 81 flex 26 insul. no **7 x 13 x 17,5**
1-JS 42 (+) 832 246 21 flex 30 insul. 25 **7 x 13 x 17,5**

E80E Seat

(portaspazzole + bobina)

JSX 40-46-47 (4) **12 Volt**
P/N 0 1477 1

1-JS 40 (+) 832 274 90 flex 26 insul. 38 **7 x 13 x 17,5**
1-JS 46 (+) 832 261 48 flex 65 insul. 57 **7 x 13 x 17,5**
2-JS 47 (-) 832 261 89 flex 26 insul. no **7 x 13 x 17,5**

E80E

JSX 43-45-44 (4) **12 Volt**
P/N 0 1478 1

2-JS 43 (-) 832 258 22 flex 26 insul. no **7 x 13 x 19,5**
1-JS 45 (+) 832 258 23 flex 62 insul. 50 **7 x 13 x 19,5**
1-JS 44 (+) 832 258 24 flex 26 insul. 18 **7 x 13 x 19,5**

E80E

JSX 43-45-57 (3) (832 258 86 + 832 258 83) **12 Volt**
P/N 0 1483 1 + 832 262 40)

1-JS 43 (-) 832 258 22 flex 26 insul. no **7 x 13 x 19,5**
1-JS 45 (+) 832 258 23 flex 62 insul. 50 **7 x 13 x 19,5**
1-JS 57 (+) 832 274 95 flex 26 insul. 38 **7 x 13 x 19,5**

E80E-0,9-12
632 230 39
233 04
930 39

JSX 48-49-50 (3) **12 Volt**
P/N 0 1479 1

1-JS 48 (+) 832 262 17 flex 26 insul. 18 **7 x 13 x 19,5**
1-JS 49 (+) 832 262 18 flex 42 insul. 34 **7 x 13 x 19,5**
1-JS 50 (-) 832 264 28 flex 26 insul. no **7 x 13 x 19,5**

E80E

JSX 50-55-56 (3) (832 262 16 + 832 259 35) **12 Volt**
P/N 0 1484 1

1-JS 50 (-) 832 264 28 flex 26 insul. no **7 x 13 x 19,5**
1-JS 55 (+) 832 274 94 flex 26 insul. 38 **7 x 13 x 19,5**
1-JS 56 (+) 832 274 93 flex 42 insul. 52 **7 x 13 x 19,5**

E80E-0,9-12
631 020 00
920 00

JSX 51-52 (2) **12 Volt**
P/N 0 1480 1

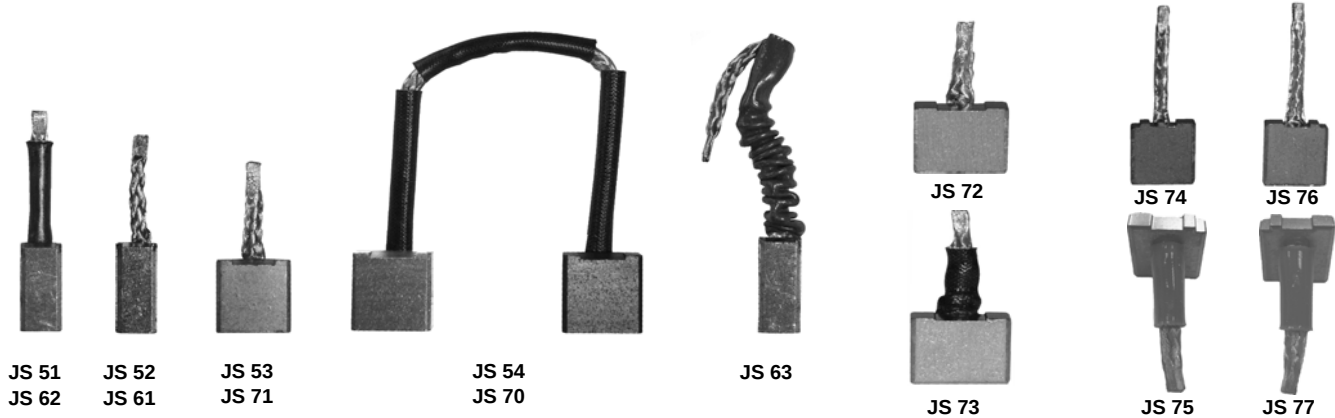
1-JS 51 (+) 832 273 62 flex 26 insul. 18 **7 x 8 x 19,5**
1-JS 52 (-) 832 273 64 flex 26 insul. no **7 x 8 x 19,5**

E80F-0,8-12

JSX 51-52-59 (3) **12 Volt**
P/N 0 1485 1

1-JS 51 (+) 832 273 62 flex 26 insul. 18 **7 x 8 x 19,5**
1-JS 52 (-) 832 273 64 flex 26 insul. no **7 x 8 x 19,5**
1-JS 59 (+) 832 274 70 flex 34 insul. 26 **7 x 8 x 19,5**

E80F-0,9-12



FIAT

FIAT - DENSO

(portaspazzole + bobina)

JSX 51-52-63 (4)

12 Volt

P/N 0 1486 1

1-JS 51 (+) 832 273 62 flex 26 insul. 18
 2-JS 52 (-) 832 273 64 flex 26 insul. no
 1-JS 63 (+) 832 276 57 flex 80 insul. 100

7 x 8 x 19,5
 7 x 8 x 19,5
 7 x 8 x 19,5

E80F-1,0-12

JSX 53-54

12 Volt

P/N 0 1481 1

(748 944 41 + 832 257 10
 832 263 36 + 832 267 10)

2-JS 53 (-) 832 269 19
 1-JS 54 (+) 832 269 20

8 x 19 x 20
 8 x 19 x 20

E95RL-2,2/2,6-12
 631 140 08,10,14
 Ducato

JSX 61-62-63 (4)

12 Volt

P/N 0 1487 1

2-JS 61 (-) 832 275 84 flex 26 insul. no
 1-JS 62 (+) 832 275 83 flex 26 insul. 18
 1-JS 63 (+) 832 276 57 flex 80 insul. 100

7 x 8 x 19,5
 7 x 8 x 19,5
 7 x 8 x 19,5

D80F-1,0-12
 Denso-Fiat

JSX 70-71

12 Volt

P/N 0 1490 1

1-JS 70 028531-6870
 2-JS 71 028531-6880

7.8 x 19 x 20
 7.8 x 19 x 20



P95 2.3/2.6 kw

JSX 72-73

12 Volt

P/N 0 1491 1

2-JS 72 028531-7340
 2-JS 73 028531-7331

7 x 20 x 16
 7 x 20 x 16



P76 2.0 kw

JSX 74-75-76-77

12 Volt

P/N 0 1492 1

1-JS 74 28531-6420
 1-JS 75 28531-6390
 1-JS 76 28531-6400
 1-JS 77 28531-6410

4.5 x 14 x 14.3/15.3
 4.5 x 14 x 14.3/15.3
 4.5 x 14 x 14.3/15.3
 4.5 x 14 x 14.3/15.3



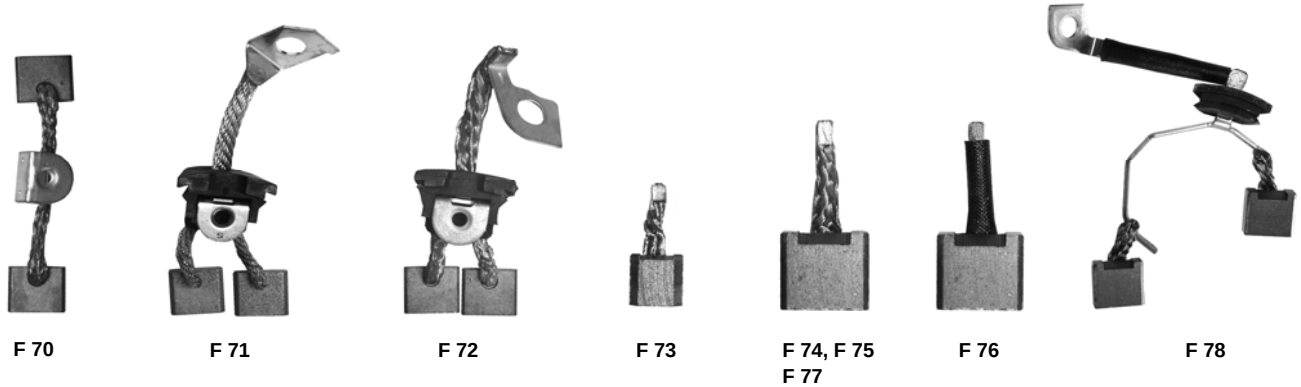
P70 1.4 kw

BMW, PSA, Toyota



Achtung! Zweistoffkohlen
Attention! 2-component brushes
Attention! Charbons à 2 composants

Komplette **Bürstenhalter** finden Sie in **Kapitel 2**
 For complete **brush-holders** see **chapter 2**
 Pour **rondelles porte-balais**, voir **chapitre 2**

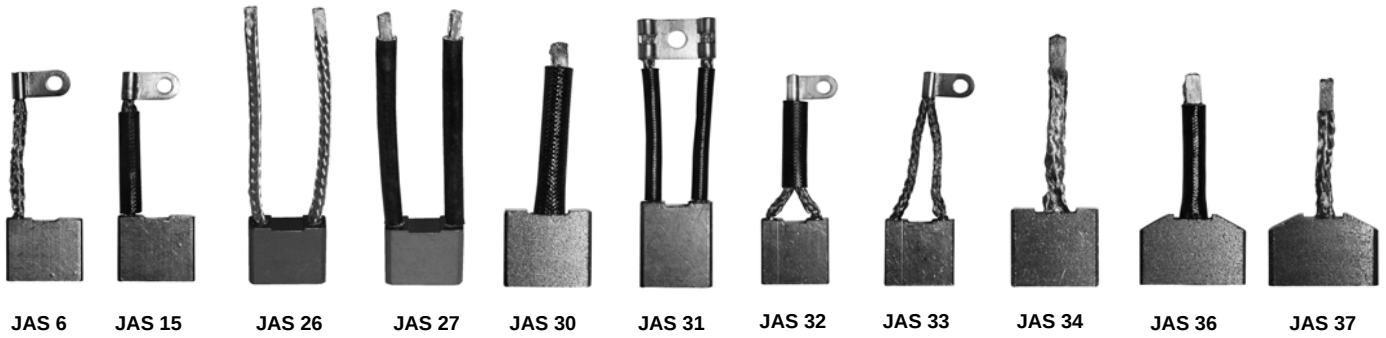


FORD VISTEON

FX 70-71 P/N 0 1527 1	Brush-Holder E90Z-11061-A,B,C	12 Volt
1-F 70 1-F 71	F0OU-11056-AA F0OU-11055-AA	4,5 x 16 x 14 4,5 x 16 x 14
	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA	
	PMGR-Starter USA -----	
FX 70-72 P/N 0 1528 1	Brush-Holder F3RZ-11061-A	12 Volt
1-F 70 1-F 72	F0OU-11056-AA F3RU-11055-AA	4,5 x 16 x 14 4,5 x 16 x 14
	93BB-11000-HB,JB,JC,KA,KB,KC	
	PMGR-Starter Europe -----	
FX 73 P/N 0 1529 1		12 Volt
4-F 73		6 x 13 x 14
	96BB-11000-AA,AB	
	USA	

FX 74 P/N 0 1530 1	Brush-Holder F7RU-11434-BA	12 Volt
4-F 74	F7RU-11056-AB	8,2 x 18,9 x 17,7
	97BB-11000-BB,BC 97VB-11000-AA,AB 98AB-11000-AC 98VB-11000-BA,B1A,B3A	
	Escort, Fiesta, Focus, Mondeo 1.8D 1,9 KW-Starter -----	
FX 74-78 P/N 0 1522 1	Brush-Holder F7RU-11434-BA	12 Volt
2-F 74 1-F 78	F7RU-11056-AB F7RU-11055-CA	8,2 x 18,9 x 17,7 8,2 x 18,9 x 17,7
	same application as FX 74 but positive brush-pair with bus bar -----	
FX 75 P/N 0 1524 1		12 Volt
4-F 75	F7RU-11056-CA TR3	8,2 x 18,9 x 18
	97VB-11000	
	Ford Transit 2,2 KW-Starter Hungary -----	
FX 76-77 P/N 0 1523 1	Brush-Holder 1C3U-11434-AA	12 Volt
2-F 76 (+) 2-F 77 (-)	1C3U-11056-BA 1C3U-11056-AA	8,2 x 18,9 x 18,2 8,2 x 18,9 x 18,2
	3,6 KW-Starter Visteon / ISKRA 1C3U-11000-AA,-AB,-AE	
	Achtung! Zweistoffkohlen Attention! 2-component brushes Attention! Charbons à 2 composants	

Komplette **Bürstenhalter** finden Sie in **Kapitel 2**
For complete **brush-holders** see **chapter 2**
Pour **rondelles porte-balais**, voir **chapitre 2**



HITACHI

JASX 15-6 (4) P/N 0 1942 1

12 Volt

2-JAS 15	2108-2305/-4305/-6305	6 x 16 x 14
2-JAS 6	2108-2306/-4306/-6306	6 x 16 x 14
	Daihatsu	2108-2305
		2108-2306
	Isuzu	9-8211-16310
		9-8211-16320
	Nissan	23379-09900
		23380-10600

JASX 26-27 P/N 0 1978 1

24 Volt

2-JAS 26	2280-1313	10 x 25 x 22,5
2-JAS 27	2280-1312	10 x 25 x 22,5
	Nissan	23331-99002
		-99003

JASX 31 P/N 0 1952 1

24 Volt

4-JAS 31	2250-1322	9 x 20 x 26
	Isuzu	9-8211-1603-0
		9-8211-5114-0
		1-2174-0030-0
	Nissan	23331-90001
		23331-90004
		23379-61502

JASX 32-33 P/N 0 1951 1

12 Volt

1-JAS 32	2114-2313	7 x 16 x 16,5
1-JAS 33	2114-6312	7 x 16 x 16,5
	Isuzu	9-8211-16440
		9-8211-16450
	Nissan	23379-19900
		23380-19900

JASX 34-30 P/N 0 1934 1

12 Volt

2-JAS 34	2130-6312	8 x 19 x 18
2-JAS 30	2130-9311	8 x 19 x 18
	Isuzu	8-94028-460-0/-464-0
		8-94228-440-0
		8-94228-444-0
		8-94228-464-0
	Nissan	23379-V0700
		23380-V0700

JASX 36-37 P/N 0 1937 1

12 Volt

2-JAS 36	2130-5312	8 x 25 x 18
2-JAS 37	2130-8311	8 x 25 x 18
		2250-5322
		2250-5323
	Isuzu	1-81116-023-0
		1-81116-024-0
		5-81116-024-0
		5-81116-025-0
		8-97030-389-0
	Nissan	23379-J5500

23380-J5500
23331-Z9002
23331-Z9003
28331-Z9000
28331-Z9001



**JAS 49, JAS 50
JAS 54, JAS 59**



**JAS 51, JAS 55
JAS 60, JAS 61**



JAS 56



JAS 3



**JAS 56/0, JAS 57
JAS 65, JAS 66**



**JAS 3/0, JAS 58
JAS 67**

HITACHI

JASX 49-61 P/N 0 1948 1 12 Volt

1-JAS 49 2114-63125 4,5 x 14 x 17
2-JAS 61 2114-43125 4,5 x 14 x 17

Brush Holder 2114-43105 / 23378-1E401
2114-53105 / 23378-50Y04
2114-63104 / 23378-1E400

Nissan 23380-1E400
23379-1P100

Hitachi-Starter S114-750,-752,-753,-754A,-758,
-762,-765,-766,-767,-769,
-775,-780,-870

JASX 50-51 P/N 0 1961 1 12 Volt

1-JAS 50 2114-23124/-63121 7 x 11 x 16
2114-73122/-83122
2114-93122

2-JAS 51 2114-83121 7 x 11 x 16

Mazda B101-18X-72/-18X-66
Nissan 23379-53J00/23380-53J00
23379-M8001/23380-12G01
23379-M8001/23380-42L60
23379-M8001/23380-57M60
23379-M8001/23380-77A01
23379-M8001/23380-M8001

Subaru 23387-KA000
23388-KA000
49206-6401/-6501
49207-6401
VW Golf, Passat 1.6, Santana

JASX 54-55 P/N 0 1964 1 12 Volt

1-JAS 54 2114-63126 4,5 x 14 x 15
2-JAS 55 2114-53126 4,5 x 14 x 15

Brush Holder 2114-23106 OPEL Astra D
2114-73105 OPEL Corsa D
Hitachi-Starter S114-808/-816 OPEL Astra D
S114-800/-801/-804 OPEL Corsa D
-805/-818/-850

Nissan 23380-OM300
23379-OM300
Opel JHTSX 300-301

JASX 56-3 P/N 0 1959 1 12 Volt

2-JAS 56 2120-1311,1312 8 x 14,5 x 22
2-JAS 3 2120-4311,5312 8 x 14,5 x 22
2120-7311

Isuzu 9-8211-16510
9-8211-16520
9-8211-16460
9-8211-16470

Nissan 23379-37500
23379-37502
23379-37503
23379-65000
23380-37500
23380-37502
23380-37503
23380-65000

JASX 56-3/0 P/N 0 1958 1 12 Volt

2-JAS 56/0 2120-7312 8 x 14,5 x 22
2-JAS 3/0 2120-9311 8 x 14,5 x 22

Nissan 23379-G7000
23380-G7000

JASX 57-58 P/N 0 1960 1 12 Volt

2-JAS 57 2114-4313 7 x 11 x 18
2-JAS 58 2114-8312 7 x 11 x 18

Daihatsu 2114-4313/8312
Honda 31246-568-005
31217-568-005
Isuzu 9-8211-1657-0/1658-0
Nissan 23379-16E01/-21000
23380-16E01/-21000
Subaru 9402-1408/1409

JASX 59-60 P/N 0 1950 1 12 Volt

1-JAS 59 2114-73123 4,5 x 11 x 16
2-JAS 60 2114-83123 4,5 x 11 x 16

Nissan 23380-53J00
23379-53J00
Subaru 23387-KA000
23388-KA000
Hitachi-Starter S114-556A,-558
Nissan-Starter 23300-53J00
Subaru-Starter 23300-KA270

JASX 64-65-67 P/N 0 1968 1 12 Volt

2-JAS 65 2114-59003/-93121 7 x 11 x 16
1-JAS 67 2114-6313/-8313 7 x 11 x 16

Honda 31215-634-0050/PD4-0050
Isuzu 5-81116-056-0
5-81119-034-0
8-94208-294-0
Nissan 23379-M0100/M0101/M0102
23380-M0101
Subaru 49206-1001/-5501
49207-1001

JASX 66-67 P/N 0 1969 1 12 Volt

2-JAS 66 2114-3315/-5312 7 x 11 x 16
2-JAS 67 2114-6313/-8313 7 x 11 x 16

Honda 31215-634-0050/31216-634-0050
31215-679-0050/31216-679-0050
Isuzu 8-94208-294-0/8-94208-300-0
5-81116-008-0/5-81116-009-0
Nissan 23379-80W00
23379-M0100/-M0102
23380-56A00
23380-M0100/-M0101
Subaru 21070-53908/-54008
24370-54008
49206-1001/49207-1001
49206-5501/49207-5501



JAS 74



JAS 75



JAS 80



JAS 81

JAS 92
JAS 94JAS 93
JAS 95

HITACHI

JASX 74

P/N 0 1975 1

12 Volt

4-JAS 74	2130-23112	7 x 19 x 15,8
	Isuzu	8-94136-900-0
	Nissan	23380-10G00
		23379-10G00

JASX 74-75

P/N 0 1974 1

12 Volt

2-JAS 74	2130-13111	7 x 19 x 15,8
2-JAS 75	2130-7312	7 x 19 x 15,8
	2240-1311/1312	
	Daihatsu	23379-W2500/23380-W2500
		2331-T9000/T9001
	Isuzu	5-81118-021-0
		8-94136-900-0
		8-94152-930-0/-970-0/-973-0
		8-94242-061-0/8-94242-065-0
		8-94478-862-0
	Mazda	894152970/-973
	Nissan	23379-54A00
		23380-10G00
		23380-54T00
		23380-W2500
	Volvo	740 D, 760 D

JASX 80-81

P/N 0 1982 1

12 Volt

2-JAS 80	2114-59002	7 x 14 x 16
2-JAS 81	2114-69002	7 x 14 x 16
	Isuzu	8-94208-440-0
		8-94208-444-0
		8-94228-440-0
		8-94228-444-0
	Nissan	23379-M4900
		23380-M4900
	Hitachi-Starter	5114-480

JASX 92-93

P/N 0 1992 1

12 Volt

2-JAS 92	2130-1312/2312	9 x 19,5 x 22
	2130-3311/4311	
2-JAS 93	2130-4312/7311	9 x 19,5 x 22
	Isuzu	5-81116-015-0
		5-81116-016-0
		5-81116-048-0
		5-81116-049-0
		8-94137-714-0
		8-94137-716-0
		9-8211-1551-0
		9-8211-4151-0
		9-8211-4152-0
	Nissan	23379-J2000
		23380-J2000
		23379-61503
		23380-61501

JASX 94-95

P/N 0 1993 1

24 Volt

2-JAS 94	2250-2323	9 x 19,5 x 19,5
2-JAS 95	2120-2601	9 x 19,5 x 19,5
	2130-1310	
	2250-1324/-4322	
	Isuzu	1-81116-017-0/-018-0
		5-81116-017-0/-018-0
		5-81119-001-0
		5-81119-015-0
		5-81119-016-0
		9-82111-551-0
	Nissan	23379-61503
		23380-61501
		23331-Z9000
		23331-Z9001
	Hino	28142-1020A
		28142-1010A



IKS 2



IKS 3



IKS 4



IKS 5



IKS 6



IKS 7

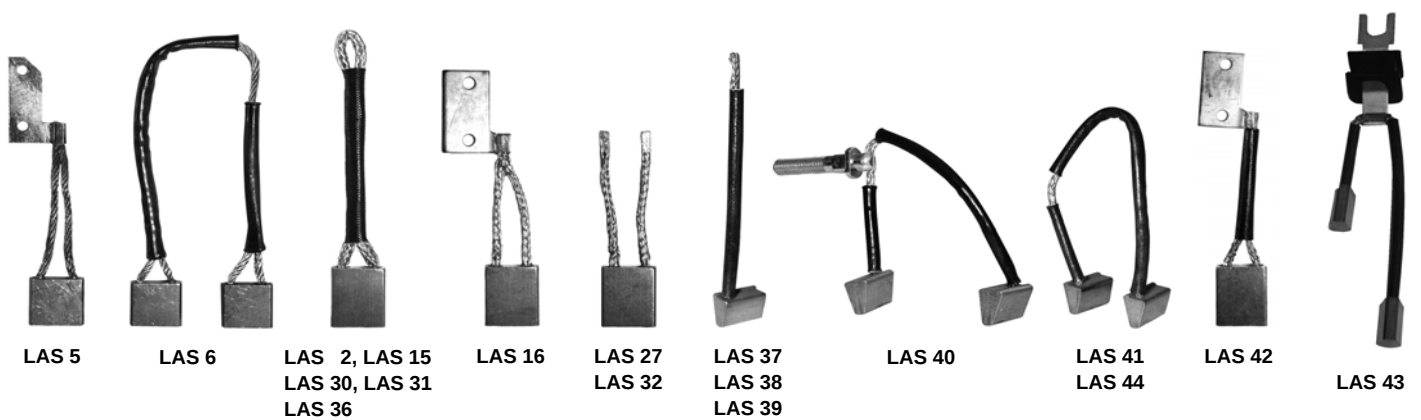
IKS 10
IKS 12

IKS 11

ISKRA

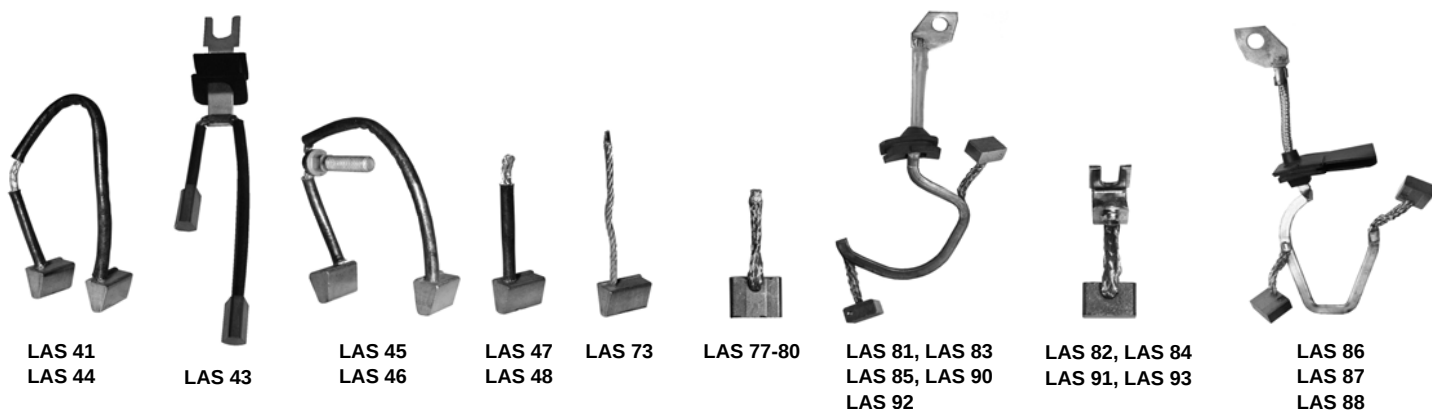
IKSX 2-3 P/N 0 1532 1	16 905 439,950	12 Volt
1-IKS 2 1-IKS 3		13,9/6,9 x 12 x 15 13,9/6,9 x 12 x 15
	AZF 3509,3512,3513,3515,3517-3519,3524,3527, 3528,3531,3533,3534,3543,3545,3547,3549,3551, 3552,3555,3558,3559,3560 11 130 193,208,210,233,244-246,291,334,338,346, 351,352,375,378,392,395,418,431,505,582, 590,600	
	0,8-1,0 KW -----	
IKSX 4 P/N 0 1533 1	16 905 225	12 Volt
2-IKS 4		6 x 16 x 17
	AZD 3502,3503,3508,3511 11 130 134,143,266,314	
	0,6 KW -----	
IKSX 5-6 P/N 0 1534 1	16 905 645,973	12 Volt
2-IKS 5 2-IKS 6		9 x 16 x 23,5 9 x 16 x 23,5
	AZJ 3105,3123,3137-3140,3144,3145,3148,3149-3151, 3155-3157,3166,3169,3170,3182,3192,3195,3197, 3198,3203-3206,3217-3219,3227,3237,3248,3249, 3255,3508,3514,3538,3554,3556,3567,3574,3581 11 130 117,123,203,250,253,300,309,319,386,432, 500-503,509,510,520,521,525,526,531-533, 548,551,552,579,612,618,620,624,629,632, 665,669,670,682,697,709,711,732	
	2,4 / 2,7 / 3,0 KW -----	
IKSX 7 P/N 0 1535 1	16 770 205	12 Volt
4-IKS 7	16 770 428	6 x 12 x 11,5
	AZE 1501,1502,1507,1508,1515-1517, 1520,1521,1523,1526,1528,1531 11 130 321,328,398,404,483,487,495, 519,529,556,580,586,661	
	0,8/0,9 KW	

IKSX 10-11 P/N 0 1537 1	16 905 695	24 Volt
2-IKS 10 2-IKS 11	16 770 376	8 x 25 x 23 8 x 25 x 23
	AZJ 3131-3133,3186,3188,3589,3593,3595 11 130 339,364,367,490-492,595,598	
	4,0 KW -----	
IKSX 10 P/N 0 1539 1		24 Volt
4-IKS 10	16 770 376 -----	8 x 25 x 23
IKSX 12 P/N 0 1538 1	16 905 688	12 Volt
4-IKS 12	16 770 239	10 x 25 x 23
	AZJ 0402,0404,0405,3109,3110,3114-3119, 3121,3128,3158,3171,3187,3188,3190, 3516,3517,3525,3531,3534-3537,3548, 3555,3557,3582,3594,3598,3599 11 130 026,074,076,127,140,179,194,198-201, 229,251,254,322,366,373,376,402,403, 408-412,414,419,484,534,553,596,605, 611	
	3,0 KW	



LUCAS

LASX 2 P/N 0 1600 1	255659,270005 (TAB 127)	12 Volt	LASX 36 P/N 0 1615 1	54259517 (TAB 118) 60600849	12 Volt
2-LAS 2	263018,265426	8.8x19.05x13.5	4-LAS 36	54248210	9 x 20 x 26
	M35G/M45AL,G/M418G -----			M50,M127 26227,34,46,65,73,74,82,84,90,94,95,97,98 26304,5,12,16,17,23,29,36,37,41-45,49,51, 52,55,57-61,63,65,66,69,74,76,78,79,84, 86,88,89,93,98 26402-4,7-11,14,16,20,21,23,27-31,33-37	
LASX 5-6 P/N 0 1604 1	251108 (TAB 128)	12 Volt		27304 27500-9,11-16,18-28,31-34,36-41,43,45-47, 50-54,56-59,63-65 -----	
2-LAS 5	251103,5426	6,35 x 15,9 x 14,2	LASX 37-38-39 P/N 0 1616 1	54242194 (TAB 103)	12 Volt
1-LAS 6	251165,54257344, 54258281	6,35 x 15,9 x 14,2	2-LAS 37	(flex length 45 mm)	9/3,5 x 11,6 x 15,9
	M35G1 25079,83,85,88,105,112,118,138,142 -----		1-LAS 38	(flex length 85 mm)	9/3,5 x 11,6 x 15,9
LASX 15-16 P/N 0 1608 1	271735 (TAB 125)	12 Volt	1-LAS 39	(flex length 110 mm)	9/3,5 x 11,6 x 15,9
2-LAS 15	271491,5426	7,9 x 19,05 x 22,2		M35J -----	
2-LAS 16	271493,5426	7,9 x 19,05 x 22,2	LASX 40-41 P/N 0 1617 1	54244848,60600056 (TAB 117)	12 Volt
	M45G,M113 26147,48,51,53,54,63,66,78,89,92,93,96,98 26200,1,8,15,19,20,33,36,38,48,55,56,59,64, 66-71,75,78-81,83,85-88 26300-2,6,10,20,21,46-48,64,70-73,75,81, 83,85,90,91,94,96 26400,12,13,22 27403,5,6,9-14,16-28,31-33,35,36,38-40,43, 46,47,49,52,57-59,63,65,68-70 -----		1-LAS 40	54265217,54266892	9/3,5 x 11,6 x 15,9
Alternative w/o. terminal			1-LAS 41	54265216	9/3,5 x 11,6 x 15,9
LASX 15-27 P/N 0 1609 1	271735(-1) (TAB 120)	12 Volt		M35J,K 25137,45-50,56,57,59,65-68,78,80,82-87,90,91 25204,7,9,10,13-16,19,23,34,38,39,41,42,46,49,50, 53,55,59,62,64-66,68-74,76-84,87-92,94,98,99 25311,27,29,30,42,43,45-48,68,73 25400 60925019,2 -----	
2-LAS 15	271491,5426	7,9 x 19,05 x 22,2	LASX 42 P/N 0 1618 1	54244979	12 Volt
2-LAS 27	271492,5426	7,9 x 19,05 x 22,2	4-LAS 42	54258779,54262842	9 x 20 x 26
	M45G(-1) -----			M50, M127 -----	
LASX 30-31-32 P/N 0 1613 1	54256907 (TAB 106) 60600626,60600688	12 Volt	LASX 43-44 P/N 0 1628 1	54246258 (TAB 124)	12 Volt
1-LAS 30	54258277 (flex length 90 mm)	7,9 x 19,05 x 22,2	1-LAS 43	with terminal	10,3/4,7 x 13,3x17,5
1-LAS 31	54258280-7238 (flex length 65 mm)	7,9 x 19,05 x 22,2	1-LAS 44	54243725	10,3/4,7 x 13,3x17,5
2-LAS 32	54257236	7,9 x 19,05 x 22,2		M100 25642-44,47-49,51,54,62,74,75,84-87,89,91,92,95,98 25703-7,9-12,16-22,28-32,34,35,39,42,43,49-51,54-56 27466 -----	
	25585,25586,26209 -----		LASX 43-44/0 P/N 0 1619 1	54246258 (TAB 124)	
LASX 31 P/N 0 1614 1	54258592 (TAB 119)	12Volt	2-LAS 44	54243725 w/o. terminal	10,3/4,7x13.3/17,5
4-LAS 31	54257238 54258280 (flex length 65 mm)	7,9 x 19,05 x 22,2			
	M50 26211,91 26338,39,95				



LUCAS

LASX 43-47-48 P/N 0 1622 1	60600220 (TAB 113) 60600298	12 Volt	LASX 85-84 P/N 0 1611 1	60600946 (TAB 134)	12 Volt
1-LAS 43 1-LAS 47 1-LAS 48	25699 25724,46,48 M 100 -----	10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5	1-LAS 85 2-LAS 84	bus bar assembly 54291050 brush & clip assy. 54290791 M78R clock -----	6,8 x 13,8 x 9,4 6,8 x 13,8 x 9,4
LASX 44-45 P/N 0 1620 1	60600196 (TAB 116)	12 Volt	LASX 86-79-80 P/N 0 1623 1	60600953 (TAB 136)	12 Volt
1-LAS 45 1-LAS 44	54243725 25631,59,68,70,77-83,94,97 25700,1,45 M 100 -----	10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5	1-LAS 86 1-LAS 79 1-LAS 80	bus bar assembly 54291874 brush 54292331 flex 65mm brush 54291968 flex 99mm	7,0 x 13,7 x 12 7,0 x 13,7 x 12 7,0 x 13,7 x 12
LASX 46-47-48 P/N 0 1612 1	60600205 (TAB 114)	12 Volt	LASX 87-77-78 P/N 0 1624 1	60600911 (TAB 131)	12 Volt
1-LAS 46 1-LAS 47 1-LAS 48	25696 M 100 -----	10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5	1-LAS 87 1-LAS 77 1-LAS 78	bus bar assembly 54291894 brush 54291966 flex 50mm brush 54291967 flex 74mm M79 clock -----	7,0 x 13,7 x 12 7,0 x 13,7 x 12 7,0 x 13,7 x 12
LASX 73-41 P/N 0 1621 1	60600767 (TAB 103) 9937303 FIAT	12 Volt	LASX 88-77-78 P/N 0 1625 1	60600961 (TAB 137)	12 Volt
1-LAS 41 2-LAS 73	54265216 25326,31-33,35-40,44,49-51,54-57,59-62,65,66, 69-72,74-80,82-85,87-89,97,98 25404,5,10,11 M 90 -----	9/3,5 x 11,6 x 15,9 9/3,5 x 11,6 x 15,9	1-LAS 88 1-LAS 77 1-LAS 78	bus bar assembly 54291873 brush 54291966 flex 50mm brush 54291967 flex 74mm M79 clock -----	7,0 x 13,7 x 12 7,0 x 13,7 x 12 7,0 x 13,7 x 12
LASX 81-82 P/N 0 1607 1	60600944 (TAB 135)	12 Volt	LASX 90-91 P/N 0 1626 1	60600919 (TAB 138)	12 Volt
1-LAS 81 2-LAS 82	bus bar assembly 54291121/24 brush & clip assy. 54291261 M78R anticlock -----	6,8 x 13,8 x 9,4 6,8 x 13,8 x 9,4	1-LAS 90 2-LAS 91	bus bar assembly 54291003 brush & clip assy. 54291260 M80R anticlock -----	6,8 x 19,8 x 9,4 6,8 x 19,8 x 9,4
LASX 83-84 P/N 0 1610 1	60600936 (TAB 133)	12 Volt	LASX 92-93 P/N 0 1627 1	60600920 (TAB 132)	12 Volt
1-LAS 83 2-LAS 84	bus bar assembly 54291119 brush & clip assy. 54290791 M78R clock	6,8 x 13,8 x 9,4 6,8 x 13,8 x 9,4	1-LAS 92 2-LAS 93	bus bar assembly 54291002 brush & clip assy. 54290390 M80R clock	6,8 x 19,8 x 9,4 6,8 x 19,8 x 9,4



MAS 3

MAS 13
MAS 15MAS 14
MAS 16MAS 17
MAS 19MAS 18
MAS 20MAS 21
MAS 23MAS 22
MAS 24MAS 25
MAS 27MAS 26
MAS 28

MARELLI

MASX 3
P/N 0 1662 1 24 Volt

4-MAS 3 743 713 10,09010905 9 x 20 x 26

MT31AC,43DC
632 131 27; 632 143 49

MASX 13-14
P/N 0 1663 1 24 Volt

2-MAS 13 723 632 01, 09927791 8 x 25 x 23
2-MAS 14 723 632 02, 09927792 8 x 25 x 23

MT67A,AA,AB,AC,B,BA,C,CA,D,DA,DB,F,FA,FB,G,H,L
632 167 01-04,06-08,10,25-27,33,38,40,47,48,63
24 V - 4 KW

MASX 15-16
P/N 0 1664 1 12 Volt

2-MAS 15 723 632 03/05/07,9929080 10 x 25 x 23
2-MAS 16 723 632 04/06,9928448 10 x 25 x 23

MT68AA,AB,B,BA,H,LA,LB,M,MA,MB,P,PA,Q,QA,R
632 168 02,8,11,14,15,16,25,26,27,33,
51,59,73,74,76,98
12 V - 3,5 KW

MASX 17-18
P/N 0 1665 1 12 Volt

2-MAS 17 723 837 01, 09956556, 79019316 9 x 16 x 23
2-MAS 18 723 837 02, 09956552, 79019317 9 x 16 x 23

MT71A,D,E,FA,H,L,LA,N,R,S,T,U,V,Z
632 171 01,04-08,10,12,16-21,25,38,47,73,82
174 01-04

MASX 19-20
P/N 0 1666 1 24 Volt

2-MAS 19 723 837 03/05 9 x 16 x 23
2-MAS 20 723 837 04/06 9 x 16 x 23

MT72AB
632 172 25
24 V - 3,0 KW

(porta spazzole + bobina)

MASX 21-22
P/N 0 1668 1 (721 650 01 + 721 659 01) 24 Volt

2-MAS 21 721 624 02 8 x 25 x 23
2-MAS 22 721 624 01 8 x 25 x 23

MT 67 AD,CB
632 167 31,41
24 V - 4,0 KW

MASX 23-24
P/N 0 1669 1 (721 647 01 + 721 658 01) 12 Volt

2-MAS 23 721 624 04 10 x 25 x 23
2-MAS 24 721 624 03 10 x 25 x 23

MT 68 AD,LC,MC,PA,PB,RA,S,T
632 168 17,18,31,52,61,84,96
12 V - 3,5 KW

MASX 25-26
P/N 0 1670 1 (721 641 01 + 721 660 01,02 + 721 684 01) 12 Volt

2-MAS 25 721 613 02 9 x 16 x 23
2-MAS 26 721 613 01 9 x 16 x 23

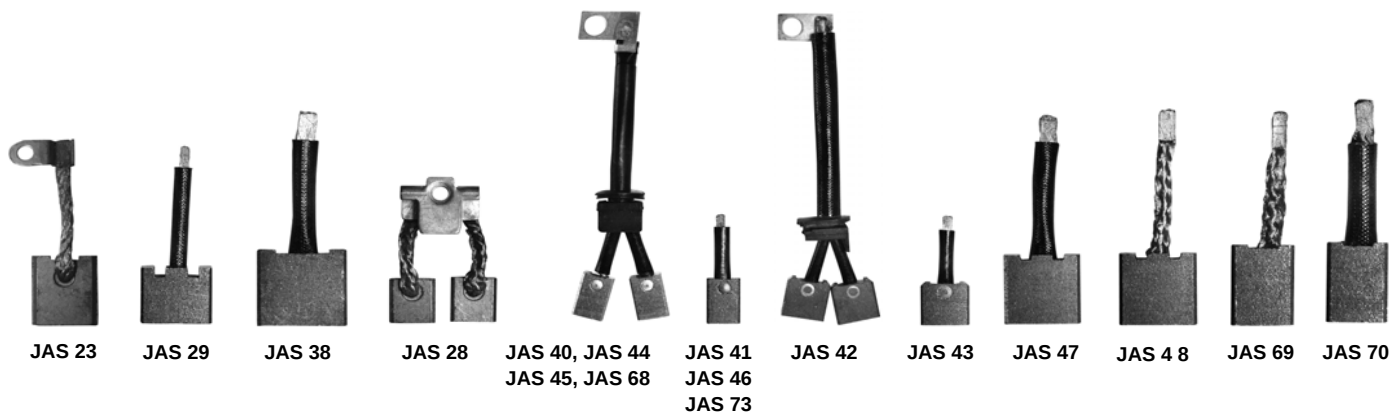
MT 71 AB,DB,FB,GB,HB,RB,SB,LA,TA,UA,VA
MT 74 AA,BA,DA

632 171 26,48,54,56,58,63,80,86,88,97
632 174 07,08,10,25,33,47
12 V - 2,5 KW

MASX 27-28
P/N 0 1671 1 (721 641 02 + 721 657 01) 24 Volt

2-MAS 27 721 613 04 9 x 16 x 23
2-MAS 28 721 613 03 9 x 16 x 23

MT 72 AB
632 172 26
24 V - 3,0 KW



MITSUBISHI

JASX 23 P/N 0 1980 1

12 Volt

4-JAS 23 M648D10471 6,0 x 14 x 16

Honda 31200-PC6-663,PD2-663,
PEO-664,PE1-674,PH3-953
Mazda 0135 18 444A,445A
Mitsuba SM302-02,07,08,18
Mitsubishi MD602593,594

JASX 29 P/N 0 1949 1

12 Volt

4-JAS 29 M648C10171 6,8 x 16,5 x 14
M648C10671

Mazda 0603-23-643
Mitsubishi E64457044M
Nissan 23380-10611
23380-21010

JASX 38 P/N 0 1936 1

24 Volt

4-JAS 38 M648C25271 8 x 20 x 18
M648C25273

JASX 40-41 P/N 0 1953 1

12 Volt

1-JAS 40 M647C00271,272 4,5 x 12 x 17,5
M647C00571,573

2-JAS 41 M648C31171 4,5 x 12 x 17,5

Mazda M1T71381/71881
Mitsubishi MD611216
MD611217
Nissan 23380-421-70
23379-AA000

JASX 42-43 P/N 0 1954 1

12 Volt

1-JAS 42 M647C00371 4,5 x 18 x 17,5
M647C00671
M647C01771

2-JAS 43 M648C32971 4,5 x 18 x 17,5

Mazda N327-18-X66
Mitsubishi MD611918

Unit-Nos. M1T71781
M1T74381
M1T75781

JASX 44-28 P/N 0 1941 1

Brush-Holder

12 Volt

M321X05171
M647X03471,04571
M647X05571,05871

1-JAS 28 pair of negative brushes 4,5 x 12 x 12,5
1-JAS 44 pair of positive brushes 4,5 x 12 x 12,5

Mitsubishi M1T60285

JASX 45-46 P/N 0 1956 1

Brush-Holder

12 Volt

1-JAS 45 M647C00171 4,5 x 10 x 17,5
2-JAS 46 M648C16471 4,5 x 10 x 17,5

Mitsubishi MD607897
MD607899

JASX 47-48 P/N 0 1957 1

Brush-Holder

12 Volt

2-JAS 47 M648C20371 6,5 x 19 x 19,3
M648C22371

2-JAS 48 M648C24471 6,5 x 19 x 19,3
M648C24472
M648D20671
M648D20771

Mazda 0839-24-723
Mitsubishi MM502019
MM502135
Nissan 23379-37504

23379-99008
23379-J2000
23380-37504
23380-37505
23380-J2000
29042-L7000
29142-L5000
29142-L7005
29242-L4005

JASX 68-73 P/N 0 1976 1

Brush-Holder

12 Volt

1-JAS 68 Positive Pair M647C00871 4,5 x 12 x 16,5
2-JAS 73 Single Brush 4,5 x 12 x 16,5

Mitsubishi MD611731

M1T70483,72581,72583,
73281,73283,73383,
77681

JASX 69-70(3) P/N 0 1970 1

Brush-Holder

12 Volt

1-JAS 69 M648C12170,12370 6,8 x 11,8 x 17,2
2-JAS 70 M648C13770 6,8 x 11,8 x 17,2

Mazda 0222-24-753
0426-24-753
Mitsubishi MD602470/MD607389
Nissan 23380-U0110/E3010
Suzuki 31132-72030/31



JAS 69
JAS 82

JAS 70
JAS 83

JAS 71

JAS 72

JAS 90

JAS 91

JAS 96
JAS 98

JAS 97
JAS 99

JAS 100

MITSUBISHI

JASX 69-70(4) Brush-Holder **12 Volt**
P/N 0 1971 1 M649T04471
M649X03171,09571

2-JAS 69 M648C12170 **6,8 x 11,8 x 17,2**
2-JAS 70 M648C13770 **6,8 x 11,8 x 17,2**

Citroen JMTSX 100
Mazda 0222-24-750/0222-24-753
0426-24-753/N202-24-750
Mitsubishi MD602468/MD607420
Nissan 23378-N5911
23380-U0110/B5010/E3010
Peugeot JMTSX 100
Suzuki 31132-72030/31

JASX 70 Brush-Holder **12 Volt**
P/N 0 1967 1 M649T04171,04973

4-JAS 70 M648C13770 **6,8 x 11,8 x 17,2**
M648C10371B

Mazda 0222-24-753/N202-24-750
Mitsubishi MD602069/MD607949/MM502344
Nissan 23380-E3010
23378-N5911/N5910

JASX 71 Brush-Holder **12 Volt**
P/N 0 1973 1 M649T02171,02172

4-JAS 71 M648C25671 **8 x 24 x 17**

Mazda SE01-24-750
R201-18-X66
Mitsubishi MD611024/ME700858

JASX 71-72 Brush-Holder **12 Volt**
P/N 0 1972 1 M649T04971,4972

2-JAS 71 M648C25671 **8 x 24 x 17**
2-JAS 72 M648C25672 **8 x 24 x 17**

Mazda R201-18-X66
R201-24-750
S203-24-750
SE01-24-750
Mitsubishi ME700047/ME700290
ME700939

JASX 82-83(3) Brush-Holder **12 Volt**
P/N 0 1981 1 M649T01371,4871

1-JAS 82 M648C14970 **7 x 10 x 17**
2-JAS 83 M648C14870/-15070 **7 x 10 x 17**

Mando Melroe 36173-11140
36170-2170 Brush-Holder
Mazda E301-24-753
E501-24-753
Mitsubishi MD607554MD607556 (3)
Nissan 23380-M8310
23380-M8311
Suzuki 31131-80090
31132-80090
Subaru 49206-5804
49207-5804

JASX 82-83 (4) Brush-Holder **12 Volt**
P/N 0 1983 1

2-JAS 82 M648C14970/-14971 **7 x 10 x 17**
2-JAS 83 M648C14871/-15070 **7 x 10 x 17**

Mazda B630-18-X66
B660-18-X66
E301-24-750, -753
E501-24-753
Mitsubishi MD607554/-556
Nissan 23379-M8310
23380-M8311
Suzuki 31131-80090
31132-80090

JASX 90 Brush-Holder **12 Volt**
P/N 0 1989 1 M649T04372

4-JAS 90 **8 x 20 x 17**

Mazda 1456-24-723
1456-24-750
Mitsubishi MD607461
Nissan 23378-W2810

JASX 91 Brush-Holder **12 Volt**
P/N 0 1990 1 M649T00771

4-JAS 91 flex 42 mm **7 x 14 x 16**

Mitsubishi M001T50172,471
Nissan Diesel Gear Starter
Peugeot 205, 309 Diesel
JMTSX101

JASX 96-97 Brush-Holder **24 Volt**
P/N 0 1995 1 M648X28671/M649T05072

2-JAS 96 M648C26371 **6,8 x 18 x 18**
2-JAS 97 **6,8 x 18 x 18**

Mitsubishi ME700140/ME701169
Nissan 23330-T9000

JASX 98-99 Brush-Holder **12 Volt**
P/N 0 1994 1 M648X28271/M649T05071

2-JAS 98 M648C15372 **6,8 x 18 x 18**
2-JAS 99 M648C15472 **6,8 x 18 x 18**

Mazda 8599-24-750
Mitsubishi MD618460
ME700127/ME701188
Nissan 23378-W3410

JASX 100 Brush-Holder **12 Volt**
P/N 0 1999 1

4-JAS 100 M648C35871 **4,3 x 12 x 12.3**

MOT20871





PLS 5

31



**US 21, US 23
US 60,
US 76-78**



**US 44, US 45
US 59, US 73**



US 50



US 51



US 85



US 91



US 92



US 93

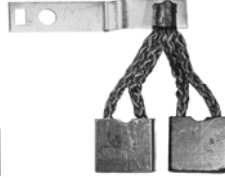
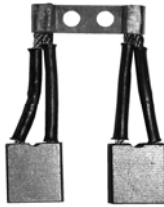


US 94

VALEO Ducellier Starter

USX 44-21 P/N 0 1351 1	75217 (Valeo 182 194)	6 Volt
1-US 44 1-US 21	93541 93543	8 x 15 x 15 8 x 15 x 15
	371A,376A,381ABCD,393A,398A,401A,426A,434A 6010ABDE,18A,60A,80B,6112ABCDE,13AB, 6120A,35ACDE,48A,67A,88A -----	
USX 45-23 P/N 0 1352 1	75226	12 Volt
1-US 45 1-US 23	93611 93612	8 x 15 x 15 8 x 15 x 15
	391A,6023A,B,C,D,E -----	
USX 50-51 (2) P/N 0 1353 1	79325	6/12 Volt
1-US 50 1-US 51	98067,79249,680548 98068,79248,680549	8,8 x 19,05 x 13 8,8 x 19,05 x 13
	350B,384A,385A,395A,396A,399AB,414AB, 422ABC,423ABC,429AB,430AB,442AB, 6002A,3A,38A,41A,43A,54AB,66A,67A,69A, 6094A,96A,6123AB,25A,56A,82A -----	
USX 50-51(4) P/N 0 1354 1	618509	6/12 Volt
2-US 50 2-US 51	98067,79249,680548 98068,79248,680549	8,8 x 19,05 x 13 8,8 x 19,05 x 13
	412A,428AB,429B,430B,432A,443AB 6008ABC,39A,40A,56ACDEFGHJ,62A,68A, 6070A,75A,76A,79BCD,83ABCD,85A,88A,89A, 6097A,98A,99ABCD 6103A,4A,8A,9ACDEFGHJ,KL;10ABC,16A-18S 6127ABC,40A,42A,46A,53A,58A,60ACDEFG, 6164ABC,68AB,69AB,77ACD,79A,80AB,82A 6184AC,92ABCJ,KL;93AB 6207ABC,9AB,29AB,30AB,32A,33A 536 001,2C 538 000ABC, 1A-3A,5AD,6A 618 072H,75AC,89AB -----	
USX 60-59 P/N 0 1355 1	75238, 618481	12 Volt
1-US 60 1-US 59	99562 99556	8 x 15 x 15 8 x 15 x 15
	434B,5130A 6020ABCD,23BCDE,33,34AB,35ABCDE 6048,49A,50ABC,73ABCD,77ABC,81ABCDEF, 6101AB,21A,22AB,28AB,29A,30A,34ACDEFGH, 6136ABD,37ACDEF,38ABC,39AB,43A,44AB,47AB, 6155ABCEG,57A,61ABCEFH,62ACE,70A,71A, 6172AB,74ACDEFG,75AB,76ABCEG,81A,83ABCFG, 6185ABC,87ABCEF,89ACDEF,90AB,95A,97A 6202AB,3ABCD,6AB,8A,12AB,15ABCD,16ABC,17ABCDE, 6219ABC,20ABC,21A,23A,24BCD,26A,27ABCD,31ABCD, 6236BC,37ABCD,38ABCD,40A-42A,44A,45A,47AB, 532000AB,1AB,2ABC,3AB,4ABC,5A,7A,8ABC,9AB, 532010AB,11A,14A,17A,18A,20AB, 533000A-4A 583008 618070,71,73,74,77,78,91, 618358,482,484,490 618565,795	

USX 73-85 P/N 0 1361 1	618491	12 Volt
1-US 73 1-US 85	(cable 41 mm) (618 421)	8 x 15 x 15 8 x 15 x 15
	6020EF,35F,77BC,81EF 6134FGH,36ABD,37ABCE,39BC,44AB 6155HIKL,61ABCEFH,62ACE, 6172B,74ADBCEFGH,75AB,76EG 6181A,83ABCFG,85ABC,87CEF,89DEF, 6190AB,95A,97A, 6201ABCD,2AB,3ABCD,6AB,8AB,12AB,15ABCD, 6216ABC,17ABCDE,18A,19ABC,20ABC,21A-23A, 6224ABCD,26A,27ABCD,31ABCD,36BC,37ABCD, 6238ABCD,40A-42A,44A,45A,47AB 6627AB 532000AB,1AB,2ABC,3AB,B,4AB,C,5A,7A,8ABC 532009AB,10AB,11A,14A,17A,18A,20AB, 533000A,1A,2A,3A,4A 618074,77,91 618482,84 -----	
USX 76-77-78 P/N 0 1363 1	618539	12 Volt
2-US 76 1-US 77 1-US 78	22136 (cable 48 mm) 22142 (cable 58 mm) 22143 (cable 53 mm)	8 x 15 x 15 8 x 15 x 15 8 x 15 x 15
	6178ABCDE,6200AB,25AB,39AB, 536 001A 618 076ABC -----	
USX 91-92 P/N 0 1367 1	583041 (618691,692)	12 Volt
1-US 91 1-US 92	(680 752) (680 753)	6/11,7 x 13 x 15 6/11,7 x 13 x 15
	6202CDEF,17FGH,41B,46AC 532012AB,16AB,21A,23A,24AB,25AB,26A, 534000A,2A,3ABC,4AB,5ABC,7A,9ABC,23A,24A,29A,31A, 534032A,39A,42AB,43AB,44A-49A,50AB,51A,52A,53C,54D, 55E,57A -----	
USX 93-94 P/N 0 1368 1	583241, 583320	12 Volt
2-US 93 1-US 94		5,5/8,2x13,1x15/18,5 5,5/8,2x13,1x15/18,5
	532024AB,25A,27A 534024A,25A,27A,28A,35A,36A	



PS 55, PS 64
PS 115
PS 119

PS 70, PS 76
PS 116
PS 120

PS 81
PS 83

PS 82
PS 84

PS 88

PS 89

PS 90

PS 112

PS 122
PS 129a

PS 123

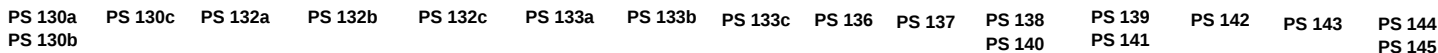
PS 124
PS 129b

VALEO

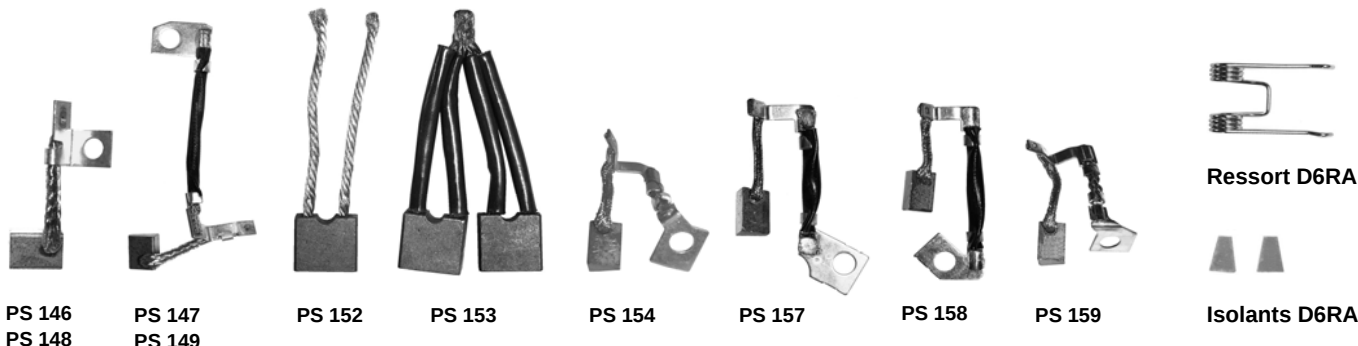
Paris-Rhone

PSX 55-76 P/N 0 1738 1	72 616F (Valeo 182 069)	6/12 Volt
1-PS 55 1-PS 76	44a30 44a D8L11,19,20 -----	10 x 18 x 14 10 x 18 x 14
PSX 64-70 (2) P/N 0 1741 1	72 591A (Valeo 182 097)	12 Volt
1-PS 64 1-PS 70	34t19 34t D10B38-41,44,45 -----	7 x 18 x 17 7 x 18 x 17
PSX 64-70 (4) P/N 0 1742 1	75 452X (Valeo 182 098,102,103)	12 Volt
2-PS 64 2-PS 70	34t19 34t D10E47,72-74,79,96 D11E79,D109,110,142,143,159,165 -----	7 x 18 x 17 7 x 18 x 17
PSX 81-82 P/N 0 1746 1	72 631G, 300679 (Valeo 182 114) 75093 G (Valeo 182 115, 117)	12 Volt
2-PS 81 2-PS 82	70f 70f34 D11E92,T,104,117-121,127,129,T,131,137, 141,146,149,153,T,154,155,158,160,167, -T 169,173,176,178,202 -----	10 x 25 x 17 10 x 25 x 17
PSX 83-84 P/N 0 1750 1	72 630F (Valeo 182 132, 182 145)	24 Volt
2-PS 83 2-PS 84	70j 70j34 D11E81,T,88,89,T,TE,90,T,98,T,TE,99,T, 103,114,122,T,124,125,128,T,130,138T,149 D13E63,T,64-66,T,69,T,70,T,71,73,TE 74,TE,81,T,TE,82T,83-85,88,90TE,95, 100TE,101TE,104TE,105,108TE,111,112,116 -----	10 x 25 x 17 10 x 25 x 17
PSX 88 P/N 0 1756 1	72 615E (Valeo 182 162)	24 Volt
4-PS 88	53j15 D15E14-16,19-23,24,T,25-30,T,TE -----	12 x 18 x 20
PSX 89-90 P/N 0 1747 1	594286	24 Volt
2-PS 89 2-PS 90	 D13HP601,605	10 x 25 x 20 10 x 25 x 20

PSX 112 P/N 0 1755 1	78 900U (Valeo 182 146)	24 Volt
4-PS 112	47u53 D13E76,77,86TE,87TE,93TE,94TE,96TE,98TE, 107TE,109TE,110TE -----	10 x 18 x 17
PSX 115-116 P/N 0 1757 1	92 655V (Valeo 182 064)	12 Volt
1-PS 115 1-PS 116	52h 52h D8E21,22,L25,E27,30,31,37,41,43,49,50,54,58-60 64,66,70,71,75-78,81-84,86-89,94-98,102, 104,106,108,109,112-115,117-126,129,132-134 136,137,139,140,142,144,147,151,152,158 D9E7,9,11,12,14-22,26-28,34,35,37,41 D10E43,48-50,53,54,57,63-65,69,76,80,84,86 -----	7 x 18 x 14 7 x 18 x 14
PSX 115-116-121 P/N 0 1759 1	92 694G, 92 695H 300.700T (Valeo 182 099,112,113,116,133)	12 Volt
2-PS 115 2-PS 116	52h 52h D10E59,62,66 D11E58,69,75,78,84,85,108,123,139,T,140,144, 163,164,170,180,181,193 -----	7 x 18 x 14 7 x 18 x 14
PSX 119-120 P/N 0 1760 1	92 656W (Valeo 182 070) 78 166L(Valeo 182 072)	12 Volt
1-PS 119 1-PS 120	55h 55h D8E26,29,34,L35,E40,44-46,51,52,62, 65,L65,67,73,E74,L80,90-93,E99,103 107,111,116,130,131,141,148,154 -----	7 x 15 x 14 7 x 15 x 14
PSX 122-123-124 P/N 0 1761 1	92 765Z (Valeo 182 073)	12 Volt
1-PS 122 1-PS 123 1-PS 124	(cable nu) (cable isol.) D8E145,153,155,157 -----	9,7/4,2x12,4x15 9,7/4,2x12,4x15 9,7/4,2x12,4x15
PSX 129 P/N 0 1766 1	92 878G (Valeo 182 065,594 065)	12 Volt
1-PS 129 a 2-PS 129 b	80hb 80hb D9E31,40,43-46,49-55,62,74,75,77,79,85, 87,95,98,100,102,104,111,131,138,140, 200,238,300,771-774,776,851,852	10,6/6,1x10,3x15 10,6/6,1x10,3x15



PSX 130 P/N 0 1767 1	92 883, 300.687A (Valeo 182 068)	12 Volt	PSX 138-139 (2) P/N 0 1775 1	Valeo 182 054 (jeu de bobines)	12 Volt
1-PS 130 a 1-PS 130 b 2-PS 130 c	(cable 64 mm) (cable 40 mm)	10,6/6,1x10,3x15 10,6/6,1x10,3x15 10,6/6,1x10,3x15	1-PS 138 1-PS 139	82aa 82aa	9 x 18 x 22 9 x 18 x 22
	D9E32 -----			D9R84 D9R121 -----	
PSX 132 P/N 0 1769 1	92 925 (Valeo 182 118)	12 Volt	PSX 140-141 (4) P/N 0 1776 1	Valeo 182 051 (jeu de bobines)	12 Volt
2-PS 132 a 2-PS 132 b	44t 44ta	10 x 18 x 14 10 x 18 x 14	2-PS 140 2-PS 141	82ta 82ta	9 x 18 x 22 9 x 18 x 22
	D11E148,156,161,172,177,184, 187,188,191,192,195,272 -----			D9R73,89-91,96,99,105,106,118,122,126, 135,139,142 -----	
PSX 132 K P/N 0 1762 1	92 925 (Valeo 182 118)	12 Volt	PSX 142-143 P/N 0 1779 1		12 Volt
2-PS 132a 2-PS 132 c	44 t 44 ta avec cosse -----	10 x 18 x 14 10 x 18 x 14	2-PS 142 2-PS 143	185658 cable nu 35 mm cable isol. 35 mm	7 x 14 x 13,7 7 x 14 x 13,7
				D7R -----	
PSX 133 P/N 0 1770 1	300 706Z (Valeo 182 067/594 066)	12 Volt	PSX 142-144 P/N 0 1752 1		12 Volt
1-PS 133 a 1-PS 133 b	79hb 79hb	13,9/6,9x12x15 13,9/6,9x12x15	2-PS 142 2-PS 144	187778 cable nu 35 mm 187779 cable isol. 55 mm	7 x 14 x 13,7 7 x 14 x 13,7
	D9E36,38,39,48,56,57,61,64,66,68-70,76,78, 81-83,86,92-94,101,107-110,113,114, 123-125,127,129,132,136,137,237, 276,278,701,702,861 -----			D7R5,11,15 -----	
PSX 133 E P/N 9 1758 1	300 706 (Valeo 182 067)	12 Volt	PSX 142-145 P/N 0 1754 1		12 Volt
1-PS 133 a 1-PS 133 b 2-ressorts 2-cabochoons	79hb 79hb alternative Kit for PSX 133 -----	13,9/6,9x12x15 13,9/6,9x12x15	2-PS 142 2-PS 145	185658,187639,191861 cable nu 6 mm², 35 mm 188571,191663,191862 cable isol. 3 mm², 55 mm	7 x 14 x 13,7 7 x 14 x 13,7
				D7R VW overload protection starter	
PSX 133 K P/N 0 1763 1	300706 (Valeo 182 067)	12 Volt			
1-PS 133 b 1-PS 133 c	avec cosse alternative Brush Set for PSX 133 -----	13,9/6,9x12x15 13,9/6,9x12x15			
PSX 136-137 P/N 0 1771 1	300 841H, 300 842	12 Volt			
2-PS 136 2-PS 137	81ta 81ta	7 x 15 x 18,5 7 x 15 x 18,5			
	D10E85,87-90,92,881,882,921,922				



VALEO Paris-Rhone

PSX 146-147 P/N 9 1777 1	594064 jeu de balais et ressort 594072 palier collecteur complet	12 Volt
1-PS 146 1-PS 147 2-Isolants 1-Ressort	184602 184030,184205	4,5/9 x 11 x 14 4,5/9 x 11 x 14
P/N 0 1783 1 sans Ressort	D6RA8,10 SH 1.2 kw -----	
PSX 148-149 P/N 9 1778 1	594060 jeu de balais et ressort 594070 palier collecteur complet	12 Volt
1-PS 148 1-PS 149 2-Isolants 1-Ressort	187069,188151,188389 564834 182505,551 183199,212 184413,470,471 185310,874	4,5/9 x 11 x 18 4,5/9 x 11 x 18
P/N 0 1773 1 sans Ressort	D6RA5,6,12,16,18,20,38,45,61 SH 1.1/1.2 kw -----	
PSX 148-149/0 P/N 0 1774 1	594060	12 Volt
2-PS 148/0 2-Isolants	sans cosse Alternative Brush-Set with flex only -----	4,5/9 x 11 x 18
PSX 148-154 P/N 9 1765 1		12 Volt
1-PS 148 1-PS 154 2-Isolants 1-Ressort	187069,188151,188389 188388	4,5/9 x 11 x 18 4,5/9 x 11 x 18
P/N 0 1765 1 sans Ressort	D6RA	

PSX 148-157 P/N 9 1779 1	594063,123-125,127,160,161,165,174, 179,254 jeu de balais et ressort 594129,130,253 palier collecteur complet	12 Volt
1-PS 148 1-PS 157 2-Isolants 1-Ressort	187069,188151,188389 186772,187068,188855 183450,940 184231,348,456,457,550,646,727,880,881, 185243-246,597,690,722,740-742,758,850 186045,140,214,215,269,276,424,441,442, 476,625,626,708,887 187027,259,332,515 188339 D6RA7,13,15,17,19,21-23,25-30,32,34,39-44,46,48-50 52-56,59,60,62,63,66,70,72,75,141,161,661,721	4,5/9 x 11 x 18 4,5/9 x 11 x 18
P/N 0 1777 1 sans Ressort	SH 1.0/1.05/1.1/1.2/1.3 kw SIH 1.1/1.2 kw -----	
PSX 148-158 P/N 9 1780 1	594169,386 jeu de balais et ressort 594132,385 palier collecteur complet	12 Volt
1-PS 148 1-PS 158 2-Isolants 1-Ressort	187069,188151,188389 186865,187870,188430 182549 185547,722 186060,502,848,886 187026 188401,564 190549	4,5/9 x 11 x 18 4,5/9 x 11 x 18
P/N 0 1768 1 sans Ressort	D6RA33,37,47,51,57,101,133,571 SH 1.0/1.1/1.2/1.4 kw -----	
PSX 148-159 P/N 9 1781 1	594317,360 jeu de balais et ressort 594318,323,359,364 palier collecteur complet	12 Volt
1-PS 148 1-PS 159 2-Isolants 1-Ressort	187069,188151,188389 186925,187737,188150,188803 1875047,507,509 188102,103,652-654 190652	4,5/9 x 11 x 18 4,5/9 x 11 x 18
P/N 0 1778 1 sans Ressort	D6RA67,78-81,91,167,180,181 SH 1.0/1.1 -----	
PSX 152-153 P/N 0 1780 1	182037	24 Volt
4-PS 152 2-PS 153		10 x 18 x 17 10 x 18 x 17
	D13E117TE-123TE D13HP701-705,709	



PS 155



PS 156



PS 160



PS 161



PS 163

PS 164
PS 165PS 166
PS 168
PS 169PS 167
PS 170

VALEO

Paris-Rhone

PSX 155 (3) P/N 0 1727 1	594290 Porte-Balais complet	12 Volt
3-PS 155	187144	6,4 x 8 x 11
	187212,188728 190677-79,779 D7E 1,16,29-32 SH 0.7/0.8/0.85 kw -----	
PSX 155 (4) P/N 0 1728 1	594351 Porte-Balais complet	12 Volt
4-PS 155	187144	6,4 x 8 x 11
	187682 188063,329,707 190080,166,167,227,229 D7E4,6,8,15,18-20,22,27 D7ED28 SH 0.8/0.85/1.0 kw Mercedes A -----	
PSX 156 P/N 0 1726 1	594381 Porte-Balais complet	12 Volt
4-PS 156	187888	6,4 x 8 x 11
	188279,190172,190396 D7ES 2,4,5 SIH 0.9 kw VW -----	
PSX 160-164 P/N 0 1735 1	190986, 191060, Porte-Balais 191821-823	12 Volt
2-PS 160 2-PS 164	balais positive avec 2 shunts 28mm balais negative avec 1 shunt 25,5mm	7 x 13 x 11,5 7 x 13 x 11,5
	190365 D7G 3,4,6 SH 1.5-1.7 kw overload protection starter Audi,BMW, PSA, -----	
PSX 161 P/N 0 1737 1		12 Volt
4-PS 161	1903131	7 x 14 x 13,7
	D8R 1,27 SH 1.9/2.4 kw -----	
PSX 163-164 P/N 0 1740 1	190987,191824 Porte-Balais	12 Volt
2-PS 163 2-PS 164	balais positive avec 2 shunts 50mm balais negative avec 1 shunt 25,5mm	7 x 13 x 11,5 7 x 13 x 11,5
	D7G SIH overload protection starter VW	

PSX 165-164 P/N 0 1731 1	192984 Porte-Balais	12 Volt
2-PS 165 2-PS 164	balais positive 1 shunt 28mm 2.0mm² balais negative 1 shunt 25,5mm 2.5 mm²	7 x 13 x 11,5 7 x 13 x 11,5
	 D7G SH overload protection starter -----	
PSX 166-167 P/N 0 1743 1		12 Volt
2-PS 166 2-PS 167	191849 191771	3,9/6,4 x 10 x 15,5 3,9/6,4 x 10 x 15,5
	D6G1,2,3,5 SH c/w BMW, Fiat, Mercedes, PSA -----	
PSX 168-167 P/N 0 1744 1		12 Volt
2-PS 168	192285	3,9/6,4 x 10 x 15,5
2-PS 167	191771	3,9/6,4 x 10 x 15,5
	D6GSP19 SH c/w overload protection starter Audi -----	
PSX 169-170 P/N 0 1745 1		12 Volt
2-PS 169 2-PS 170	191772 191773	3,9/6,4 x 10 x 15,5 3,9/6,4 x 10 x 15,5
	D6GS11-13 SIH a/c overload protection starter VW	



Achtung! Zweistoffkohlen
Attention! 2-component brushes
Attention! Charbons à 2 composants

Repair-Kits und komplette Systeme
für D6G, D6RA, D7E, D7G und D7R Starter
finden Sie im **Kapitel 2 und 7**

Repair-Kits and Systems
for D6G, D6RA, D7E, D7G und D7R Starters
see our **chapter 2 and 7**

Kits de réparation et nécessaires de rechange
pour démarreurs D6G, D6RA, D7E, D7G et D7R
voir **chapitre 2 et 7**



GS 1, GS 7
GS 8, GS 11



GS 4



GS 9



GS 15



GS 16



GS 17

STAPLERKOHLEN BRUSHES FOR FORK LIFTS

BOSCH

GSX 1 P/N 0 1370 1	2 137 014 006	24 Volt
4-GS 1	2 134 320 036	6 x 22 x 25,5
	KND(R) 24V 500W	
	0 136 401 006-008 402 007 403 002-007 -----	
GSX 4 P/N 0 1371 1	2 137 014 014	12/24 Volt
4-GS 4	2 134 320 015	9 x 13 x 25,5
	INA(R) 12V 1500W 24V 2000W	
	0 136 355 011,013,029,030,038,045 -----	
GSX 7 P/N 0 1372 1	2 137 014 025	24/48 Volt
4-GS 7	2 134 320 056	6 x 28 x 30,5
	MM/RQL 24V 1800W QR 24V 1000/2500W QRD 24V 1200W QRL 24V/48V 1000/1800/1900/3000W	
	0 136 500 009,025,026,028 501 001,003,004,010,011,013,016,020, 021,032,033,040,045,046,051 504 011 -----	
GSX 8 P/N 0 1373 1	2 137 014 026	24/48 Volt
4-GS 8	2 134 320 059	8 x 28 x 30,5
	QR 24V 1500W QRL 24V/48V 1500/3000/3700W	
	0 136 500 029,031-033,035,036,039-042 501 042,043,049,055,056,060-062,065, 069,071-073,075-077,079-081,083- 088,090,091,093,095-097 503 014,015	

GSX 9 P/N 0 1369 1	2 137 014 027	12/24 Volt
4-GS 9	2 134 320 024	9 x 26 x 25,5
	INA 12 / 24V	
	0 136 355 014,016,018,021,023-025, 031,032,037,040 -----	
GSX 11 P/N 0 1374 1	2 137 014 030	48 Volt
4-GS 11	2 134 320 007, 009	10 x 28 x 30,5
	TRL 48V 3000W	
	0 136 602 009 603 001 -----	
GSX 15 P/N 0 1375 1	2 137 014 038	12/24 Volt
4-GS 15	2 134 320 066	9 x 26 x 25,5
	INA 12V 1400W 24V 2300W	
	0 136 350 010 352 005 353 010,011 355 049,050,57-61,064-068,070-072, 074,076-078,081 Hesselman -----	
GSX 16-17 P/N 0 1376 1	2 137 014 040	24/48 Volt
3-GS 16	2 134 320 038	10 x 50 x 30
1-GS 17	mit Meldelitze	10 x 50 x 30
	0 136 500 034 501 054,066,067 503 010	



GS 18



GS 19



GS 20



GS 21



GS 22



HPI 2

STAPLERKOHLEN BRUSHES FOR FORK LIFTS

JUNGHEINRICH LINDE STILL-WAGNER

GSX 18 P/N 0 1377 1	Jungheinrich	24 Volt
4-GS 18	28717910	8 x 28 x 30,5

GSX 19 P/N 0 1378 1	Jungheinrich	24 Volt
2-GS 19	50002735	8 x 16 x 20

GSX 20	Jungheinrich	24 Volt
4-GS 20 P/N 0 1379 1	50010069	12,5 x 20 x 25

GSX 21	Jungheinrich	24 Volt
4-GS 21 P/N 0 1383 1	50040491	12,5 x 32 x 32

GSX 22 P/N 0 1384 1	Still-Wagner	24 Volt
4-GS 22	8402140	8 x 28 x 30,5

HPIX 2 P/N 0 1801 1		12 Volt
4-HPI 2	145 110 400 070 MAD4 Faurecia	5,95 x 14,2 x 27
 Fork-Lift Linde		



HPI 1
HPI 3



HPI 4



1 5101 2

KOHLEN FÜR ELEKTRISCHE LENKHILFEPUMPEN AUXILIARY BRUSHES FOR ELECTRICAL POWER STEERING

HPI HPI

HPIX 1 P/N 0 1800 1	HPI-KOYO	12 Volt
4-HPI 1	145 110 411 034 MAD Faurecia	6,95 x 12,4 x 20,3

HPIX 3 P/N 0 1802 1		12 Volt
4-HPI 3	141 110 411 037 MAD2 Faurecia	5,95 x 12,4 x 20
	Citroen Saxo, Peugeot 106 Renault Kangoo Trafic Engine Cooler	

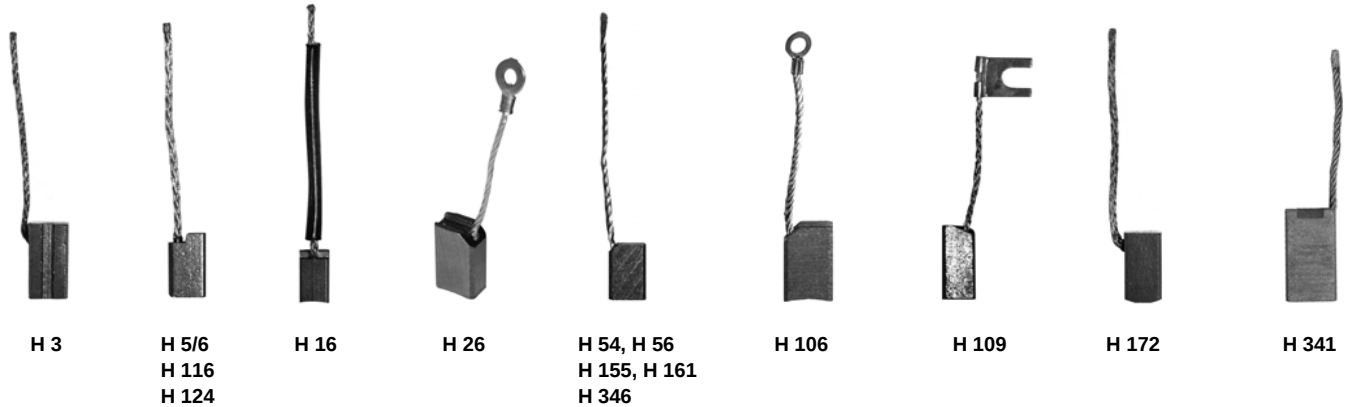
HPIX 4 P/N 0 1803 1		12 Volt
4-HPI 4	Siemens - VDO Mercedes A-class	5,45 x 12,2 x 22

1 5101 2	Spring Kit	HPIX 3
	4 special springs	

Komplette HPI-Bürstensysteme finden Sie in Kapitel 2

For complete brush-holders with harness see chapter 2

Pour rondelles porte-balais complètes, voir chapitre 2



HEIZUNGSKOHLEN BRUSHES FOR HEATER MOTORS

AVOG		
HX 106 P/N 0 1798 1		
2-H 106	00-14-16-31	12 x 8 x 21

BOI-WO		
HX 54 P/N 0 1793 1		
2-H 54	EP523BOS	5 x 6,4 x 10
Heat-on -----		
BOSCH		
HX 116 P/N 0 1790 1		
2-H 116	3 137 014 109 / 100	
	3 134 320 026 / 025	6,3 x 6,3 x 11
CPH, CRG, CRH 0 130 056 ... 057 ... 059 ... 065 001,008 997 005 -----		
HX 124 P/N 0 1791 1		
2-H 124	3 137 014 123 / 163	
	3 134 320 035 / 061	8 x 8 x 14
DPC, EPA12 0 130 106 001,003,005,008,012,014,016 205 001 -----		
HX 155 P/N 0 1788 1		
2-H 155	3 137 014 171	
	3 134 320 155	8 x 6,3 x 11
CPA, CPB, CPL 0 130 061 ... 063 ... 068 001,004,006,009,011,013,017 -----		
HX 161 P/N 0 1799 1		
2-H 161	3 137 014 162	
	3 134 320 161	6,3 x 5 x 12,5
CPK 0 130 106 002,004,007,010,015,017,019, 020,024,025,028-035 -----		
HX 172 P/N 0 1789 1		
2-H 172	3 137 014 202	
	3 134 320 101 / 172	8 x 8 x 15
JPK24 0 130 701 019		

BOSCH		
HX 341 P/N 0 1792 1		
2-H 341	3 134 320 341	8 x 10 x 19,5

HX 346 P/N 0 1787 1		
2-H 346	3 137 014 111	
	3 134 320 164 / 346	8 x 6,3 x 14
DPG12, DRB, DRH12 0 130 103 ... 104 001 105 ... 107 001,003 -----		
DUCELLIER		
HX 16 P/N 0 1794 1		
2-H 16	92 330 / 90 177	6 x 6 x 11,5

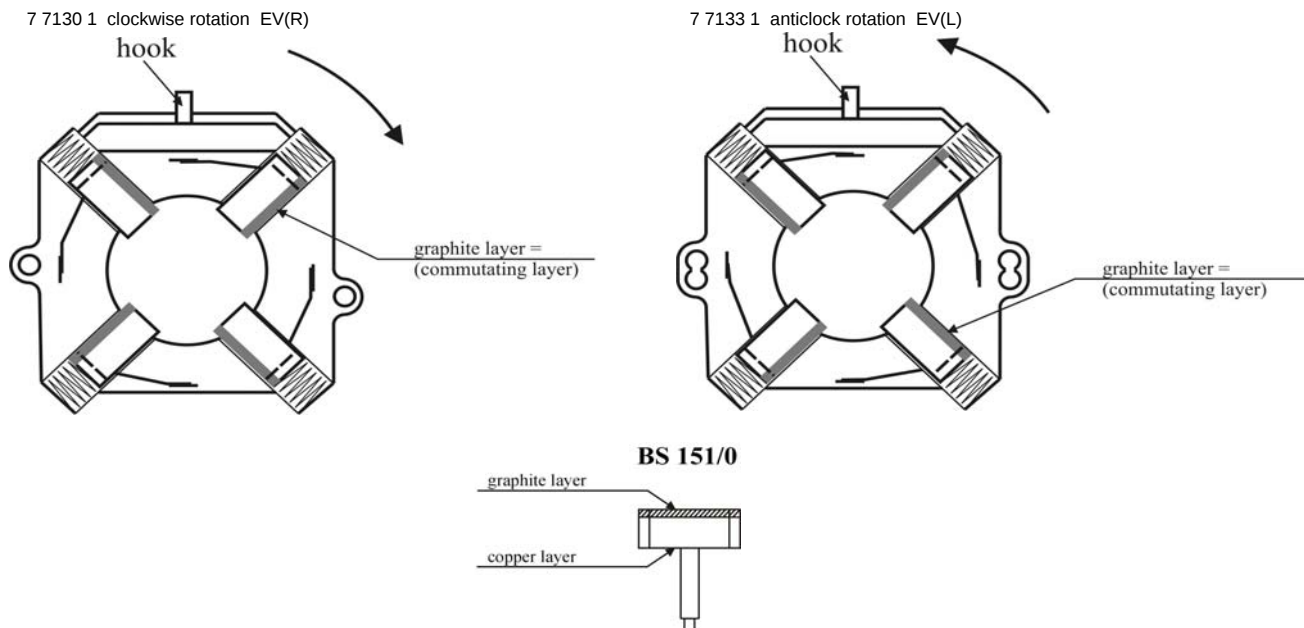
ELEKTROLUX		
HX 56 P/N 0 1786 1		
2-H 56		5 x 6 x 12,7
Volvo KS3442/21/140 -----		
LEECE-NEVILLE		
HX 3 P/N 0 1795 1		
2-H 3	(H 3 R)	7,1 x 7,1 x 14,3

LUCAS / SMITH		
HX 6 P/N 0 1785 1		
2-H 5/6		6,3 x 6,3 x 11,9
Lucas EWD Smith eHS 340, MKI -----		
WEBASTO		
HX 26 P/N 0 1796 1		
2-H 26		9 x 6 x 16,5

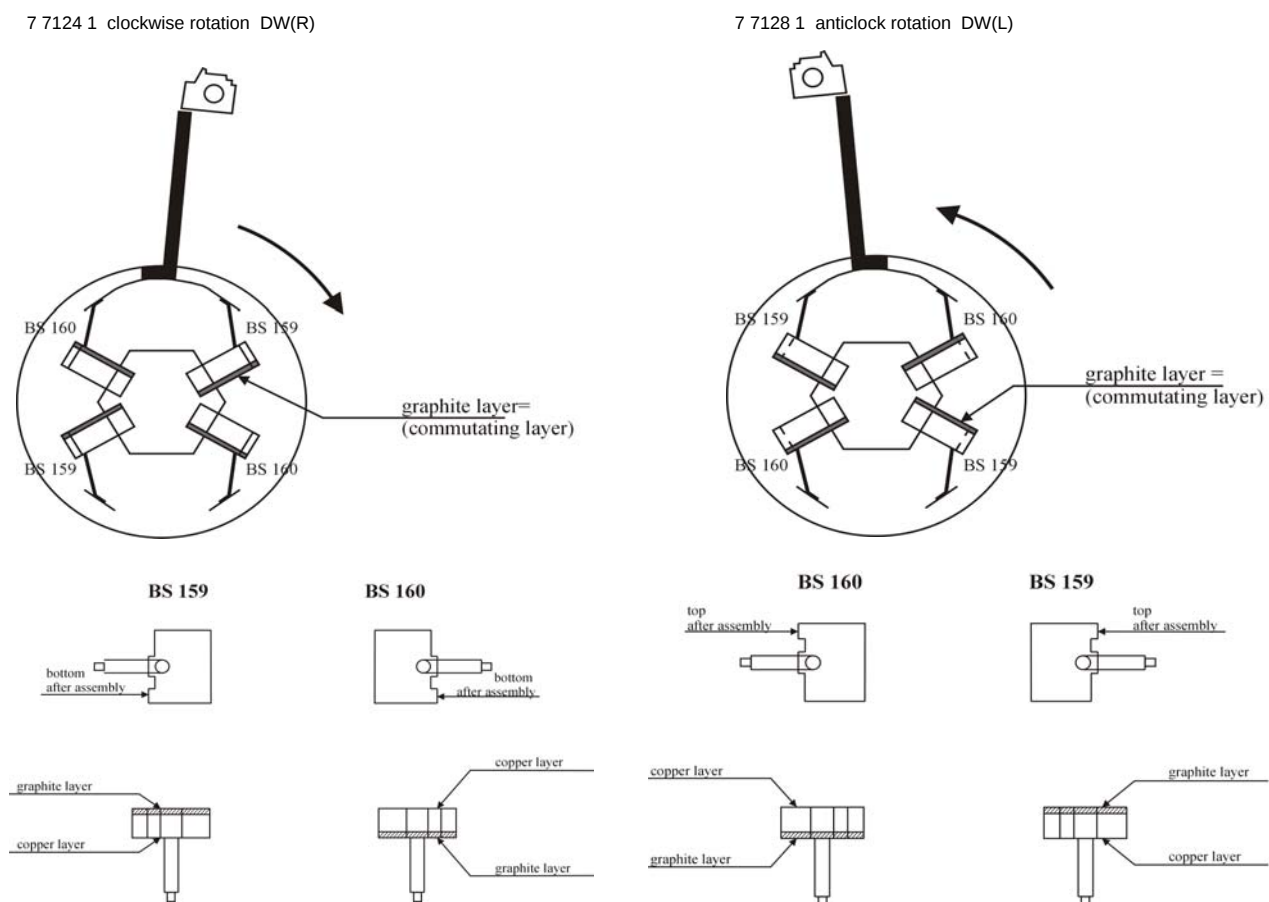
HX 109 P/N 0 1797 1		
2-H 109	30HL1A, 1599-1721-0602	5 x 6,4 x 15

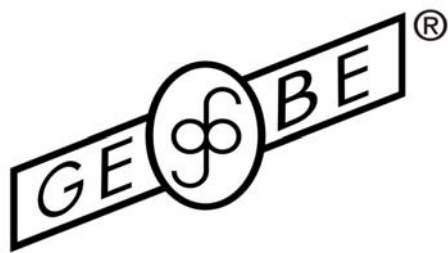
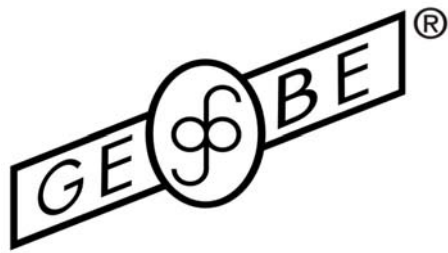
Assembly Instructions for Bosch Gear-Starter Brushes

Starter-Unit EV 2,2 KW 12 Volt 0 001 218 ...



Starter-Unit DW 1,1 KW 12 Volt 0 001 108 ...





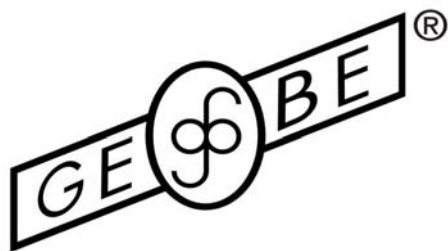
2

BÜRSTENHALTER UND BÜRSTENHALTER-KITS

BRUSH-HOLDERS AND BRUSHHOLDER-KITS

PORTE-CHARBONS ET KITS PORTE-CHARBONS



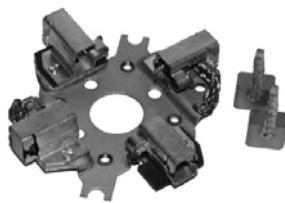




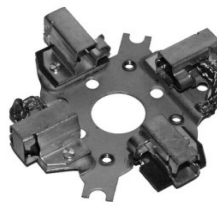
7 7314 1, 7 7317 1, 7 7318 1



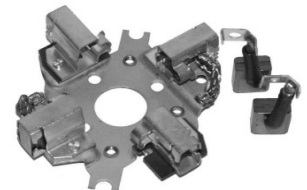
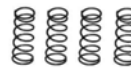
7 7114 1
7 7117 1
7 7118 1



7 7315 1



7 7115 1
7 7119 1
7 7120 1



7 7316 1, 7 7319 1, 7 7320 1

BÜRSTENHALTER / BRUSH-HOLDERS

BOSCH

EF, GF, JE, JF

IKA-No.	Bosch-Ref.	Unit-No.
7 7114 1	1 001 329 900 1 004 336 025,028,029,034, 055 with 2 negative brushes and 4 springs EB(L) 12V 08./0.95 kW EB(R) 12V 0.7/00.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW	0 001 208 200-202,204,216-218, 224,229,233,403,404, 411,412,416,419, 425-429 211 200-208,210,215, 218-225,233-236,239, 242-249,251,253,254, 257,258,992,993,997 212 199,202-214,400-403
7 7314 1	1 004 336 055 with additional positive brushes 2 x BS 75 -----	
7 7115 1	2 004 336 027,041,099 with 2 negative brushes and 4 springs IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW	0 001 362 034-043,045-053,057- 064,069-079,081,083- 086,088-097,100,102- 105,300-314,316-319, 321-332,600-607,700- 705 366 001-006,008-022,024- 029 9 000 143 203,204,408,411,413, 414,420
7 7315 1	2 004 336 027,041,099 with additional positive brushes 2 x BS 139	
7 7316 1	2 004 336 027,041 with additional positive brushes 2 x BS 143 -----	
7 7117 1	1 004 336 009,033,036, 040,046,057 with 2 negative brushes and 4 springs EF(L/R) 12V 0.8 kW GB(L/R) 12V 1.5 kW GF(L) 12V 1.0-1.5 kW GF(R) 12V 1.0-1.6 kW	0 001 208 006, 007 214 002 215 001 311 024,030,031,047,050- 052,054-056,100,103, 107,108,110,111,113, 115,120,123,124,126, 130,138,139,146,147, 149 312 101-111 313 006 314 005,006,009-015,017, 018,024-029,032,034, 036-038,042,043,045- 047,049 315 005

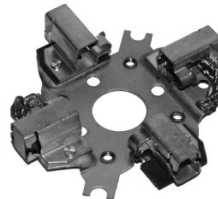
IKA-No.	Bosch-Ref.	Unit-No.
7 7317 1	1 004 336 046 with additional positive brushes 2 x BS 104 -----	
7 7118 1	1 004 336 027 with 2 negative brushes and 4 springs EF(L/R) 6V 0.5 kW	0 001 207 003,005,009,015,018
7 7318 1	1 004 336 027 with additional positive brushes 2 x BS 49 -----	
7 7119 1	2 004 336 028,044,067 with 2 negative brushes and 4 springs IF/JF(R) 12V 3.0/3.1 kW	0 001 367 001-018,020-025,027- 032,034-039,041-048, 050-052,054-059,061- 068,070-072,074-079, 081-082,300-303 369 001-006,012, 013-018, 020-024 9 000 143 410,412,415,416,419
7 7319 1	2 004 336 028,044,067 with additional positive brushes 2 x BS 164 -----	
7 7120 1	2 004 336 031,046 with 2 negative brushes and 4 springs IF/JF(R) 24V 4.0 kW	0 001 368 001,002,004-007,009, 010,012-014,016,018- 022,024,027-031,034- 041,047,049,050,052, 055-060,062,063,068- 073,076,077,079,081, 082,085,086,088,300, 301,303,305-307, 309-313,315-317, 319-321 9 000 143 600-604
7 7320 1	2 004 336 031,046 with additional positive brushes 2 x BS 145 -----	



7 7121 1
7 7122 1



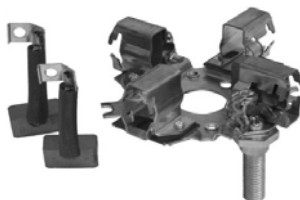
7 7137 1
7 7200 1



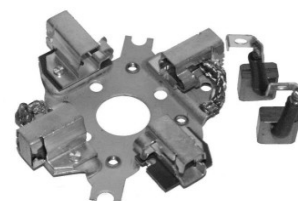
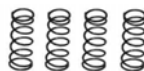
7 7138 1



7 7136 1
7 7139 1
7 7201 1



7 7337 1
7 7400 1



7 7338 1

BÜRSTENHALTER / BRUSH-HOLDERS

BOSCH

JD, JE, JF

IKA-No.	Bosch-Ref.	Unit-No.
7 7121 1	1 004 336 900 with 4 brushes BS 140 and 4 springs GF(L/R) 12V 1.7 kW -----	0 001 312 108,109 317 007-013,016-019 022-025
7 7122 1	1 004 336 901 with 4 brushes BS 149 and 4 springs EF(R) 12V 0.95 kW -----	0 001 208 702,706,707,709-715, 717-719 9 000 333 106,114,117
7 7136 1	2 004 336 078 with 4 brushes BS 177 and 4 springs JE(R) 24V 6.7 kW -----	0 001 371 004,006,008,010,013, 016,018-020
7 7137 1	2 004 336 085,087 with 2 negative brushes BS 170 and 4 springs IE/JE(R) 24V 6.2 kW	0 001 372 001,004
7 7337 1	2 004 336 085,087 with additional positive brushes 2 x BS 171 -----	
7 7138 1	2 004 336 066,086 with 2 negative brushes BS 170 and 4 springs ID(R) 24V 4.8 kW IF(R) 24V 5.2 kW IE(R) 24V 6.2 kW	0 001 364 300,301,400,402 372 002,003,005-008

IKA-No.	Bosch-Ref.	Unit-No.
7 7338 1	2 004 336 066,086 with additional positive brushes 2 x BS 171 -----	
7 7139 1	2 004 336 077 with 4 brushes BS 177 and 4 springs brush-holder insulated IE(R) 24V 6.7 kW -----	0 001 371 005,007,009,012 014,017
7 7200 1	2 004 336 064 with 2 negative brushes BS 188 and 4 springs IE(R) 24V 4.0 kW	0 001 368 083
7 7400 1	2 004 336 064 with additional positive brushes 2 x BS 199	
7 7201 1	2 004 336 079 with 4 brushes BS 197 and 4 springs IE(R) 12V 5.0 kW	0 001 370 003,004

Alle Bürstenhalter werden mit 4 Federn geliefert
All Brush-Holders are supplied with 4 springs
Tous les porte-charbons sont fournis avec 4 ressorts

Einzelne Federn, Schrauben, Feder-Kits unter Kapitel 8
For single springs, screws or spring-kits see chapter 8
Voir chapitre 8 pour ressorts, vis ou jeux de ressorts



7 7123 1



7 7124 1



7 7125 1



7 7126 1



7 7127 1



7 7128 1



7 7129 1

BÜRSTENHALTER BRUSH-HOLDERS

BRASS TYPE

BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7123 1	1 004 336 822,838,856,861 F 000 AL1 921 AL2 050-052 DM(R/L) 12V 0,7kW clockwise and anticlock (mono brushes) -----	0 001 116 001,003-006,008,009
7 7124 1	1 004 336 300,318,411,418 419,423,439,443, 740,747,748,762, 806,812,816,837, 912,913,921,922, 960,965,968,986, 995,998 DW(R) 12V 1.1-1.4 kW DW(R) 24V 1.6 kW clockwise -----	0 001 108 004,019,020,022, 024-027,048,051-053, 056,063-064,070,075 080,081,088-090,093, 098,100-102,107,111, 112,115,118-122, 124-126,128,130,131, 133-137,138-141, 144-146,149-151, 153-156,158-160,162, 166,167,169,171, 173-178,183,184,188, 189,197,995,996 111 002-004 F 002 G20 052,101,141,449, 500,639 F 010 AL0 103 -----
7 7125 1	1 004 336 217,302,815,817, 834,843,844,846, 865,915-917,928, 939,940,943,952, 953,963,967,969, 992,993 9 000 081 094 F 000 AL1 055,326,483, 917-919 AL2 034-036,109 DA(L) 12V 0.9 kW anticlock DM(L/R) 12V 0.8-1.0 kW clockwise and anticlock mono brushes -----	0 001 112 003-029,032-039, 041,044,045 113 001-015,017 114 003-006,008-010, 014-017,020-022 133 003,004 9 000 081 003,009 F 000 AL0 300-302
7 7126 1	1 004 336 326,417,428,435, 746,776,820,821, 951,987 DB/DW(L) 12V 1.1 kW anticlock	0 001 106 016 107 003-008,011,020-024, 040,046,052,053, 058,080,090 121 006-011,016-019,022, 023 F 002 G20 318

IKA-No.	Bosch-Ref	Unit-No.
7 7127 1	1 004 336 257,402,459, 732,927,958, 983,988,991 DB/DW(L) 12V 1.7-2.0 kW anticlock -----	0 001 109 011 110 001,002,009,010,031, 032,039,061,062,070, 076,077,084,085, 098,099 125 005-006,009,010, 018,019,
7 7128 1	1 004 336 362,426,442,467, 772,811,904,911, 919,923,961 DW(L) 12V 1.1-1.4 kW DW(L) 24V 1.6 kW anticlock -----	0 001 108 005,014,015,021, 050,058-060,076,077, 094-097,099,127, 147,168 111 001,005
7 7129 1	1 004 336 400,401,404,405, 455,458,730,731, 734,735,864,909, 914,924,925,931, 942,947,955,956, 959,981,984 DB/DW(R) 12V 1.7-2.0 kW R78-M15 12V clockwise -flex 66,5 mm	0 001 109 001-003,006-008, 110 004,007,008,012, 013,016,019,022-024, 027-030,039,042-046, 048,049,051,0513-056, 063,064,066,067,075, 078,083,090,091,102, 106-108,120,122,123, 999



IKA Brush-Holders for Gear Starters are supplied with genuine Two-Component-Brushes



BÜRSTENHALTER BRUSH-HOLDERS

BRASS TYPE

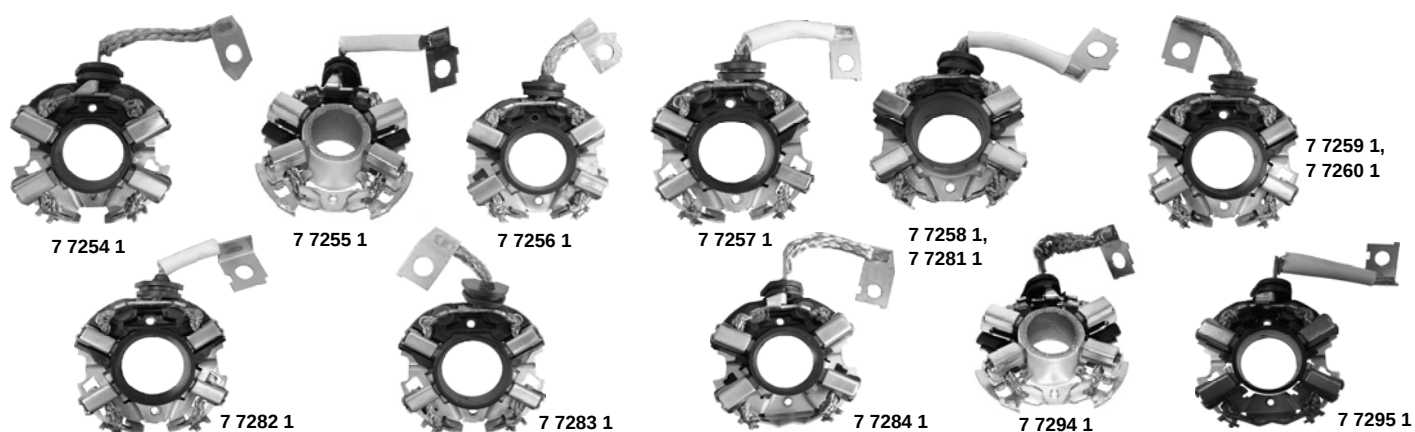
BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7130 1	9 003 334 314,343,355 6 033 AD1 155*,327* 1 004 112 906*,907* 9 003 334 103*,147*,163*, 165*,167*,171*, 175* * with field coil EV(R) 12V 2.2/2.3 kW -----	0 001 218 002-031,100-115 118,120-131,133-147 150-168,171-178 703,711,712,715,725, 738,758,763,768,772 774,777,805,809,812, 814-818,820,821 9 000 331 401,402,405-409, 411-415,417-428, 430-433 6 033 AB1 J00
7 7131 1	1 004 336 239,309,320,332, 397,415,421,432, 433,715,728,744, 801,809,813,827, 842,938,957,964, 970,975 DB/DW(R) 12V 1.1 kW -----	0 001 106 011,014,015 107 010,012,014-019, 025-030,033,038,041, 044,049,054,055, 059-063,066-069,075, 076,079,082,083,085, 088,089,091-095,097 121 001,002
7 7132 1	1 004 336 361,460,463,465, 802,835,845,848, 908,949,994 DW(R) 12V 1.7 kW flex 114 mm -----	0 001 109 034,035 110 003,026,095,114 115 001
7 7133 1	9 003 334 341 9 003 334 155,156 Kit 9 003 334 158 * * with field coil EV (L) 12V 2.2/2.3 kW -----	0 001 218 116,117,119,132,148, 149,170
7 7231 1	9 003 334 344,350 9 003 334 169 Kit 9 003 334 151*,157* *with field coil EV(R/L) 24V 2.5kW -----	0 001 219 001-012,014,015 9 000 332 401,402,405,406
7 7247 1	1 004 336 453,867 DW(L) 1.7 kW R74-E10 12V(L)	0 001 115 011,013

IKA-No.	Bosch-Ref.	Unit-No.
7 7248 1	1 004 336 424,471,763,803 DW(R) 1.7 kW R74-E10 12V(R) -----	0 001 115 002,007
7 7249 1	1 004 336 452,852 DB(R) 1.7 kW RF74-E10 12V(R) -----	0 001 123 001
7 7250 1	1 004 336 396,414,470 722,743,824 DW(R) 1.7 kW R74-E10 12V(R) -----	0 001 115 005,006,009,012 016,017,024
7 7251 1	1 004 336 367,413,425,450, 742,764,807,826, 849,871,875,962 1 007 010 091 DW(R) 1.6 - 2.2 kW R78-M10,M15,M20, M25 12V(R) -----	0 001 109 021,022,056, 200,201,252,253,256 110 005,011,017,025, 041,043,054,065, 068,079,082,088,092 104,105,110,111,125 124 015 125 602 F 000 AL0 105,107 F 010 AL0 101
7 7252 1	1 004 336 301,394,461,720, 997,999 DW(R) 1.7/ 2.0 kW R78-L10,M15,M25 12V(R) -----	0 001 109 015,042,046,052, 055,061-063 110 115
7 7253 1	1 004 336 437,456,468, 946,976 1 007 010 092 DW(R) 1.7/ 1.8 kW R78-L15 12V(R)	0 001 110 053,089,113



IKA Brush-Holders for Gear Starters are supplied with
genuine Two-Component-Brushes



BÜRSTENHALTER BRUSH-HOLDERS

BRASS TYPE

BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7254 1	1 004 336 407,736,819	0 001 125 501-504,507,508
	DB(R) 2.0 kW -----	
7 7255 1	1 004 336 429,440,446,466, 777,808,847,906, 926,933	0 001 109 012,023,029,044,047 110 014,015,018,033,047 057-059,081
	DW(L) 1.6 - 2.0 kW R78-M10,M25 12V(L) -----	
7 7256 1	1 004 336 403,457,733,902, 903,907,918,934, 941,950, 954,974	0 001 108 001,002,009-013, 016-018,023,026, 028-033,035,037-040, 042-047,054,057,061, 062,065,066,068,069, 071-073,078,082-084, 087,091,092,103,105, 106,108-110,113,114, 166,117,129,132,152, 997-999 111 002
	DW(R) 1.4 - 1.6 kW R74-L20,L25,L35 12V(R)	
7 7257 1	1 004 336 337,343,823,832 971,973	0 001 108 143,148,170,172,181, 199
	DW(R) 1.4 kW R74-L20,L25,L35 12V(R) -----	
7 7258 1	1 004 336 374,375,464,859, 935,936,944	0 001 108 074,085,086,123,182
	DW(R) 1.4 kW R74-L20,L25 12V(R) -----	
7 7259 1	1 004 336 219,427,469,775, 870,937	0 001 106 020 107 011,039
	DW(L) 0.9 - 1.0 kW R74-M27,S10 12V(L) -----	

IKA-No.	Bosch-Ref.	Unit-No.
7 7260 1	1 004 336 314,321,382,391, 716,810,831,985	0 001 106 018,019 107 009,034,037,045,048, 056,064,072,096, 100,101
	DW(R) 1.1 kW R74-M20,M25,S10 12V(R) -----	
7 7281 1	1 004 336 420,451,462,749, 814,828,841	0 001 107 043,073,074,087 121 003
	DB/DW(R) 1.1 kW R74-M10 12V(R) RF74-M30 12V(R) -----	
7 7282 1	1 004 336 368,416,670, 745,830,853	0 001 106 012,017,022-024 107 070,071
	DW(R) 0.9 - 1.1 kW R74-M25,S10,S20 12V(R) -----	
7 7283 1	1 004 336 392,444,717, 833,989	0 001 107 047,077,098
	DW(R) 1.1 kW R74-M20 12V(R) -----	
7 7284 1	1 004 336 279,422,729,868	0 001 110 132 F 000 AL0 108
	DW(R) 1.8 kW R78-L25 12V(R) -----	
7 7294 1	1 004 336 408, 737, 990	0 001 125 001,002,012,013, 016,017,021,022
	DB(L) 2.0 kW -----	
7 7295 1	1 004 336 409, 738, 860	0 001 110 126-129 124 020,021
	R78-L25 12V(R) RF78-L25 12V(R)	



IKA Brush-Holders for Gear Starters are supplied with genuine Two-Component-Brushes



7 7296 1



7 7297 1



7 7298 1

BÜRSTENHALTER BRUSH-HOLDERS

BRASS TYPE

BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7296 1	1 004 336 363,850 Renault 77 01 044 938	0 001 108 180,186 Renault 82 00 466 763 82 00 724 823
	DW(R) 1.4 kW -----	
7 7297 1	1 004 336 383,393,445,454, 719,829,836 FIAT 9947826,9951205	0 001 109 018,025,030,043, 045,048 FIAT 46430784,46473784 60814911 BMW 12 41 2 246 570
	DW(R) 1.6 - 2.1 kW -----	
7 7298 1	1 004 336 412,430,431,438, 447,448,472,741, 778,779,804,840, 881,883,996	0 001 109 009,014,017,026, 028,031,033,036, 040,049 110 100,101,112
	DW(R) 1.6 - 2.2 kW	

IKA-No.	Bosch-Ref.	Unit-No.
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IKA Brush-Holders for Gear Starters are supplied with
genuine Two-Component-Brushes



7 7134 1, 7 7202 1,
7 7206 1



7 7135 1



7 7203 1, 7 7205 1, 7 7220 1,
7 7222 1, 7 7224 1, 7 7225 1



7 7204 1



7 7221 1,
7 7223 1

BÜRSTENHALTER BRUSH-HOLDERS

PLASTIC TYPE

BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7134 1	1 004 336 502,505,525,526, 534,542,593,600, 608,632,702,703, 711,718,866	0 001 107 401-411,415,417,418, 423-432,435-437,442, 443,446,447,456 121 422,423 F 002 G20 485
	DW (R) 12V 1.1 kW R70-M10,15,20,25 12V(R) -----	
7 7135 1	1 004 336 507,508,537,550, 551,605,617,620, 621,713,751,752, 800,884,885	0 001 110 086,087,118,119, 133,134 124 001-008,013,014, 022-027 125 003,004,011,035,036, 039,040,048,049,
	DB(L)12V 1.8/2.0 kW RF78-L30,35 12V(L) -----	
7 7202 1	1 004 336 506,637,879	0 001 106 403,404,407,409,410 120 400-411
	DB(L) 12V 0.9 kW RF70-S25 12V(L) R70-S10 12V(L) -----	
7 7203 1	1 004 336 272,503,549,619, 629,750,878	0 001 125 007,008,031,032, 042,043,046,047, 051,052
	DB(L) 12V 1.8/2.0 kW RF78-M 12V(L) -----	
7 7204 1	1 004 336 516,555,622 756,893	0 001 125 511-514,517,518
	DB(R) 12V 2.0 kW RF78-S 12V(R) -----	
7 7205 1	1 004 336 509,527,531, 704,708,886	0 001 108 401,402,420,421 F 002 G20 670 F 004 A94 004
	DW(R) 12V 1.4 kW R70-L25,35 12V(R)	

IKA-No.	Bosch-Ref.	Unit-No.
7 7206 1	1 004 336 519,655,896 RF70-M25 12V(L) -----	0 001 121 402,403,408-413
7 7220 1	1 004 336 561,765 RF74-M40,45 12V (R) R74-M40,60 12V (R)	0 001 107 103-106 121 030-035 overload protection starter VW 001 911 023, -B,-C,-CX 036 944 023 S 085 911 023 H
7 7221 1	1 004 336 504,562,766 DB/DW (L) 1.1/1.2 kw RF74-M50 12V (L) -----	0 001 121 024-029
7 7222 1	1 004 336 528,533,579,788 DW(R) 12V 1.8 kW R74-L45,60 12V(R) -----	0 001 108 210,225 F 002 G20 326,348,546
7 7223 1	1 004 336 512,552,567, 753,771,889 DW(R) 12V 1.4 kW R74-L75 12V (R) -----	0 001 108 200,201,206,207, 228,229,237,238
7 7224 1	1 004 336 521,568,773,898 DW(L) 12V 1.4 kW R74-L10 12V (L) -----	0 001 108 203
7 7225 1	1 004 336 513,522,584,591, 678,792,798,876, 899 DW(R) 12V 1.7 kW R74-E25,35 12V (R)	0 001 115 008,021,025,040, 041,045-048



IKA Brush-Holders for Gear Starters are supplied with
genuine Two-Component-Brushes

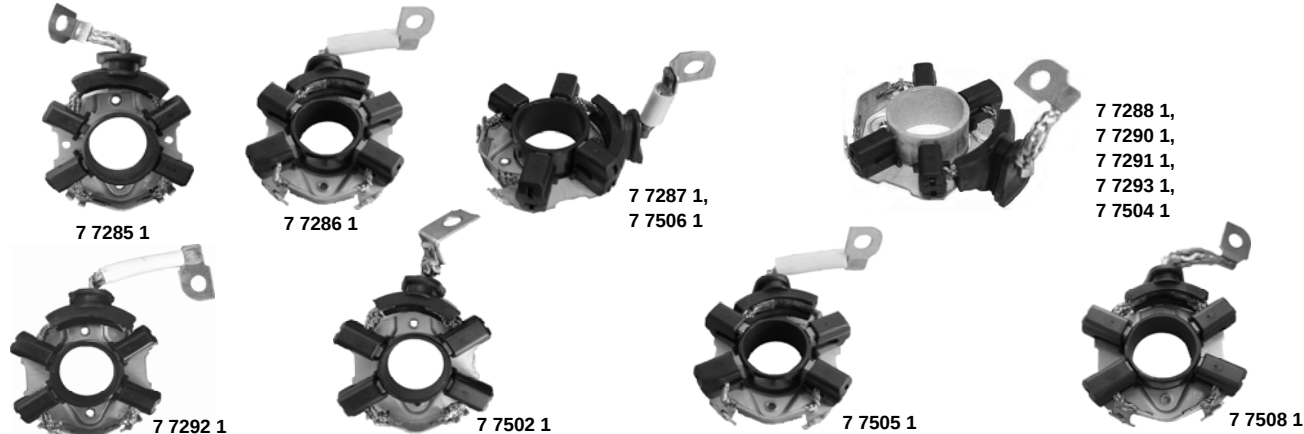


BÜRSTENHALTER BRUSH-HOLDERS			PLASTIC TYPE			BOSCH-GEAR STARTER PASSENGER CARS		
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IKA-No.	Bosch-Ref.	Unit-No.	IKA-No.	Bosch-Ref.	Unit-No.
7 7226 1	1 004 336 515,554,661, 755,892 DW(R) 12V 1.7 kW -----	0 001 115 022,023 Overload Protection Starters VW 012 911 023 C, -CX	7 7234 1	1 004 336 547,630,636,723  DW(R) 1.1 kW R70-M10,15,20,35 12V (R) -----	0 001 107 406,421,422, 450-453,474
7 7227 1	1 004 336 523,558,653,700, 759 DW(L) 12V 1.7 kW RF74-E25 12V (L) -----	0 001 123 016,017 Overload Protection Starters VW 02E 911 023 H, -HX	7 7235 1	1 004 336 571,627,781 R78-L35 12V (R) -----	0 001 110 136-139
7 7228 1	1 004 336 514,518,532,548, 575,599,654,709, 725,726,872,891, 894 F 002 G20 430 DB/DW(R) 1.7-2.2 kW R78-M10,28,45,55 12V (R) RF78-M15,28,45,-S28 12V (R) -----	0 001 109 057,058,068 202,203,250,302,303 110 071,072 F 002 G20 292,359,385	7 7236 1	1 004 336 565,595,602,769 R70-L15,25 12V (R) -----	0 001 108 405,406,408
7 7229 1	1 004 336 524,559,574,596, 616,624,701,760, 784,869 DW(R) 12V 1.8 kW R78-M28,35,45,55 12V (R) -----	0 001 109 264,300-305 110 130,131	7 7237 1	1 004 336 569,570,625,626 774,780 RF78-M28 12V (R) R78-M28 12V (R) -----	0 001 109 064,065 125 053,054
7 7230 1	1 004 336 582,586,688,790, 794 DW(R) 2.0 kW R78-M45,55 12V (R) -----	0 001 109 262,263,265,266, 271-274 F 000 AL0 111	7 7238 1	1 004 336 573,597,628,783 R78-M35 12V (R) -----	0 001 109 066,067
7 7233 1	1 004 336 592,799 R70-S10 12V (R)	0 001 106 405,406	7 7239 1	1 004 336 576,656,785 RF70-L25 12V (L)	0 001 122 400-403



IKA Brush-Holders for Gear Starters are supplied with genuine Two-Component-Brushes



BÜRSTENHALTER BRUSH-HOLDERS

PLASTIC TYPE

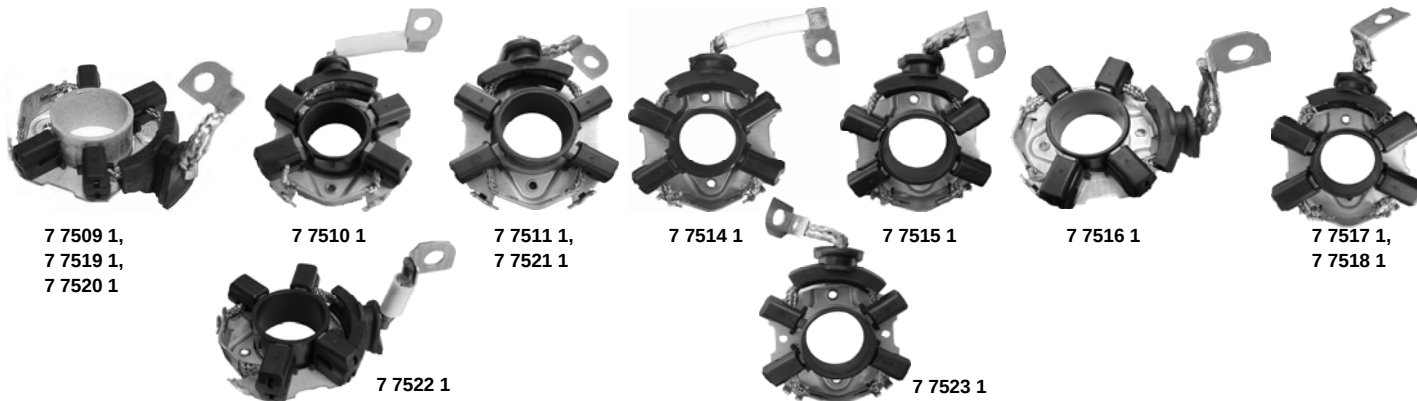
BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7285 1	1 004 336 564,633,768	0 001 108 403,404,409,410
	DW(R) 1.4 kW R70-L25,-L35 12V(R) -----	
7 7286 1	1 004 336 588,796	0 001 115 035
	R74-E25,-35 12V(R) -----	
7 7287 1	1 004 336 606,641	0 001 115 053,054
	R74-E35 12V(R) -----	
7 72881	1 004 336 538,594,601, 618,714	0 001 109 205,258-261 125 055-058,519-522, 607,608
	R78-M28,45 12V (R) RF78-M28,45,-S28 12V (R) -----	VW Start/Stop Starters
7 7290 1	1 004 336 520,557,650, 758,897	0 001 115 042 123 012-015,018-021, 026,027,039
	DB(L) 1.7 kW RF74-E20 12V(L) RF74-E25 12V(L) -----	Overload Protection Starters VW 02M 911 024, -X 02Z 911 023 L, -LX
7 7291 1	1 004 336 609,645	0 001 138 001,002
	DW(R) 1.7 kW S74-L 12V(R)	Start/Stop Starters BMW 12 41 7 550 975

IKA-No.	Bosch-Ref.	Unit-No.
7 7292 1	1 004 336 614,648	0 001 138 003-006
	DW(R) 1.7 kW S74-L 12V(R) -----	Start/Stop Starters BMW 12 41 7 552 697 12 41 7 567 788 12 41 7 802 945 12 41 7 803 514
7 7293 1	1 004 336 511,536,712,727, 888	0 001 108 157,190,196,202,204, 208-209,211,212,217, 218,224,230,231,234, 235
	DW(R) 12V 1.8 kW R74-L40,45,55 -----	
7 7502 1	1 004 336 639	0 001 109 069,070
	R78-M28 12V (R) -----	
7 7504 1	1 004 336 553,663,677,754, 890	0 001 123 002,003,024,025
	DB(R) 12V 1.7 kW RF74-E25 12V (R) -----	Overload Protection Starters VW 012 911 023 E, -F
7 7505 1	1 004 336 640,664	0 001 115 056,057
	R74-E35 12V (R) -----	Overload Protection Starters VW 03L 911 021, -X
7 7506 1	1 004 336 669	0 001 115 074-077
	R74-E25,35 12V (R) -----	Overload Protection Starters Mercedes 006 161 74 01 006 161 75 01
7 7508 1	1 004 336 583,791	0 001 107 433,434,440,441, 448,449
	R70-M25 12V (R)	F 004 A94 434,441,449



IKA Brush-Holders for Gear Starters are supplied with genuine Two-Component-Brushes



BÜRSTENHALTER BRUSH-HOLDERS

PLASTIC TYPE

BOSCH-GEAR STARTER PASSENGER CARS

IKA-No.	Bosch-Ref.	Unit-No.
7 7509 1	1 004 336 530,631,707	0 001 108 400,411,412
	R70-L25 12V (R)	

7 7510 1	1 004 336 615,657	0 001 108 415,416
	R70-L25 12V (R)	

7 7511 1	1 004 336 529,587,589 795,797	0 001 107 108,109
	R74-M40,60 12V(R)	

7 7514 1	1 004 336 572,782	0 001 108 220,221
	DW(R) 12V 1.4 kW R74-L45 12V (R)	

7 7515 1	1 004 336 566,638,770	0 001 108 213,214,222,223
	R74-L45 12V (R)	

7 7516 1	1 004 336 598,604	0 001 115 049-052
	R74-E35 12V (R)	

7 7517 1	1 004 336 535,560,662, 724,761	0 001 115 031,032
	R74-E25 12V (R)	
		Overload Protection Starters
		VW 07C 911 023 E, -EX

IKA-No.	Bosch-Ref.	Unit-No.
7 7518 1	1 004 336 395,585,793	0 001 115 039
	R74-E25 12V (R)	

7 7519 1	1 004 336 577,786	0 001 107 107
	R74-M20 12V (L)	

7 7520 1	1 004 336 517,556,581,603, 611,623,757,895	0 001 109 267-270 125 025,600,601
	DB(R) 12V 1.9/2.2 kW R78-M45 12V (R)	

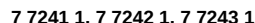
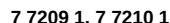
7 7521 1	1 004 336 578,787	0 001 109 204
	R78-M28 12V (R)	

7 7522 1	1 004 336 658	0 001 122 201,202
	RF74-L65 24V (R)	
	Mercedes 001 151 65 14	Mercedes 006 151 63 01

7 7523 1	1 004 336 580,607,789	0 001 107 438,439 459-462
	R70-M10,-M35,-M45 12V(R)	
	Toyota 28140-0Q020	28100-0Q021 Aygo 1.0
	Mercedes 001 151 64 14	006 151 59 01 CL500, GLK280 60 01 SL208, -350



IKA Brush-Holders for Gear Starters are supplied with
genuine Two-Component-Brushes



BOSCH-GEAR STARTER COMMERCIAL VEHICLES

IKA-No.	Bosch-Ref.	Unit-No.	IKA-No.	Bosch-Ref.	Unit-No.
7 7199 1	Brush Holder:	0 001 231 001-014,017-019,	7 7210 1	Brush Holder	0 001 230 001,007-010,014,018,
	6 033 AD0 130,156	023,024,026-030,		6 033 AD0 166,370,374	020-024,026,027
	380,383,471	033-035		AD3 022,042,058	
	6 033 AD4 026,054,161,180			9 003 334 368	
	9 003 334 363			Stator Frame:	
	Stator Frame:			6 033 AD0 167,170,244	
	6 033 AD0 128,151,			AD3 043,132-134,	
	152,189,473,			149-151,191-193	
	AD4 064,093,094,098,				
	099,108-110,177				
	EV(R) 24V 4.0 kW			EV(R) 12V 3.0 kW	
	HE95-M 24V (R)			HE95-M 12V (R)	
	alternative product	new model 7 7241 1		alternative product	new model 7 7243 1
	-----			-----	
7 7208 1	Brush Holder:	0001 218 602,620,	7 7241 1	Brush Holder:	0 001 231 036,040,041
	6 033 AD0 014,159,160,221	703,710-712,715,716,		6 033 AD4 016,194	241 001,003,005-007,014,
	368,401,404,407	719,722,725,728,730,		AD5 128,179,316,320	015,019,020
	AD1 155,244,246,250,	735-738,740-742,754,		Stator Frame:	
	252,294,311,349,	757-759,763-768,		6 033 AD4 199	
	350	770-772,774,776,777		AD5 154	
	Stator Frame:	805,808,809,812,			
	6 033 AD0 007,162,223,	814-822		HEF95-L 24V(R) 5.5 kW	
	225,311	0 001 223 001-014,016,018,		-----	
	AD1 108-110,245,	019,021,022,056			
	248,249,251,254		7 7242 1	Brush Holder:	0 001 231 039
	301,313,327,351		6 033 AD4 212	6 033 AD4 212	
	381		Stator Frame:	Stator Frame:	
	AD2 002		6 033 AD4 166	6 033 AD4 166	
				HE95-M 24V(R) 4.0 kW	IVECO

	EV(L/R) 12V 2.3 kW				

7 7209 1	Brush Holder:	0 001 223 500-507	7 7243 1	Brush Holder:	0 001 230 002-006
	6 033 AD0 161,409,411			6 033 AD3 262,267,290-292	
	AD1 255,259				
	Stator Frame:			HEF95-M 12V(R)	John Deere, Renault, KHD, SAME
	6 033 AD0 164,412			EV(R) 3.0 kW	
	AD1 256,260			-----	
		EV(R) 12V 2.6 kW			7 7244 1
			2 004 336 090		
				John Deere RE 52 637 5	
				HX95-L 12V(R) 4.0 kW	



Brush-Holders for Gear Starters are supplied with genuine Two-Component-Brushes



7 7245 1, 7 7246 1



7 7501 1



7 7503 1, 7 7507 1

BÜRSTENHALTER BRUSH-HOLDERS

BOSCH-GEAR STARTER COMMERCIAL VEHICLES

IKA-No.	Bosch-Ref.	Unit-No.
7 7245 1	Brush Holder: 2 004 336 091 6 033 AD6 098 HEF109-M 24V(R) GVB(R) 24V 6.0 kW -----	0 001 330 008 Scania 1447912
7 7246 1	Brush Holder: 2 004 336 092 6 033 AD0 384 6 033 AD6 004 Kit Volvo 874354 HEF109-M 24V(R) GVB(R) 24V 6.0 kW -----	0 001 330 004,007,011-013,017 DB 006 151 00 01 Volvo 3595446,3827444 874385,874468
7 7501 1	Brush Holder: 2 004 336 093 with thermo protection  HEP 109-MP 24V (R) 8.4 kW -----	0 001 340 501-503 MTU X52 417 200 001 JW Jenbacher Werke 460 867 Liebherr 101 205 41
7 7503 1	Brush Holder: 2 004 336 094,097  HX95-L,-M 12V overload protection starters -----	
7 7507 1	Brush Holder: 2 004 336 095  HX95-L,-M 24V overload protection starters	



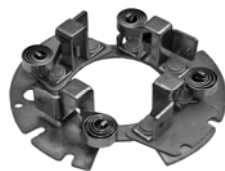
Brush-Holders for Gear Starters are supplied with
genuine Two-Component-Brushes



7 7168 1, 7 7178 1



7 7169 1



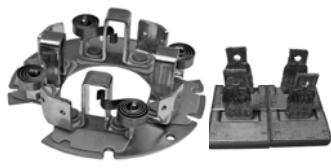
7 7175 1



7 7176 1



7 7368 1, 7 7468 1
7 7375 1, 7 7475 1



7 7368 2, 7 7468 2



7 7378 1, 7 7478 1



7 7376 1, 7 7476 1

BRUSH-HOLDERS

DELCO

IKA-No.	OE-Ref.	Unit-No.
7 7168 1	1988121,1988439 w/o. brushes	42MT 12/24 Volt
7 7368 1	1988121 w. brush set 1852892	42MT RX 134 12 Volt
7 7368 2	1988121 w. brush set two component grade	42MT RX 134-2C 12 Volt
		
7 7468 1	1988439 w. brush set 1852894	42MT RX 134H 24Volt
7 7468 2	1988439 w. brush set two component grade	42MT RX 134H-2C 24Volt
		
7 7169 1	10475602 complete w. 4 brushes -----	PG260M 9000786, 798, 804-806, 812, 819-822, 827, 834, 835, 844, 850, 851, 853 12 Volt
7 7175 1	10468705,10469238 w/o. brushes	37MT, 41MT series DD 12/24 Volt
7 7375 1	10468705 w. brush set 1852889	37MT, 41MT series DD RX 135 12 Volt
7 7475 1	10469238 w. brush set 1852893	37MT, 41MT series DD RX 135H 24 Volt

IKA-No.	OE-Ref.	Unit-No.
7 7176 1	1979387,1979494 w/o. brushes	40MT 400,450 12/24 Volt
7 7376 1	1979387 w. brush set 1852884	40MT RX 122 12 Volt
7 7476 1	1979494 w. brush set 1852883 -----	40MT RX 122H 24 Volt
7 7178 1	10456456 w/o. brushes	28MT 12/24 Volt
7 7378 1	10456456 w. brushes 2 x 10456457 2 x 10456458	28MT RX 457-458 12 Volt
7 7478 1	10456456 w. brushes 2 x 10457119 2 x 10457120	28MT RX 419-420 24 Volt



7 7180 1



7 7380 1,
7 7480 1

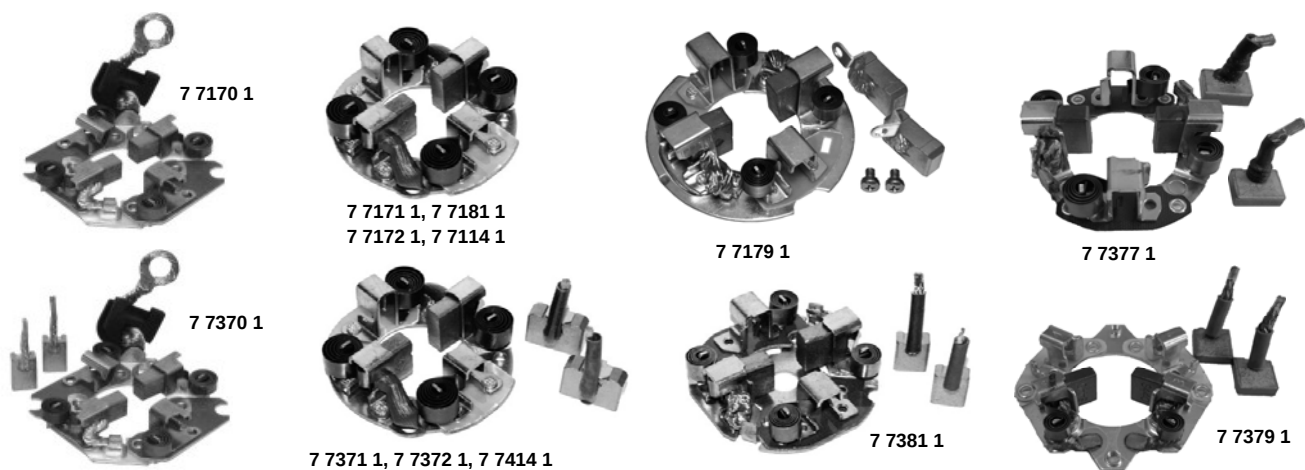


7 7263 1



7 7264 1

BRUSH-HOLDERS		DELCO
7 7180 1	1984974,1985065 with terminal post w/o. brushes	50MT 12/24 Volt
7 7380 1	1984974 w. brush set 1852887	50MT RX 124 12 Volt
7 7480 1	1985065 w. brush set 1852888 -----	50MT RX 124H 24 Volt
7 7263 1	10472352 complete with 4 brushes -----	PG150, PG150S, PG260F1 9000785, -833, -839, -840, -847, -859, -871-873, -884 21020761, -893 21021366
7 7264 1	10475107 complete with 4 brushes	SD80F 10455506,9627548



BRUSH-HOLDERS

DENSO

IKA-No.	OE-Ref.	Unit-No.
7 7170 1	028510-0560 (with 2 negative brushes)	028000-9490 Daihatsu
7 7370 1	028510-0560 Kit with additional positive brushes 2 x JAS 85 -----	
7 7171 1	028510-0640 -0840 -5500 (with 2 negative brushes)	02800-7000, -7740, 7790, -8130, 9830 12800-0570, 0960, -1040
7 7371 1	028510-0640 Kit with additional positive brushes 2 x JAS 77 -----	
7 7172 1	028510-0500 (with 2 negative brushes)	02800-5510,5860, -6290,6870, -7240,8070 12800-1790,3080
7 7372 1	028510-0500 Kit with additional positive brushes 2 x JAS 88 -----	
7 7179 1	028510-0880 Kit with 4 brushes 12/24V 3.0/5.5KW	128000-2450,2470, -3361,4250, -4682-4685 228000-331,332,573 -585,700
7 7181 1	028510-5190 (with 2 negative brushes)	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
7 7381 1	028510-5190 Kit with additional positive brushes 2 x JAS 52	

IKA-No.	OE-Ref.	Unit-No.
7 7214 1	028510-0750,-5320 (with 2 negative brushes)	028000-6260,8990,9321 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame

7 7414 1	028510-0750,-5320	028000-6260,8990,9321
	Kit with additional positive brushes 2 x JAS 84 -----	

DENSO ITALY

7 7377 1	028510-6410,-6421, -6440,-6490	P76 - 12 Volt 2.0 kW
	Kit with 4 brushes BMW series 3,5,7 Citroen C5 Peugeot 307,407 Toyota Avensis,Corolla,Verso -----	
7 7379 1	028510-6520	P70 - 12 Volt 1.4 kW
	Kit with 4 brushes BMW series 1,3,5,7 Citroen C3,C5, Picasso Mercedes C,E,CLK,SLK Peugeot 206,307 Toyota Avensis,Corolla,Verso, Yaris	



7 7190 1



7 7191 1, 7 7192 1
7 7193 1, 7 7194 1



7 7395 1, 7 7396 1



7 7390 1



7 7391 1 7 7392 1
7 7393 1, 7 7394 1



7 7397 1, 7 7398 1

BRUSH-HOLDERS

FIAT - MARELLI

IKA-No.	OE-Ref.	Unit-No.
7 7190 1	832 244 61 832 253 26	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 230 85 231 01,03,08 931 01 Palio, Tipo
	(with 1 negative brush)	
7 7390 1	832 244 61, 832 253 26 Kit with additional positive brushes JS 39 + JS 40	

7 7191 1	832 263 36	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
	(with 2 negative brushes)	
7 7391 1	832 263 36 Kit with additional positive brush pair JS 54	

7 7192 1	832 212 41	E80 0,8/1-12 632 228 31-33,36-38 230 31-34
	(with 2 negative brushes)	
7 7392 1	832 212 41 Kit with additional positive brushes 2 x JS 36	

7 7193 1	542 944 44 832 204 61	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08 632 234 30-33,35,36 235 30-33 236 39 934 35
	(with 2 negative brushes)	
7 7393 1	832 204 61 Kit with additional positive brushes 2 x JS 34	

7 7194 1	832 258 86	E80E 632 230 39 233 04 930 39
7 7394 1	832 258 86 Kit with additional positive brushes JS 45 + JS 57	

IKA-No.	OE-Ref.	Unit-No.
7 7395 1	721 641 01	632 171 01,04-08,10,12,16-21,25, 26,38,47,48,54,56,58,63, 73,80,82,86,88,97 174 01-04,07,08,10,25,33,47
	complete with 4 brushes -----	MT71 / MT74 - 12 Volt
7 7396 1	721 641 02	632 172 25,26
	complete with 4 brushes -----	MT72 - 24 Volt
7 7397 1	721 647 01 723 627 01	632 168 02,08,11,14-18,25-27,31, 33,51,52,59,61,73,74,76, 84,96,98
	complete with 4 brushes -----	MT68 - 12 Volt
7 7398 1	721 650 01	632 167 01-04,06-08,10,25-27,31, 33,38,40,41,47,48,63
	complete with 4 brushes	MT67 - 24 Volt



7 7211 1



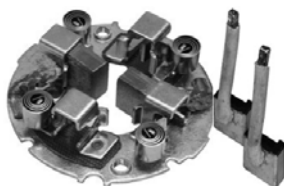
7 7213 1



7 7261 1,
7 7215 1



7 7212 1



7 7313 1

BRUSH-HOLDERS

FORD

IKA-No.	OE-Ref.	Unit-No.
7 7211 1	E90Z-11061-A,B,C (with 4 brushes) PMGR-Starter Ford USA -----	E90F-11000-AA,-BA E9SF-11000-AA,-BA F02F-11000-AA F07U-11000-AA,-BA F0CF-11000-AA,-BA F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA
7 7212 1	F3RZ-11061-A (with 4 brushes) PMGR-Starter Ford Europe -----	93BB-11000-HB,-JB,-JC, -KA,-KB,-KC
7 7213 1	1C3U-11434-AA (with 2 negative brushes) two component grade 	1C2U-11000-AA 1C2Z-11002-AA 1C3U-11000-AA,-AB,-AC,-AD,-AE 1C3Z-11002-AA 2C2U-11000-AA 2C3T-1000-AA 2C3Z-11002-AA PMGR-Starter 12V 3,6kW
7 7313 1	1C3U-11434-AA  Kit with additional positive brushes 2 x F 76 two component grade -----	Replacement for 7 7262 1
7 7215 1		Ford-Visteon 1S7U-11000-AB, -AC, 2S6U11000EB, 96BB1000AA, -AB, -AC 98AB11000BB, -BC, -CC, -CD, YS4U11000AA, -BA

IKA-No.	OE-Ref.	Unit-No.
7 7261 1	F7RU-11434-BA	Ford-Visteon 12V 1,9kW 97BB-11000-BB,BC 97VB-11000-AA,AB 98AB-11000-AC 98VB-11000-BA,B1A,B3A
	complete with 4 brushes	



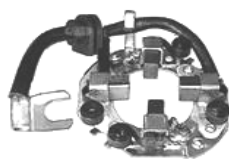
7 7140 1



7 7141 1, 7 7142 1



7 7143 1



7 7524 1



7 7341 1, 7 7342 1



7 7343 1

BRUSH-HOLDERS HITACHI

IKA-No.	OE-Ref.	Unit-No.	IKA-No.	OE-Ref.	Unit-No.
7 7140 1	2114-23106,-53105, -63104,-73105	Opel Astra D Opel Corsa D	7 7524 1	2114-23104,-39008, -83102,-93102	S114-505,-A,509,517,-C,518,519A 523,526,-A,-B,527,-A,-B, 530,533,535,701A,-B,-BR 705A
	complete with positive brush-pair	S114-750,758,762,765,766A, 775A,800,801,804,805, 808,816,818,829A,B,850		complete with brushes and springs	

7 7141 1	2114-4311 (with 2 negative brushes)	S114-252,252A,253A,254A 357A,374B,393, 480,481 Nissan 23378-05E00			
7 7341 1	2114-4311 Kit with additional positive brushes 2 x JAS 81				

7 7142 1	2130-1306,-13022 2240-3310 (with 2 negative brushes)	S13-62,62B,64,69,83,84,89A, 89B,92A,100,104,106B, 107A,114,121 Nissan 23378-10G00			
7 7342 1	2130-1306 Kit with additional positive brushes 2 x JAS 74				

7 7143 1	2250-7310 (with 2 negative brushes)	S13-45B S25-156 Nissan 23300-C8601 23300-J5500			
7 7343 1	2250-7310 Kit with additional positive brushes 2 x JAS 36				



7 7185 1, 7 7186 1



7 7187 1, 7 7188 1



7 7182 1, 7 7183 1
7 7189 1



7 7384 1, 7 7385 1
7 7386 1



7 7382 1, 7 7383 1
7 7389 1

BRUSH-HOLDERS

mitsubishi

IKA-No.	OE-Ref.	Unit-No.
7 7182 1	M649T03571 with 2 negative brushes	M3T10172,10271,10272,10372, 10473,10475,10476,10672
7 7382 1	M649T03571 Kit with additional positive brushes 2 x JAS 70 -----	
7 7183 1	M649T01371 M649T02271 M649T04871 with 2 negative brushes	M2T20181D,30481,30581,30981, 31081,32281,32581,32782D, 37081,41181,41182,42381, 42481,42781,42881,42981, 42985,43681,43781,43881, 44081,44781,48081,49281, 49282,49881 M3T10476D,21781D,21882D, 27686H,27781,27781D, 29482D,30081,30082,30281 30282,30285,30286,30381, 30382,30581,30781,30782, 30881,30981,32581,32582, 32583,32589,32591-32593, 32681,32782,32782D,33081 33182,33282,33581,33582, 33582A,33583,33585,33586, 33586A,33586D,33587, 33588,34782,35081,35082, 36081,37481,37781,37782, 38481,38581,38682,38881, 38881A,B,C,38882, 38882A,B,C,38883,38884, 38885,39385,39981,41081, 41083,41181,41285,41381, 41781,42781,42881,43881, 44081,70381,
	36170-21740	36100-11150,21760,21770
7 7383 1	M649T01371 M649T02271 Kit with additional positive brushes 2 x JAS 83 -----	
7 7384 1	M649T05072 with 2 negative brushes 24V Kit with additional positive brushes 2 x JAS 97	

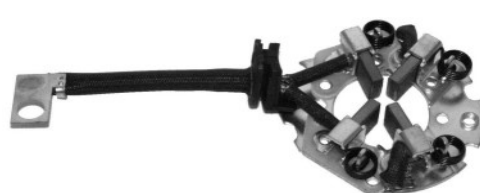
IKA-No.	Unit-No.
7 7185 1	M649T02171 with 2 negative brushes 7 7385 1 M649T02171 Kit with additional positive brushes 2 x JAS 71 -----
7 7186 1	M649T05071 with 2 negative brushes 12V M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971
7 7386 1	M649T05071 36100-42011 Kit with additional positive brushes 2 x JAS 99 -----
7 7187 1	M649T01271 M649T09371 36169-32510 36170-32500 M1T70381,70481,70483,70485, 70781,70881,71381,71881, 72581,72583 HSP112110,1112130 MG112014,MP112023 36100-32510
	complete with positive brush-pair -----
7 7188 1	M649T01671 M1T74081,74181,74281,74283, 74381,74481,74482,74581, 74583,74781,74781A,75181, 75281,75283,75381,75581, 75681,76081,76281
	complete with positive brush-pair -----
7 7189 1	M649T04471 M649X09571 with 2 negative brushes 23378-N5912 M2T25481 50181,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581, M3T21882D 23300-00H10 23378-
	suitable for 3 and 4 brushes version
7 7389 1	M649T04471 Kit with additional positive brushes 2 x JAS 70



7 7274 1, 7 7527 1



7 7374 1, 7 7625 1, 7 7627 1



7 7275 1



7 7525 1



7 7526 1

BRUSH-HOLDERS

mitsubishi

IKA-No.	OE-Ref.	Unit-No.
7 7274 1	M649T20471 M649X20471	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
	ME701467 -----	
7 7374 1	M649T20471 M649X20471	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
	ME701467 Kit with additional positive brushes 2 x JAS 70 -----	
7 7275 1	For Dacia	M0T80281B,-87881,-91581
	complete with positive brush-pair -----	
7 7525 1	E5PF-11061-A E5PF-11434-AA M649T04971,-72 M649T07371 ME700047 ME700939 M371X07371	M3T66071,-72,-73,-74 M3T67171,-72
		
7 7625 1	E5PF11061A E5PF11434AA M649T04971,-72 M649T07371 ME700047 ME7000939 M371X07371	
		
	Kit with springs and brush set JASX 70-71 -----	
7 7526 1	M321X04471,-04771, -05171,-07071	M0T60081,-82 M0T80281,-381,-581,-981 M0T81081,-281,-284,-681 M0T82281 M0T83981 M0T85981 M1T60285 M1T84181 M1T86281, ZC
		
	complete with springs and brushes	

IKA-No.	OE-Ref.	Unit-No.
7 7527 1	M649X20771 ME701495	M2T87871 M8T80071,-A,-80171,-80471 -80472,-80501,-80571
	with springs and negative brushes	
7 7627 1	M649X20771 ME701495	
	Kit with additional positive brushes 2 x JAS 70 -----	
7 7528 1	M321X10276	M0T70381,-70481,-81181 M1T70483,-73383,-84883
	complete with springs and brushes	



BRUSH-HOLDERS

VALEO

IKA-No.	OE-Ref.	Unit-No.
7 7146 1	190987,191824,193288	D7G... SIH anticlock
	complete with brushes -----	PSX 163-164 VW
7 7147 1	191141,191823	D7G... SH clockwise
	complete with brushes -----	PSX 160-164 Audi,BMW,PSA
7 7148 1	191060,191822	D7G... SH clockwise
	complete with brushes -----	PSX 160-164 PSA, Renault
7 7149 1	192984	D7G... SH clockwise overload protection starter
	complete with brushes -----	PSX 165-164
7 7150 1	181 961 594 072 brush length 14.5 mm w/o. brushes and springs -----	D6RA8,10 (PSX 146 - 147)
7 7151 1	183 957 186 381 594 070 brush length 16.5 mm w/o. brushes and springs -----	D6RA5,6,12,16,18,20,61 (PSX 148 - 149)
7 7152 1	for 4 brushes w/o. brushes and springs -----	D8E... / D9E... PSX 129 PSX 130
7 7153 1	for 2 brushes w/o. brushes and springs -----	D8E... / D9E... PSX 133
7 7156 1	for 2 and 4 brushes w/o. brushes and springs	D9R... PSX 138-139 (2) PSX 140-141 (4)

IKA-No.	OE-Ref.	Unit-No.
7 7157 1	with 4 springs and 4 caps w/o. brushes -----	D7R... PSX 142-143 PSX 142-144 PSX 142-145
7 7159 1	594351 3 brushes 594290 4 brushes Brush Sets	D7E 1,4,6,8,15,16 18-20,22,27, 29-32,D28 SH clockwise PSX 155(3) PSA PSX 155(4) Mercedes A
	complete with 4 brushes also suitable for 3 brushes version -----	
7 7165 1	594381 Brush Set	D7ES 2,4,5 SIH anticlock PSX 156 VW
	complete with brushes -----	
7 7167 1	replaced by -----	7 7147 1
7 7601 1	199411 brush holder with bracket  -----	D6G... SIH anticlock VW
7 7602 1	195253 brush holder with bracket  -----	D6G... SH clockwise
7 7603 1	195713 brush holder with bracket  -----	D6G... SH clockwise
7 7604 1	194404 brush holder with bracket 	D6G... SH clockwise
	 Brush Holders for D6G, D7E and D7G with genuine two component brushes	



7 5001 0



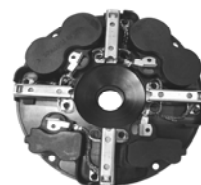
7 5002 0



1 5104 0



7 5003 0



7 5004 0

HPI SYSTEMS

IKA-No.	OE-Ref.	Unit-No.
7 5001 0	Brush Card Faurecia	Citroen Saxo Peugeot 106 Renault Kangoo Trafic engine cooler

7 5002 0	Brush Card Faurecia complete with harness	Citroen Saxo Peugeot 106 Renault Kangoo Trafic engine cooler

7 5003 0	Brush Card Siemens-VDO	Mercedes A-class power steering pump

7 5004 0	Brush Card BMW Mini	power steering pump



you can find brushes and springs at chapter 1, page 39

IKA-No.	OE-Ref.	Unit-No.
1 5104 0	HPI Insulation tube	

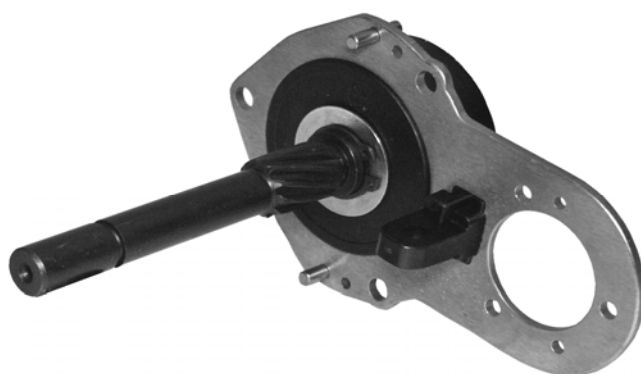
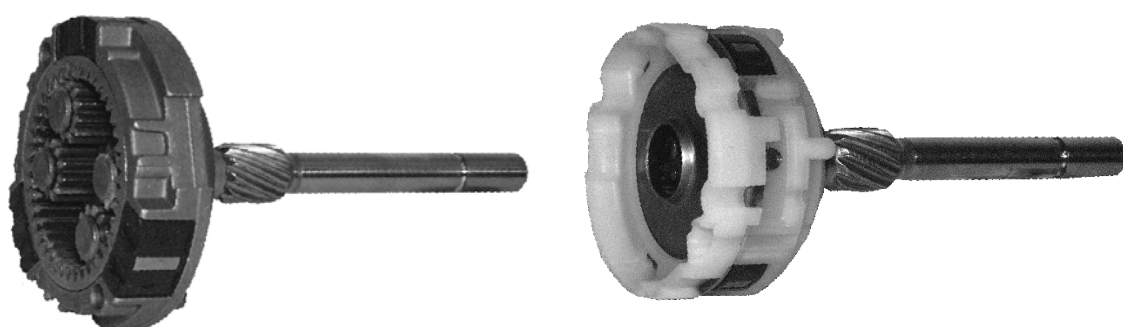


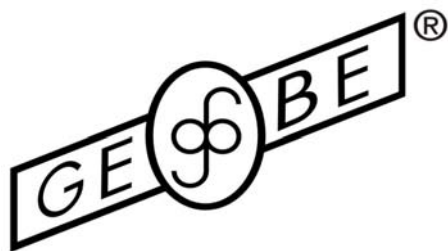
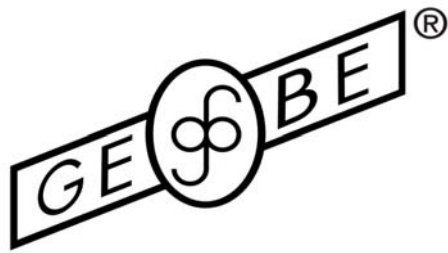
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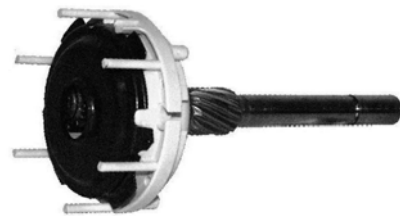
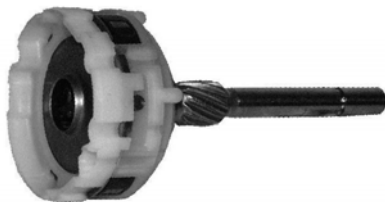
PLANETENGETRIEBE

PLANETARY GEARS

COURONNE AXE REDUCTEUR





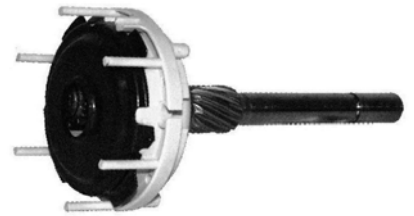
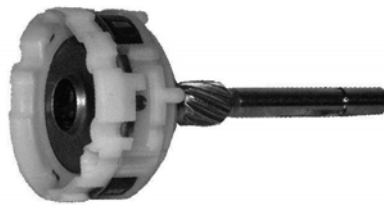


PLANETENGETRIEBE / PLANETARY GEARS

BOSCH

IKA-No.	Bosch-Ref.	Unit-No
4 2301 1	1 006 200 006 1 006 200 187 O.E.REBUILT Gear Cover 4 2202 0 -----	0 001 110 004,007,008,011- 013,019,022,023, 027,043-046,048, 049,051,052,064- 067,083, 088,090,108 111,120
4 2302 0	1 006 200 012 1 006 200 183 interchangeable with 4 2381 1 Gear Cover 4 2202 0 -----	0 001 110 009,010,031,032,
4 2303 1	1 006 200 015 O.E.REBUILT Gear Cover 4 2202 0 -----	0 001 109 009 0 001 110 003,005,024,025, 042,055,082,092, 102,115,124,125
4 2304 0	1 006 200 001 1 006 200 005 1 006 200 010 1 006 200 018 1 006 200 056 1 006 200 074 1 006 200 123 1 006 200 131 Gear Cover 4 2201 0 -----	0 001 108 001,002,004,007, 009-012,016,017, 019,020,022-031, 033,035, 037-040,043,044, 047,048,051-053,056, 057,061,062,071- 073,075,081,082, 084-086,091-093, 095,098,100,109, 111,116-119,126, 129,136,137,144, 146,151,152,154, 158,159 0 001 111 003
4 2305 0	1 006 200 020 Gear Cover 4 2202 0 -----	0 001 110 018
4 2306 0	1 006 200 004 1 006 200 021 Gear Cover 4 2202 0	0 001 110 001,002,014,015 057,058

IKA-No.	Bosch-Ref.	Unit-No
4 2307 0	1 006 200 027 Gear Cover 4 2202 0 -----	0 001 109 011,012 110 033
4 2308 0	1 006 200 037 1 006 200 130 1 006 200 159 Gear Cover 4 2207 0 -----	0 001 107 003,004,022,023
4 2310 0	1 006 200 042 1 006 200 110 Gear Cover 4 2207 0 -----	0 001 107 009,012,013,015, 9 000 081 004,034,060
4 2311 0	1 006 200 043 1 006 200 128 Gear Cover 4 2207 0 -----	0 001 107 007,008,020,021, 052,053
4 2314 1	1 006 200 057 1 006 200 132 O.E.REBUILT Gear Cover 4 2203 0 -----	0 001 107 014,016
4 2315 0	9 001 337 058 9 001 337 059 9 002 338 850 9 003 336 270 9 003 336 299	0 001 218 002,004,005, 007-015,017-019, 022-028, 100,102-107,111, 112-115,118, 120-122,124-131, 133,138,140-147, 151-155,158,159, 161,164,167,168, 171,175-177, 219 004,008,011,012,014 6 003 AB1 J00 9 000 331 401,402,405,407-409, 412-415,417,418,422, 425-427,432,433 332 401,402
	Gear Cover 4 2221 0	

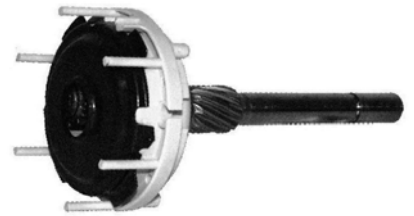
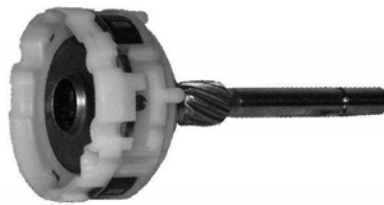


PLANETENGETRIEBE / PLANETARY GEARS

BOSCH

IKA-No.	Bosch-Ref.	Unit-No
4 2316 0	9 001 140 391 9 001 337 069 Gear Cover 4 2221 0 -----	0 001 218 003,020,178
4 2317 0	9 001 337 067 9 003 336 285 Gear Cover 4 2221 0 -----	9 000 331 406,411
4 2318 0	1 006 200 050 9 001 140 362 9 001 337 056 9 003 336 268 Gear Cover 4 2221 0 -----	0 001 218 006,016,021,029, 108-110,123,127, 139,150,156,160 219 001,007,009,013, 015 9 000 331 419
4 2320 0	9 001 337 075 9 003 336 260 9 003 336 267 Gear Cover 4 2221 0 -----	9 000 331 424,428
4 2321 1	1 006 200 040 O.E.REBUILT Gear Cover 4 2208 0 -----	0 001 109 001,002,006,007
4 2322 0	1 006 200 017 1 006 200 048 1 006 200 104 1 006 200 134 1 006 200 903 Gear Cover 4 2203 0 -----	0 001 108 003,018,042,054, 057,063-065,074, 078-080,083, 087-090,101,102, 106-108,110, 112-114,120-122, 124,125,143,149
4 2323 0	1 006 200 016 1 006 200 090 1 006 200 152 1 006 200 902 Gear Cover 4 2204 0	0 001 109 040 110 016,028-030,039,041, 048,049,053,054,071, 072,075,078,091,100, 101,104-107,110,113, 130,131

IKA-No.	Bosch-Ref.	Unit-No
4 2324 1	1 006 200 019 1 006 200 171 1 006 200 904 F 010 AL1 021	0 001 109 017,049,059,060 110 017,026,079,089, 095,114,126-129, 999 F 010 AL0 101
	O.E.REBUILT Gear Cover 4 2204 0 -----	
4 2325 0	1 006 200 062 Gear Cover 4 2209 0 -----	0 001 107 010,038
4 2326 0	1 006 200 064 Gear Cover 4 2207 0 -----	0 001 107 024
4 2327 1	1 006 200 070 1 006 200 133	0 001 107 027-029,041
	O.E.REBUILT Gear Cover 4 2203 0 -----	
4 2328 1	1 006 200 069 1 006 200 127	0 001 107 025,026,103,104
	O.E.REBUILT Gear Cover 4 2207 0 -----	
4 2329 0	1 006 200 030 1 006 200 041 1 006 200 129 Gear Cover 4 2210 0 -----	0 001 107 005,006 108 060,076,077, 096,097
4 2361 0	1 006 200 059 1 006 200 098 Gear Cover 4 2203 0 -----	0 001 108 123,134,160,995
4 2362 0	1 006 200 088 Gear Cover 4 2214 0 -----	0 001 124 001-006,013,014
4 2363 0	1 006 200 117 Gear Cover 4 2214 0	0 001 125 001,002,005-008,012, 013,021,022,031,032 035,036,042,043,051, 052

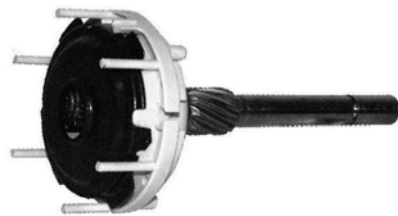
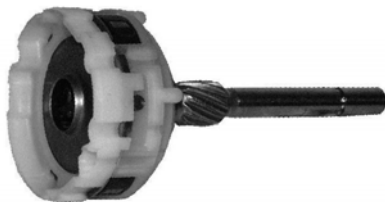


PLANETENGETRIEBE / PLANETARY GEARS

BOSCH

IKA-No.	Bosch-Ref.	Unit-No
4 2364 0	1 006 200 118 Gear Cover 4 2214 0 -----	0 001 124 007,008,011,012, 022-025 125 003,004,007,010,039, 040
4 2365 0	1 006 200 122 Gear Cover 4 2214 0 -----	0 001 125 011
4 2366 0	1 006 200 126 Gear Cover 4 2214 0 -----	0 001 125 501-504,507,508, 511-514,517,518 602
4 2367 0	1 006 200 143 Gear Cover 4 2214 0 -----	0 001 124 015 125 025
4 2368 0	9 001 337 073 9 003 336 265 Gear Cover 4 2221 0 -----	0 001 218 116,117
4 2369 0	1 006 200 096 1 006 200 099 F 010 AL1 012 Gear Cover 4 2214 0 -----	0 001 109 014,018,025,026,028 030,031,033,036,041, 042,048,061 200,252,253 110 112
4 2370 1	1 006 200 058 1 006 200 103 O.E.REBUILT Gear Cover 4 2200 0 -----	0 001 107 017,018,044,045
4 2371 1	1 006 200 087 1 006 200 145 O.E.REBUILT Gear Cover 4 2200 0 -----	0 001 107 037, 108 157,169,190,196
4 2372 0	1 006 200 161 Gear Cover 4 2209 0	0 001 106 012,017,022,023

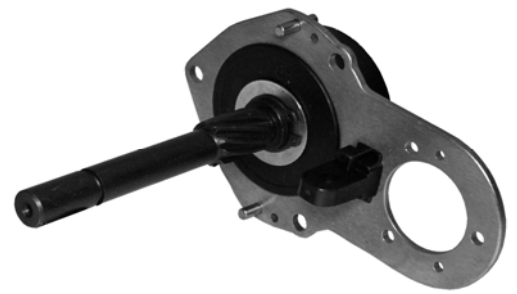
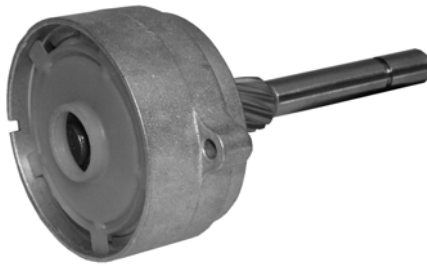
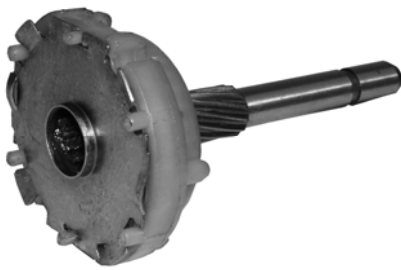
IKA-No.	Bosch-Ref.	Unit-No
4 2373 1	1 006 200 047 O.E.REBUILT Gear Cover 4 2203 0 -----	0 001 108 115,145
4 2374 1	1 006 200 061 1 006 200 071 1 006 200 111 O.E.REBUILT Gear Cover 4 2203 0 -----	0 001 108 125,128,132, 139-141,148,150,155, 156,170,177 115 035
4 2375 0	9 001 337 057 9 003 336 296 Gear Cover 4 2221 0 -----	0 001 218 101,134-136,142, 157,163,174
4 2377 1	9 001 337 087 O.E.REBUILT Gear Cover 4 2221 0 -----	0 001 218 162,165
4 2378 1	1 006 200 068 1 006 200 135 O.E.REBUILT Gear Cover 4 2201 0 -----	0 001 108 130,133,138,210
4 2379 0	1 006 200 072 Gear Cover 4 2209 0 -----	0 001 107 030,077,089,098
4 2380 1	1 006 200 093 O.E.REBUILT Gear Cover 4 2207 0 -----	0 001 107 047
4 2381 0	1 006 200 055 1 006 200 184 Gear Cover 4 2204 0	0 001 110 061,062,069,070, 084-087,118,119



PLANETENGETRIEBE / PLANETARY GEARS

BOSCH

IKA-No.	Bosch-Ref.	Unit-No
4 2382 1	1 006 200 082 O.E.REBUILT Gear Cover 4 2203 0 -----	0 001 108 153
4 2383 1	1 006 200 014 O.E.REBUILT Gear Cover 4 2203 0 -----	0 001 108 021,147
4 2385 1	1 006 200 077 1 006 200 086 O.E.REBUILT Gear Cover 4 2204 0 -----	0 001 110 098,099
4 2386 0	1 006 200 136	0 001 109 034 Toyota 28100-0B020



PLANETENGETRIEBE / PLANETARY GEARS

FORD / MARELLI / VALEO

IKA-No.	O.E.-Reference	Unit-No
FORD		
4 2511 1	Ford PMGR	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA
	Stationary Gear 4 2229 0	

4 2512 1	Ford PMGR	97VB-11000-AB 98VB-11000-BA,-B1A,B3B

4 2513 1	Ford PMGR	1S7U-11000-BA,-BB,-BC 31CA-11000-AB XS7U-11000-AB,-BA YC1U-11000-A,-AB,-AE

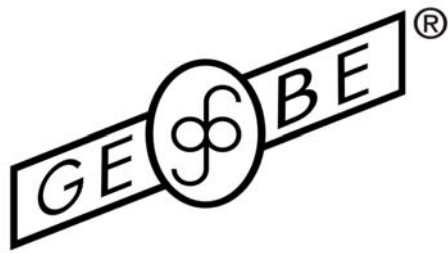
4 2514 1	Ford PMGR	1S4U-11000-AA 97BB-11000-BB,-BC

MARELLI		
4 2400 1	Marelli PG 855 408 21	E70R 632 234 30-32,34,36 235 30-32
	O.E. REBUILT	
	Gear Wheel 4 2245 0	

IKA-No.	O.E.-Reference	Unit-No
VALEO		
4 2501 1	594609	D6RA84,85,87,185,187,188
	Stationary Gear 37 teeth Planetary Shaft 15 teeth	
	Stationary Gear 4 2218 0	

4 2502 1	594538	D6RA 5,6,8,10,12,13,16,18,20, 22,26,30,32,33,37-39, 41,48,49,59,61
	Stationary Gear 59 teeth Planetary Shaft 22 teeth	
	Stationary Gear 4 2219 0	

4 2503 1	Valeo PG 59 teeth	D6RA65,165
	Stationary Gear 59 teeth Planetary Shaft 22 teeth	
	Stationary Gear 4 2219 0	



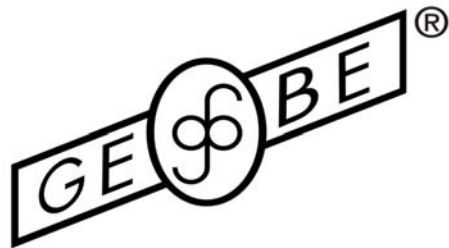
4

ERSATZTEILE FÜR GETRIEBESTARTER

COMPONENTS FOR GEAR STARTERS

PIECES DE RECHANGE POUR DEMARREURS
A REDUCTEUR







4 2200 0, 4 2203 0
4 2214 0



4 2211 0



4 2201 0, 4 2202 0
4 2207 0, 4 2208 0
4 2209 0, 4 2210 0
4 2246 0



4 2251 1, 4 2253 1



4 2240 0, 4 2241 0
4 2244 0



4 2215 0



4 2222 0
4 2225 0



4 2265 1, 4 2267 1

COMPONENTS

BOSCH - GEAR STARTERS

IKA-No.	Unit-No.	Bosch Part-No. Bosch Gear-No.
	0 001 106 ...	
4 2209 0	012,017,022,023	1 005 821 321 1 006 200 161
	0 001 107 ...	
4 2200 0	017,018,031,032,037,044,045, 048,049	1 005 821 328,348 1 006 200 058,083,103, 145,149
4 2203 0	014,016,027-029,041	1 005 821 308,352 1 006 200 057,070,132,133
4 2207 0	003,004,007-009,012,013,015, 019-026,034,043,047,052,053, 060,063,066,103,104	1 005 821 312 1 006 200 042,060,064,069, 093,110,127,130
4 2209 0	010,011,030,038,039,075,077, 079,088,089,098	1 005 821 321 1 006 200 062,063,072,153
4 2210 0	005,006,033,061,085	1 005 821 314 1 006 200 074,129,173
4 2211 0		Rubber
4 2215 0		Coverplate
4 2222 0		1 000 290 014,020 Plasticring for 4 2200 0
4 2225 0		Plasticring for 4 2203 0
4 2240 0		Gear for 4 2200 0
4 2241 0		Gear for 4 2203 0
4 2251 1		4 2200 0 w.Rubber (3)
4 2253 1		4 2203 0 w.Rubber (3)
4 2265 1	for 4 2201 0 , 4 2203 0	Gear Wheel Kit (3)

IKA-No.	Unit-No.	Bosch Part-No. Bosch Gear-No.
	0 001 108 ...	
4 2200 0	157,166,169,173-175,189,190, 196,200,201	1 005 821 328,348 1 006 200 116,145
4 2201 0	001,002,004,007,009-013,016, 017,019,020,023-033,035,037- 040,043-048,050-053,057,059- 062,066,068-073,075-077,081, 082,084-086,091-096,098-100, 103-105,109,111,113-119,126, 127-141,143-146,148,150-159, 169,203,210,996-999	1 005 821 300,307,311 1 006 200 018,026,031,036, 056,068,074, 123,131,135
4 2203 0	003,018,021,042,054,057, 063-065,074,078-080,083 087-090,101,102,106-108,110, 112-115,120,121,124,125,128, 132,134,135,139-141,143,145, 147-150,153,155,160,170,177	1 005 821 308,352 1 006 200 014,017,047,048, 059,082,098, 104,134
4 2210 0	060,076,077,096,097	1 005 821 314 1 006 200 030,129
4 2211 0		Rubber
4 2215 0		Coverplate
4 2225 0		Plasticring
4 2253 1		4 2203 0 w.Rubber (3)
4 2241 0		Gear for 4 2203 0
4 2265 1	for 4 2201 0 , 4 2203 0	Gear Wheel Kit (3)
	0 001 109 ...	
4 2202 0	003,008,009,011,012	1 005 821 303 1 006 200 015,027,044
4 2204 0	017,040,049,059,060	1 005 821 306 1 006 200 152,171
4 2208 0	001,002,006,007	1 005 821 313 1 006 200 040
4 2214 0	014,018,025,026,028,030,031, 033,036	1 005 821 333 1 006 200 096,099
4 2246 0	034,063	Outer Gear 1 006 200 136
4 2244 0		Gear for 4 2214 0
4 2267 1	for gear 4 2244 0	Gear Wheel Kit (3)

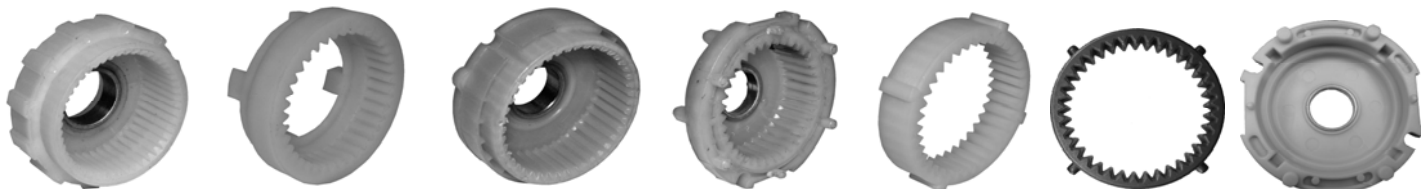


COMPONENTS

BOSCH - GEAR STARTERS

IKA-No.	Unit-No.	Bosch Part-No. Bosch Gear-No.
0 001 110 ...		
4 2202 0	001-005,007-015,018,019,022, 023-025,027,031-033,042-046, 048,049,051,052,055,057,058, 064-067,076,077,082,088,090, 092,098,099,102,108,110,111, 113,115,120,124,125	1 005 821 303 1 006 200 004,006,012,015 020,021,027, 183,187
4 2204 0	016,017,026,028-030,039,041, 047-049,053,054,059,060,063, 068,071-073,075,078-081,089, 091,095,098-100,101,104-107, 114,122,123,126-131,999	1 005 821 306 1 006 200 016,019,033,077, 086,090,103
4 2214 0	112	1 005 821 333 1 006 200 099
4 2212 0		Gummi / Rubber
4 2216 0		Abdeckplatte / Coverplate
4 2226 0		Kunststoffring / Plasticring
4 2242 0		Gear für / for 4 2204 0
4 2254 1		4 2204 0 +Gummi /Rubber (3)
4 2266 1	for 4 2202 0 , 4 2204 0	Zahnrad / Gear Wheel Kit (3) + Nadelhülse/ Needle Bearing
0 001 111 ...		
4 2201 0	001,003-005	1 005 821 307,311 1 006 200 024
4 2203 0	002	1 005 821 308,352 1 006 200 076
0 001 115 ...		
4 2203 0	035 R74-E25	1 005 821 308,352 1 006 200 111
0 001 124 ... / 125 ...		
4 2214 0	124 001-008,011-015,22-25, 125 001,002,005-010,012,013, 021,022,025,031,032, 035,036,039,040,042, 043,051,052	1 005 821 333 1 006 200 088,117,118, 122,126,143

IKA-No.	Unit-No.	Bosch Part-No. Bosch Gear-No.
0 001 124 ... / 125 ...		
4 2216 0		Abdeckplatte / Coverplate
4 2217 0		Gummi / Rubber
4 2226 0		Kunststoffring / Plasticring
4 2242 0		Gear für / for 4 2214 0
4 2244 0		Gear für / for 4 2214 0
4 2255 1		4 2214 0 + Gummi /Rubber(3)
4 2266 1	for gear 4 2242 0	Zahnrad / Gear Wheel Kit (3) + Nadelhülse/Needle Bearing
4 2267 1	for gear 4 2244 0	Zahnrad / Gear Wheel Kit (3) + Nadelhülse/Needle Bearing
0 001 218 ...		
9 1890 1	Pin-Diameter	8.00 mm
4 2205 0	001-029	9 001 140 322 Plastic
4 2206 0	001-029	alternative Steel
4 2213 0		Rubber 9 003 331 003
4 2221 1	100-176	9 002 338 850
4 2243 0		9 003 336 321 Hohlrad / Gear
4 2267 1		Zahnrad/Gear Wheel Kit (3) + Nadelhülse/Needle Bearing
0 001 219 ...		
4 2205 0	002,003	9 001 140 322 Plastic
4 2221 0	005-014	9 002 338 850
0 001 230 .../231...		
4 2250 0	230 001-016,018,021,023 231 001-014,016-019,023	9 003 337 009
9 000 331 ...		
4 2205 0	401-413,417,418,421	9 001 140 322 Plastic
4 2221 0	401,402,405,408,414,418-420, 422-424,426,428	9 002 338 850



4 2223 0

4 2224 0

4 2227 0
4 2228 0

4 2229 0

4 2245 0

4 2247 0

4 2248 0

COMPONENTS

GEAR STARTERS

IKA-No.	Unit-No.	OE-Ref.
DELCO		
4 2223 0	PG 260	10475632

VISTEON/FORD		
4 2229 0	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA	E90Z-11A165-A

4 2247 0	Inner Gear	
	1S7U-11000-BA,-BB,-BC 2S7T-11000-DA 3M5T-11000-DB,-DC 97CA-11000-AB XS7U-11000-AB,-BA YC1U-11000-A,-AB,-AE 1S4U-11000-AA 93BB-11000-HB,-JB 96BB-11000-AA 97BB-11000-BB,-BC F3RZ-11002-B	
	Marelli 631 870 51	
4 2248 0	Outer Gear	for 4 2247 0

MARELLI		
4 2224 0	631 110 01,05,08 130 01 632 235 35,37 237 30	542 94580 M70R fits Planetary Gear 855 412 40

4 2245 0	632 234 30-32,34-36,38 235 30-32	E70R fits Planetary Gear 855 408 21

IKA-No.	Unit-No.	OE-Ref.
mitsubishi		
4 2227 0	M1T70481,681,685-687,881 71081,281,481,781,841,881 72081,086,181,182,581,981	M135C00171

4 2228 0	M1T70281,285-287,381,481,681, 781,881,981,985 71181,381,385,481,581,681, 781	M135X00871 MD618538



4 2218 0
4 2219 0



4 2268 1



4 3841 0



4 3836 1, 4 3837 1
4 3838 1, 4 3839 1



4 3840 0, 4 3844 0

COMPONENTS

GEAR STARTERS

IKA-No.	Unit-No.	OE-Ref.
		VALEO
4 2218 0	D6RA85,185	Delco 21023994 21024210
	Stationary Gear 37 teeth -----	
4 2219 0	D6RA65,165	Delco 21023232 21023719
	Stationary Gear 59 teeth -----	
4 2268 1	D6RA	Gear Wheel Kit (3) Complete with bushings
	for Stationary Gear 59 teeth	

IKA-No.	Unit-No.	OE-Ref.
		HITACHI
4 3837 1	S-114850 Opel Astra, -Corsa Diesel	2114-41100
	Armature 9 teeth -----	
		VALEO
4 3836 1	D6RA67,76-81,91,100,101,104, 105,107-110,115,167,180, 181	594528, 594530
	Armature 7 teeth -----	
4 3838 1	D6RA45,50-57,60,63,64,66,70, 72,74,75,83-85,87,137,138, 141,161,168,185,187,188, 210,511,571,572,661,721 D6RAD183	594529, 594531
	Armature 8 teeth -----	
4 3839 1	D6RA5-8,10-13,15-23,25-30, 32-34,37-44,46-49,59, 61,62,65,68,73,82,133, 162,165,249	594526
	Armature 13 teeth -----	
4 3840 0	D6RA SH clockwise rotation -----	Field Case complete with Magnets
4 3841 0	D6RA -----	Support for Magnets
4 3842 0	D6RA -----	Magnet North
4 3843 0	D6RA -----	Magnet South
4 3844 0	D6RA SIH anticlock rotation	Field Case complete with magnets

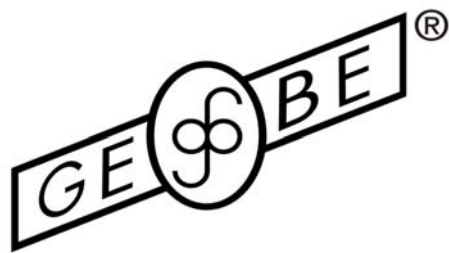
5

SINTERBUCHSEN UND BUCHSENSÄTZE

BUSHINGS AND BUSHING-KITS

BAGUES ET JEUX DES BAGUES







SINTERBUCHSEN

SELF LUBRICATING BUSHINGS

BOSCH

OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
1 000 301 000	4 4000 0	4 4000 1	12.56/16.6	x	15.8
1 000 301 001	4 4004 0	4 4004 1	12.56/16.6	x	11.5
1 000 301 002	4 4002 0	4 4002 1	12.56/16.6	x	14
1 000 301 009	4 4009 0	4 4009 1	12.1 /13.62	x	11.5
1 000 301 011	4 4011 0	4 4011 1	12.06/16.12	x	16
1 000 301 012	4 4012 0	4 4012 1	12.06/16.12	x	14
1 000 301 013	4 4013 0	4 4013 1	26.12/30.13-33	x	11.5
1 000 301 021	4 4021 0	4 4021 1	11.06/13.63	x	14
1 000 301 022	4 4022 0	4 4022 1	17.61/21.62	x	9.5
1 000 301 023	4 4023 0	4 4023 1	14.36/16.04	x	10
1 000 301 026	4 4053 0	4 4053 1	12.1 /13.62	x	13.5
1 000 301 027	4 4027 0	4 4027 1	26.12/32.13-33	x	11.5
1 000 301 031	4 4009 0	4 4009 1	12.1 /13.62	x	11.5
1 000 301 032	4 4032 0	4 4032 1	11.1 /12.62	x	11.5
1 000 301 034	4 4004 0	4 4004 1	12.56/16.6	x	11.5
1 000 301 042	4 4000 0	4 4000 1	12.56/16.6	x	15.8
1 000 301 046	4 4004 0	4 4004 1	12.56/16.6	x	11.5
1 000 301 047	4 4002 0	4 4002 1	12.56/16.6	x	14
1 000 301 053	4 4053 0	4 4053 1	12.1 /13.62	x	13.5
1 000 301 054	4 4054 0	4 4054 1	8.06/11.12	x	8
1 000 301 054 L	4 4052 0	4 4052 1	8.06/11.12	x	10
gear inside 0 001 218 ...					
1 000 301 055	4 4055 0	4 4055 1	18.03/22.12	x	8
1 000 301 055 K	4 4057 0	4 4057 1	18.03/22.12	x	6.5
gear outside 0 001 218 ...					
1 000 301 056	4 4056 0	4 4056 1	10.06/14.1	x	10
1 000 301 061	4 4061 0	4 4061 1	10.06/16.6	x	10.5
1 000 301 062	4 4062 0	4 4062 1	12.56/16.6	x	10
1 000 301 063	4 4063 0	4 4063 1	12.05/15.05	x	15
1 000 301 066	4 4066 0	4 4066 1	12.10/13.62	x	18.8
1 000 301 072	4 4072 0	4 4072 1	11 /13.5	x	9
1 000 301 074	4 4055 0	4 4055 1	18.03/22.12	x	8
1 000 301 076	4 4054 0	4 4054 1	8.06/11.12	x	8
1 000 301 077	4 4053 0	4 4053 1	12.1 /13.62	x	13.5
1 000 301 078	4 4123 0	4 4123 1	12.1 /14.12	x	13
1 000 301 080	4 4071 0	4 4071 1	12.56/16.6	x	8
1 000 301 082	4 4066 0	4 4066 1	12.10/13.62	x	18.8
1 000 301 083	4 4056 0	4 4056 1	10.06/14.1	x	10
1 000 301 093	4 4001 0	4 4001 1	14.3 /16	x	39.8
O.E.split bushing					
1 000 322 005	4 4005 0	4 4005 1	10.06/16.6 -19	x	14.8

OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
1 000 390 001/003	4 4082 0	4 4082 1	28.5 /32.3	x	11
1 000 390 004	split bushing				
1 000 390 001/003	4 4083 0	4 4083 1	28.5 /32.3	x	11
1 000 390 004	sintered bushing				
1 000 390 001/003	4 4085 0	4 4085 1	28.5 /32.3	x	11
1 000 390 004	O.E.split bushing				
1 900 301 420	4 4080 0	4 4080 1	14 /20	x	10
1 900 301 454	4 4081 0	4 4081 1	25 /32	x	17.9
2 000 301 000	4 4103 0	4 4103 1	12.56/16.6	x	18
2 000 301 001	4 4101 0	4 4101 1	14 /17.6	x	17
2 000 301 002	4 4102 0	4 4102 1	19.09/25.1	x	10
2 000 301 004	4 4104 0	4 4104 1	16.67/19.6	x	19
2 000 301 005	4 4105 0	4 4105 1	22.08/26.1	x	23
2 000 301 006	4 4106 0	4 4106 1	14.36/16.04	x	23.5
2 000 301 009	4 4109 0	4 4109 1	14 /17.6	x	15
2 000 301 011	4 4111 0	4 4111 1	19.09/25.1	x	13
2 000 301 013	4 4113 0	4 4113 1	10.07/14.1	x	13
2 000 301 015	4 4115 0	4 4115 1	40 /48	x	10.5
2 000 301 016	4 4116 0	4 4116 1	22.14/28.1	x	11.3
2 000 301 019	4 4119 0	4 4119 1	12.56/16.6	x	16
2 000 301 020	4 4009 0	4 4009 1	12.1 /13.62	x	11.5
2 000 301 022	4 4122 0	4 4122 1	11.1 /12.62	x	10.5
2 000 301 023	4 4123 0	4 4123 1	12.1 /14.12	x	12
2 000 301 024	4 4124 0	4 4124 1	14.36/16.04	x	13.7
2 000 301 025	4 4053 0	4 4053 1	12.1 /13.62	x	13.5
2 000 301 026	4 4126 0	4 4126 1	19.09/23.1	x	10
2 000 301 028	4 4124 0	4 4124 1	14.36/16.04	x	13.7
2 000 301 031	4 4131 0	4 4131 1	14.36/16.04	x	11.7
2 000 301 036	4 4136 0	4 4136 1	12.1 /14.12	x	14
2 000 301 037	4 4137 0	4 4137 1	14.06/20.03	x	17
2 000 301 040	4 4123 0	4 4123 1	12.1 /14.12	x	12
2 000 301 041	4 4141 0	4 4141 1	19.09/23.1	x	13
2 000 301 043	4 4142 0	4 4142 1	14.06/18.1	x	14
2 000 301 044	4 4144 0	4 4144 1	14.36/16.04	x	20.5
2 000 301 047	4 4142 0	4 4142 1	14.06/18.1	x	14
2 000 301 049	4 4141 0	4 4141 1	19.09/23.1	x	13
2 000 301 053	4 4053 0	4 4053 1	12.1 /13.62	x	13.5
2 000 301 140	4 4102 0	4 4102 1	19.09/25.1	x	10
2 000 322 020	4 4199 0	4 4199 1	34.5 /44	x	42.5
white metal					
9 001 140 347	4 4077 0	4 4077 1	10.06/16.6	x	11.5
9 001 320 323	4 4062 0	4 4062 1	12.56/16.6	x	10
9 003 330 317	4 4093 0	4 4093 1	10 /16.1	x	10
Gear Shaft for Planetary Gear Starters	4 4198 0	4 4198 1	20.85/25	x	11.8
			9 001 336 244		
			0 001 230 ... / 231 ...		



SINTERBUCHSEN

SELF LUBRICATING BUSHINGS

OE-Ref.		IKA-No. bulk	IKA-No. packed by 10	Dimensions		
A.C. DELCO / US DELCO						
183 9345	drive	4 4200 0	4 4200 1	12.8 /14.35	x	19.8
189 4635		4 4201 0	4 4201 1	16 /19.2	x	22
192 3907	drive	4 4206 0	4 4206 1	12 /13.2	x	18.2
193 2190	drive	4 4203 0	4 4203 1	12 /13.2	x	12
194 5509		4 4201 0	4 4201 1	16 /19.2	x	22
196 2606		4 4205 0	4 4205 1	19.2 /31.8	x	10.2
196 8338	drive	4 4203 0	4 4203 1	12 /13.2	x	12
198 4268	drive	4 4206 0	4 4206 1	12 /13.2	x	18.2
198 8096		4 4202 0	4 4202 1	21.3 /24.4	x	25
347 1069		4 4204 0	4 4204 1	12.05/14.05	x	14
347 1553		4 4204 0	4 4204 1	12.05/14.05	x	14
DR 2003	drive	4 4203 0	4 4203 1	12 /13.2	x	12

DENSO

028403-0082		4 4457 0	4 4457 1	12.5 /14.7	x	14
949103-0390		4 4461 0	4 4461 1	12.5 /16.5	x	10.5
949103-0540		4 4475 0	4 4475 1	12.5 /16.5	x	14
949103-1320		4 4475 0	4 4475 1	12.5 /16.5	x	14
949103-2020		4 4475 0	4 4475 1	12.5 /16.5	x	14
949103-3160		4 4462 0	4 4462 1	12.5 /15.5	x	10.5
949103-3600		4 4450 0	4 4450 1	10.1 /15.5	x	10.4
949103-3610		4 4468 0	4 4468 1	11.0 /14.7	x	8
949103-3840		4 4469 0	4 4469 1	11.0 /14.7	x	11
949103-3850		4 4451 0	4 4451 1	11 /14.7	x	17
Gear Starter		4 4482 0	4 4482 1	22.7 /28.5	x	6
Gear Starter		4 4483 0	4 4483 1	23.9 /29.17	x	15

OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
DUCELLIER					
28 936	4 4260 0	4 4260 1	16.2 /19.15	x	15
68 412	4 4264 0	4 4264 1	12.05/15.05	x	12
68 449	4 4353 0	4 4353 1	14 /18	x	15
68 754	4 4255 0	4 4255 1	14.01/17.05	x	16
68 763	4 4351 0	4 4351 1	14 /18	x	15
68 888	4 4260 0	4 4260 1	16.2 /19.15	x	15
68 902	4 4265 0	4 4265 1	12.05/15.05	x	15
68 903	4 4265 0	4 4265 1	12.05/15.05	x	15
82 775	4 4256 0	4 4256 1	12.05/15.05	x	20
84 909	4 4265 0	4 4265 1	12.05/15.05	x	14
94 909	4 4259 0	4 4259 1	15.95/19.15	x	14
98 888	4 4257 0	4 4257 1	10 /13	x	12
600 609	4 4253 0	4 4253 1	13 /15	x	14,5
600 628	4 4263 0	4 4263 1	13 /15	x	13,5
600 664	4 4254 0	4 4254 1	12 /15.05-18	x	12
601 476	4 4264 0	4 4264 1	12.05/15.05	x	12
602 039	4 4263 0	4 4263 1	13 /15	x	20
604 521	4 4354 0	4 4354 1	14 /18	x	14
604 541	4 4259 0	4 4259 1	15.95/19.15	x	14

FEMSA

3305 -10		4 4304 0	4 4304 1	12 /16	x	24
3305 -11		4 4305 0	4 4305 1	12 /16	x	13,5
3305 -13		4 4281 0	4 4281 1	10 /14	x	13,5
3305 -82		4 4281 0	4 4281 1	10 /14	x	15
3305 -89		4 4351 0	4 4351 1	14 /18	x	14
3305 -103		4 4300 0	4 4300 1	12 /16	x	13
12665-12		4 4280 0	4 4280 1	10 /14-16.5	x	13



SINTERBUCHSEN

SELF LUBRICATING BUSHINGS

OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
FIAT / MARELLI					
672 541	4 4302 0	4 4302 1	10	/14	x 13.5
850 208	4 4354 0	4 4354 1	14	/18	x 20
4 007 952	4 4304 0	4 4304 1	12	/16	x 16
4 047 985	4 4305 0	4 4305 1	12	/16	x 24.5
4 114 431	4 4300 0	4 4300 1	12	/16	x 14
4 114 442	4 4301 0	4 4301 1	10	/14	x 15
9 927 783	4 4307 0	4 4307 1	14.1	/20	x 11.8
9 927 787	4 4306 0	4 4306 1	12.57/18.54		x 19.8
9 927 789	4 4307 0	4 4307 1	14.1	/20	x 11.8
9 927 796	4 4308 0	4 4308 1	20.27/24		x 13.9
9 938 368	4 4300 0	4 4300 1	12	/16	x 14
9 939 199	4 4077 0	4 4077 1	10.06/16.6		x 11.5
723 625 10	4 4306 0	4 4306 1	12.57/18.54		x 19.8
723 629 10	4 4307 0	4 4307 1	14.1	/20	x 11.8
723 650 10	4 4308 0	4 4308 1	20.27/24		x 15
747 057 10	4 4304 0	4 4304 1	12	/16	x 16
747 058 10	4 4354 0	4 4354 1	14	/18	x 20
748 603 00	4 4300 0	4 4300 1	12	/16	x 14
748 603 80	4 4301 0	4 4301 1	10	/14	x 15
748 661 40	4 4305 0	4 4305 1	12	/16	x 24.5
748 682 10	4 4302 0	4 4302 1	10	/14	x 13.5
748 811 10	4 4311 0	4 4311 1	12	/16	x 12
748 878 90	4 4311 0	4 4311 1	12	/16	x 12
748 944 80	4 4309 0	4 4309 1	11	/15	x 15
E70R C.E.	4 4316 0	4 4316 1	8 / 11.5 -14.5		x 10
E70R D.E.	4 4312 0	4 4312 1	8	/12	x 9.6
E70R I.M.	4 4313 0	4 4313 1	18.1	/23	x 8.0
E95R C.E.	4 4315 0	4 4315 1	15.07/18.1		x 11.8
M70R	4 4318 0	4 4318 1	18.17/23.05		x 9.2
Starter Drive	4 4310 0	4 4310 1	11.6	/13.5	x 18
Starter Drive	4 4314 0	4 4314 1	12.16/14.1		x 18

FORD

E90Z-11135-A	4 4056 0	4 4056 1	10.06/14.1	x	10
PMGR	4 4272 0	4 4272 1	8.1	/12.45	x 10
97BB-11000-BB,BC Gear	4 4273 0	4 4273 1	7.0	/11.9	x 10

OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
HITACHI					
2106-1601	4 4466 0	4 4466 1	11.5 /15.0	x	13/14
2114-1352	4 4466 0	4 4466 1	11.5 /15.0	x	13/14
2114-1353	4 4485 0	4 4485 1	12.05/15.55	x	5.5
2114-1452	4 4467 0	4 4467 1	17.5 /20.1	x	7.5
2114-2601	4 4471 0	4 4471 1	14.0 /18.0	x	20
2114-3601	4 4459 0	4 4459 1	11.0 /15.0	x	15
2114-44101	4 4443 0	4 4443 1	18.1 /22.04	x	6.8
2114-4661	4 4455 0	4 4455 1	12.5 /16.0	x	15
2114-5352	4 4454 0	4 4454 1	12.5 /16.0	x	12
2114-5661	4 4455 0	4 4455 1	12.5 /16.0	x	15
2120-2601	4 4471 0	4 4471 1	14.0 /18.0	x	20
2120-4302	4 4473 0	4 4473 1	15.0 /20.0	x	16
2120-4401	4 4463 0	4 4463 1	20.4 /26.5	x	12.5
2130-1310	4 4472 0	4 4472 1	14.0 /18.0	x	17
2130-2601	4 4472 0	4 4472 1	14.0 /18.0	x	18
GR clutch	4 4474 0	4 4474 1	27.1 /31.15	x	5.8
Gear Starter	4 4476 0	4 4476 1	27.1 /31.24-31.4	x	5.8
Gear Starter	4 4477 0	4 4477 1	22.05/26.28	x	5.2
PMGR	4 4444 0	4 4444 1	22.05/26.05	x	5.2

ISKRA

15 120 087	4 4264 0	4 4264 1	12	/15	x 12
17 120 057	4 4302 0	4 4302 1	10	/14	x 13.5
17 120 203 CE	4 4304 0	4 4304 1	12	/16	x 16
17 120 305 DE	4 4426 0	4 4426 1	11.6	/14.08	x 13

LADA

2101-370-8310 CE	4 4304 0	4 4304 1	12	/16	x 16
2101-370-8405 DE	4 4305 0	4 4305 1	12	/16	x 24
2108-370-8405 CE	4 4420 0	4 4420 1	12	/16-23	x 19.5
Samara DE	4 4265 0	4 4265 1	12	/15	x 15



SINTERBUCHSEN

SELF LUBRICATING BUSHINGS

OE-Ref.		IKA-No. bulk	IKA-No. packed by 10	Dimensions		
LUCAS						
227.713	UTB 110	4 4408 0	4 4408 1	15.1	/18.2	x 22.2
227.818	UTB 110	4 4408 0	4 4408 1	15.1	/18.2	x 22.2
250.626	TCB 127	4 4406 0	4 4406 1	12.7	/15.8	x 19.6
250.678	TCB 126	4 4407 0	4 4407 1	19	/20.6	x 20.6
251.477	TCB 125	4 4404 0	4 4404 1	12.7	/15.8	x 12.7
253.316	TCB 124	4 4403 0	4 4403 1	19	/20.6	x 17.8
255.491	TCB 123	4 4405 0	4 4405 1	15.8	/19	x 19
256.112		4 4417 0	4 4417 1	12.7	/14.35	x 17.4
270.038	TCB 122	4 4399 0	4 4399 1	22.2	/25.4	x 33.3
271.364	TCB 120	4 4412 0	4 4412 1	12.7	/15.9	x 16.5
54.241.267		4 4402 0	4 4402 1	11.2	/15.9-26.2	x 16.3
54.252.054	TCB 114	4 4400 0	4 4400 1	12	/15	x 16.7
54.252.236	TCB 113	4 4401 0	4 4401 1	14	/17	x 19.6
54.255.966	TCB 118	4 4409 0	4 4409 1	17.1	/21	x 22.2
	part of kit					
54.256.098		4 4414 0	4 4414 1	12.8	/15.9	x 14
	TCB 106/118	part of kit				
54.256.132		4 4414 0	4 4414 1	12.8	/15.9	x 14
	TCB 106/118	part of kit				
54.256.151		4 4410 0	4 4410 1	28.6	/31.8-38.1	x 13
	TCB 106/118	part of kit				
54.257.833		4 4411 0	4 4411 1	12.8	/19.1	x 14
	TCB 106/118	part of kit				
54.269.480		4 4264 0	4 4264 1	12	/15	x 12
	TCB 129/130	part of kit				
54.269.790		4 4418 0	4 4418 1	12	/15	x 8
	TCB 129/130	part of kit				
Starter 27458		4 4416 0	4 4416 1	12	/15	x 19
	TCB 110	part of kit				
Starter 27576		4 4415 0	4 4415 1	14.4	/17.5	x 22.2
	TCB 106	part of kit				

MITSUBA

Mitsuba IM	4 4478 0	4 4478 1	23.0	/27.0	x 6
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OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
MITSUBISHI					
M409C12670	4 4458 0	4 4458 1	11.0 /14.0	x	13
M409C12870	4 4470 0	4 4470 1	10.0 /14.0	x	9.5
M409C12970	4 4464 0	4 4464 1	10.0 /14.0	x	13.5
M409C32370	4 4465 0	4 4465 1	12.0 /16.0	x	9.5
M409D30201	4 4464 0	4 4464 1	10.0 /14.0	x	12
M409D32201	4 4460 0	4 4460 1	14.2 /17.2	x	13
M409X32571	4 4484 0	4 4484 1	10.0 /13.0-16.0	x	10.5
M410D11271	4 4456 0	4 4456 1	11.0 /13.0	x	13
M410D12171	4 4442 0	4 4442 1	11.0 /13.0	x	15.5
M410D30171	4 4460 0	4 4460 1	14.2 /17.2	x	13
Mitsubishi 9994	4 4480 0	4 4480 1	12.5 /15.1	x	10
Planetary Gear	4 4452 0	4 4452 1	8.1 /11.5	x	11.6
Starter Drive	4 4380 0	4 4380 1	12.0 /14.0	x	20
Starter Drive	4 4453 0	4 4453 1	12.0 /14.0	x	16
Starter Drive	4 4479 0	4 4479 1	12.9 /14.45	x	18
Starter Drive	4 4481 0	4 4481 1	18.8 /20.0	x	11.5

PAL MAGNETON

323 125 436 125	4 4241 0	4 4241 1	19.06	/22.53	x 13.9
AVIA IM 397 907 552					
323 125 527 127	4 4240 0	4 4240 1	14.54	/18.03	x 14.8
AVIA CE 360 904 551					
323 125 527 131	4 4243 0	4 4243 1	14.54	/18.03	x 16.8
AVIA DE 360 904 550					
323 125 723 125	4 4247 0	4 4247 1	12.56	/16.6	x 14
SKODA 103 903 552					
323 622 640 853	4 4454 0	4 4454 1	12.5	/16	x 12
SKODA FAVORIT					
323 622 642 933	4 4248 0	4 4248 1	10	/14	x 15
SKODA FAVORIT 114 904 550					
390 905 550	4 4245 0	4 4245 1	21.03	/24.67	x 25.9
LIAZ TATON					
390 905 551	4 4242 0	4 4242 1	22.04	/26.03	x 27.4
PAST. T815 bronze					
395 904 551	4 4246 0	4 4246 1	22.04	/26.03	x 27.4
PAST. LIAZ T. steel					
751 904 552	4 4244 0	4 4244 1	23.04	/27.03	x 19.8
VIKO T815 931550					
MAGNETON	4 4302 0	4 4302 1	10	/14	x 13.5



SINTERBUCHSEN

SELF LUBRICATING BUSHINGS

OE-Ref.	IKA-No. bulk	IKA-No. packed by 10	Dimensions		
PARIS-RHONE					
30.828	4 4259 0	4 4259 1	15.95/19.15	x	14
35.070	4 4256 0	4 4256 1	12.05/15.05	x	20
46.388	4 4365 0	4 4365 1	20 /28	x	29
46.389	4 4367 0	4 4367 1	27.1 /35.0-40.0	x	29.5
46.390	4 4366 0	4 4366 1	20 /28.0-32.0	x	25
47.852	4 4354 0	4 4354 1	14 /18	x	20
49.785	4 4353 0	4 4353 1	14 /18	x	18
50.488	4 4352 0	4 4352 1	20 /24	x	12
51.914	4 4265 0	4 4265 1	12.05/15.05	x	15
52.123	4 4353 0	4 4353 1	14 /18	x	18
55.330	4 4361 0	4 4361 1	17 /21	x	24
55.331	4 4370 0	4 4370 1	25 /30	x	20
71.381	4 4369 0	4 4369 1	16 /20	x	25
71.437	4 4362 0	4 4362 1	25 /32.0-39.0	x	20
74.330	4 4364 0	4 4364 1	27 /35	x	14
74.332	4 4361 0	4 4361 1	17 /21	x	24
74.952	4 4355 0	4 4355 1	16 /20	x	10
78.039	4 4350 0	4 4350 1	12 /15.05-18	x	16
95.654	4 4363 0	4 4363 1	20 /24	x	16
96.485	4 4351 0	4 4351 1	14 /18	x	16
97.726	4 4264 0	4 4264 1	12.05/15.05	x	12
104.164	4 4368 0	4 4368 1	16 /20	x	8
105.464	4 4371 0	4 4371 1	10 /13	x	13
105.715	4 4372 0	4 4372 1	10 /13	x	16
Starter Drive	4 4380 0	4 4380 1	12 /14	x	20

ROMANIAN

DM 214 DACIA CE	4 4264 0	4 4264 1	12.05/15.05	x	12
DM 214 DACIA DE	4 4265 0	4 4265 1	12.05/15.05	x	15
2130 / 2134	4 4351 0	4 4351 1	14 /18	x	16

VALEO

D6RA CE	4 4503 0	4 4503 1	6 /10.0-13.7	x	8
D6RA DE	4 4501 0	4 4501 1	12 /15	x	10
D6RA DS	4 4504 0	4 4504 1	6 / 9	x	7
D6RA Gear Wheel	4 4507 0	4 4507 1	4 / 7	x	7
D6RA IM	4 4502 0	4 4502 1	18 /22	x	5
D7E CE	4 4054 0	4 4054 1	8.06/11.12	x	8
D7E DE	4 4056 0	4 4056 1	10.06/14.1	x	10
D7R DS	4 4506 0	4 4506 1	7 /10	x	6.1
D7R IM	4 4505 0	4 4505 1	20 /24	x	5



BUCHSENSÄTZE BUSHING-KITS

BOSCH

IKA-No.	Original-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Ref.	
4 4561 1		1	1 000 301 001	Gear Starters
		1	1 000 301 054	
		1	1 000 301 055	
		1	2 000 301 036	
4 4601 1		1	1 000 301 054	0 001 107 003,005,006,009,015,016,022,025,026,033,040,044,046
		1	1 000 301 056	047,058,061,062,067,076,
		1	2 000 301 036	0 001 108 001,002,004,011,012,016-022,024,025,030,031,033,035 0 001 110 003-005,007,008,011-013,017,018,024-027031-033,047- 049,060-063,084-087,089,092,095,102,111,114,118,119 124,125
4 4602 1		1	1 000 301 012	0 001 107 012,017,018,024,045,054,055,061,062,068,069,072-074
		1	1 000 301 054	0 001 108 009,010,026-029,048,061,062,065,072,073,078,080,089
		1	1 000 301 056	090,101,102,108,113,126,131,136,137,144,159 0 001 109 009,012, 0 001 110 009,010,019,022,023,028,041,042,045,046,055,090,115
4 4603 1		1	1 000 301 021	0 001 107 007,008,020,052,053,
		1	1 000 301 054	0 001 108 005,013,032,045,046,066,070,094,095,105,127,135
		1	1 000 301 056	0 001 110 001,002,014,015,057,058,076,077,098,099
4 4604 1		1	1 000 301 054	0 001 107 037,048,056
		1	1 000 301 056	0 001 108 115,145,157,168,169
		1	9 001 140 384	0 001 109 014,015,023,025,030,031,033-036,040,041,042 0 001 110 040,043,044,051,064,065,066,088,104,105,110,112,113
4 4605 1		1	1 000 301 054	0 001 108 074,112
		1	1 000 301 061	0 001 110 052,083,108
		1	1 000 301 063	
		1	2 000 301 036	
4 4606 1		1	1 000 301 054	0 001 107 030,032,059,064,075,078-080,082
		1	1 000 301 056	0 001 108 068,069,103,104,123,134,148,150,153,160,167,170,172
		1	1 000 917 003	181,995,996-999
4 4607 1		1	1 000 301 054	0 001 108 085,086,112,143
		1	1 000 301 056	
		1	1 000 301 063	
4 4610 1		1	1 000 301 054	0 001 107 019,027,028,029,038,039,041,043,063,085,087
		1	1 000 301 056	0 001 108 125,128,130,132,138,139,140,141,155,156,162,176,177,
		1	1 000 301 061	178,183
		1	1 000 917 004	



BUCHSENSÄTZE BUSHING-KITS

BOSCH

IKA-No.	Original-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Nummer	
4 4611 1		1	1 000 301 054	0 001 108 001,002,004,009-012,016-025,030,031,035,037-039
		1	1 000 301 055	042-044,048,050,054,056,057,059,060,063-065,071,
		1	1 000 301 056	075-077,080-084,087,088,091-093,095,096,098,100,106
		1	2 000 301 036	107,109-111,116-118,120,121,126,129
				0 001 109 001-003 0 001 110 003 005 007,008,011-013,017-019,024-026,031-033 047-049,056,060-063,068,069,072,082,084-087,089,999
4 4612 1		1	1 000 301 012	0 001 108 026-029,033,040,047,061,062,072,073,078,079,089,090
		1	1 000 301 054	101,102,113
		1	1 000 301 055	0 001 110 009,010,022,023,028,041,042,045,046,055
		1	1 000 301 056	
4 4613 1		1	1 000 301 021	0 001 108 005,013,032,045,046,066,070,094,105,127
		1	1 000 301 054	0 001 110 001,002,004,014,015,027,057,076,077
		1	1 000 301 055	
		1	1 000 301 056	
4 4616 1		1	4 4052 0	0 001 218 005,006,012,013,018,021,025-027,029,101-107,109,
		1	4 4057 0	111-115,118-122,125-131,133-135,142
		1	9 001 140 347	9 000 331 411,414,415,418,420,421,423,424,426-428
		1	9 001 140 384	
4 4618 1		1	1 000 322 005	0 001 218 001-004,007-011,014-017,019-020,022-024,028
		1	4 4052 0	108,110,136,140,141,145-148,150
		1	4 4057 0	9 000 331 401,402,405-409,412,413,417,419,422
		1	9 001 140 347	
		1	9 001 140 384	
4 4620 1		1	1 000 301 056	0 001 121 001-003,006-011
		1	1 000 390 001	123 001
		1	1 000 301 054	124 001-007,011-015
				125 001-003,005-013,501-504
				DB L/R 1,1/1,7/1,8/2,0
4 4625 1		1	1 000 301 012	0 001 112 005,006,013,014,032
		1	1 000 301 022	0 001 114 003,004,015,016
		1	1 000 301 062	



BUCHSENSÄTZE BUSHING-KITS

BOSCH

IKA-No.	Orginal-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Nummer	
4 4626 1		1	1 000 301 021	0 001 112 003,004,038,039
		1	1 000 301 022	0 001 113 011,012
		1	1 000 301 062	0 001 114 005,006
4 4627 1		1	1 000 301 022	0 001 112 008-012,015,016,020-024,027,028,034,036,044
		1	1 000 301 062	0 001 113 001-007,013,014
		1	2 000 301 036	0 001 114 008-010,014,017,020-022
4 4640 1		2	1 000 301 000	0 001 362 ...
		1	2 000 301 026	JF 12V
4 4679 1		1	2 000 301 015	0 001 410....
		1	2 000 301 016	0 001 411....
				0 001 414.... - 417....
				KB 24V
4 4680 1		1	1 000 301 001	0 001 208 200-202,206-208,209,211,216,217,224-229,400,
		1	2 000 301 036	405,501,507,510,515-518,705,707
				0 001 211 207,215,229,242,514,536
4 4681 1		1	1 000 301 001	0 001 311 101,103,105-110,112,114,117,120-122,124-127,
		1	1 000 301 012	131,132,136,137,139,141,143
				GF 12V
4 4682 1		1	1 000 301 001	0 001 157 024,025
		1	2 000 301 023	0 001 208 709-711,713
				0 001 211 500-505,510
				EF 12 V
4 4683 1		1	1 900 301 420	0 001 359....
		1	2 000 301 000	0 001 360....
		1	2 000 301 041	JD 12 V / 24 V
4 4684 1		1	2 000 301 000	0 001 366....
		1	2 000 301 041	0 001 367....
		1	2 000 301 043	0 001 368....
				JF 12 V / 24 V



BUCHSENSÄTZE BUSHING-KITS

BOSCH

IKA-No.	Original-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Ref.	
BOSCH				
4 4686 1		1	1 000 301 001	0 001 208 411,412,416,418
		1	1 000 301 021	0 001 211 223,224
		1	1 000 301 022	0 001 314 012,013
				EF 12 V 0,85-0,95 kw GF 12 V 1,5 kw
4 4687 1		1	1 000 301 001	0 001 314 018
		1	1 000 301 011	0 001 317 007,008,013,022
		1	1 000 301 022	GF 12 V 1,7 kw
4 4688 1		1	1 000 301 011	0 001 362 047,069,070,077,078,083
		1	2 000 301 026	JF 12 V 2,0 kw
		1	2 000 301 043	
4 4689 1	2 007 010 121	1	2 000 301 000	0 001 369 001-020,200
		2	2 000 301 041	JF 12 V
		1	2 000 301 043	
		1	2 000 301 044	
4 4690 1		1	2 000 301 000	0 001 354 006,012,016,018
		1	2 000 301 009	0 001 355 012
				0 001 356 001
				EJD 12 V



BUCHSENSÄTZE BUSHING-KITS

DELCO DUCELLIER / VALEO

IKA-No.	Original-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Ref.	
DELCO				
4 4669 1		2	3471553 / 3471069	3471 141,143,144,150,155,169,170 Opel
DUCELLIER				
4 4673 1	583 381	2	600 664	6217 B,C,D,E,F,G,H
		1	601 476	532016 A,B
4 4674 1	583 348	2	601 476	6035 F, 6045 A,B, 6081 E,F 532000 A,B, 532001 A,B, 532005 A, 532007 A, 532011 A, 532012 A,B, 532017 A, 532020 A,B, 532021 A, 532023 A, 532024 A,B, 532025 A,B, 532026 A, 532027 A, 533000 A, 533001 A, 533002 A, 533003A, 533004 A, 534002 A, 534003 A,B,C - 534057 A
4 4675 1	583 369	1	098 888	6020 E,F, 6135 E, 6139 B,C, 6227 A,B
		1	601 476	
4 4676 1	583 372	1	068 763	6056 H,J, 6092 B, 6099 C,D, 6109 F,G,H,K,L, 6160 D,E,F,G,
		1	068 888	6169 A,B, 6177 A,C, 6192 B,C,J,K,L, 6193 A,B, 6207 A,B,C,
			601 476	6232 A, 6233 A
4 4677 1	583 376	1	068 754	6231 C, 6239 A,B, 532002 A,B,C, 532003 A,B, 532004 A,B,C,
		1	601 476	532008 A,B,C, 532009 A,B, 532010 A,B, 532014 A, 536018 A,
		1	602 039	536001 A
4 4678 1	583 379	2	068 754	6178 A,B,C,D, 6200 A,B, 6230 A,B, 538000 A,B,C, 538002 A,
		1	068 888	538003 A, 538005 A,B, 538006 A



BUCHSENSÄTZE BUSHING-KITS

FIAT / MARELLI, LUCAS

IKA-No.	Orginal-Ref.	Inhalt / Composition		Unit-No.
FIAT / MARELLI				
		Qty.	OE-Ref.	
4 4588 1		1	HK 1210/832 222 70	E 95 R
		1	HK 1010	
4 4670 1		1	748 811 10/748 878 90	632 207 00,01,02,05,06,21,23,24,31,43
		1	4 114 442 / 748 603 80	632 208 03,04,06 632 209 00,01,31 E84
4 4671 1		1	9 927 787 / 723 625 10	632 167 01-04,06,08,10,25-27,31,33,40,41,47,48,63
		1	9 927 789 / 723 629 10	
		1	9 927 796 / 723 650 10	MT67 24V
4 4672 1		2	672 541 / 748 682 10	632 201 07,08,137 202 02 204 00,02,03,08,09,33,39 205 36,38 E 76
4 4646 1		1	4 007 952 / 747 057 10	632 223 01,04,31
		1	4 047 985 / 748 661 40	224 05,08,09,30,38 225 01,02 226 02 227 00,01,03,30 E 100
LUCAS				
4 4691 1	60600924 TCB 130	1	54 256 151	M 78
		1	54 268 925	
		1	54 269 480	
		1	54 269 710	
		1	54 269 790	
4 4692 1	60600914 TCB 129	1	54 269 480	M 78
		1	54 269 790	
4 4693 1	54244773 TCB 117	1	11.16/15.85x12.7	M 35 J Inertia
		1	19.08/22.26-25.4x20.3	
4 4694 1	60600306 TCB 106	1	54 256 098	M 45 / M 50 / M 127
		1	54 256 151	
		1	54 257 833	
		1	14.4/17.5x22.2	
4 4695 1	60600178 TCB 108	1	11.16/15.85x12.7	M 35 J
		1	11.16/15.88x19	
		1	19.08/22.26-25.4x20.3	



BUCHSENSÄTZE	LUCAS
BUSHING-KITS	PARIS-RHONE / VALEO

IKA-No.	Orginal-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Ref.	
LUCAS				
4 4696 1	60600047 TCB 110	1	54 256 098	M 45 / M 50
		1	54 256 151	
		1	12.1/15.1x19	
4 4697 1	60600735 TCB 116	1	11.16/15.85-26.2x12.7	M 90
		1	12/15x14.3	
4 4698 1	60600027 TCB 118	1	54 257 833	M 45 / M 50 / M 127
		1	54 256 098	
		1	54 255 966	
		1	54 256 151	
4 4699 1	60600956 TCB 131	1	54 269 790	M 78
		1	54 269 710	
		1	54 268 925	
		1	Needle Bearing HK 1210	
PARIS-RHONE				
4 4645 1		1	105 464	D9R
		1	105 465	
		1	105 715	
4 4647 1		1	20/24x5 IM	D7R8/9/12
		1	7/10x6.1 DS	
		2	185 951 DE / CE	
4 4648 1		1	20/24x5 IM	D7R5
		1	7/10x6.1 DS	
		1	185 936 DE	
		1	185 951 CE	
4 4649 1		1	185 951 DE	D7R1-4,11,15
		1	97.726 CE	
		1	20/24x5 IM	
		1	7/10x6.1 DS	
4 4650 1		1	12/15x10 DE	D6RA 4 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x8 CE	
		1	6.1/9.1x 7 DS	
4 4651 1		1	12/15x10 DE	DR6RA 3 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x 8 CE	



BUCHSENSÄTZE BUSHING-KITS

PARIS-RHONE / VALEO

IKA-No.	Orginal-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Ref.	
4 4652 1	182 157	2	55330	D13E 72,73,TE,74,TE,78,TE,79,TE, 80, 81 T,82 T,83,88,98 TE, 100 TE,101 TE, 104 TE, 105, 108 TE, 111, 116
		1	71437	
4 4653 1	182 140	1	30828	D11E163,164,169,172,173,176,177,178, 187,188,192,272
		1	50488	
		1	51914	
		1	96485	
4 4654 1	182 158	1	55330	D13E76,77,86 TE,87 TE,90 TE,93 TE,94 TE, 96 TE,107 TE,109 TE,110 TE,117 TE,118 TE
		1	71381	
		1	74330	
4 4655 1	182 164	1	46388	D15E29,TE,30,TE
		1	46389	
		1	46390	
4 4656 1	182 142	1	30828	D11E184,189,191,195,197,198
		1	51914	
		1	95654	
4 4657 1	182 139	1	30828	D11E142,143,153,T,154,155,156,158,159,160, 165,167 T,170,180,202
		1	47852	
		1	95654	
		1	96485	
4 4658 1	182 136	1	30828	D11E58,69,75,78,84,92,T,108,118,119,T,120, 131,137,139,T,141,144,146,148,161,193
		1	47852	
		1	48499	
		1	50488	
4 4659 1	182 096	1	51914	D10E85,87,88,89,90,92,921
		1	97726	
		1	104164	
4 4660 1	182 074	2	51914	D8E103,153,155,157,157,163
		1	78039	
		1	97726	
4 4661 1	182 062	2	51914	D8E71,75,84,108,109,118,125,126, D9E16,21,22, D10E47,48,54,57,63,64,65,66,68,75,73,74,76,79,80,84,86
		1	74952	
4 4662 1	182 061	2	51914	D8E55,T,56,60,74,81-83,85-88,95-99,104-107,110-117,119-124, 129-134,136,137,139-142,144,147,148,151,152,154 D9E7,9,11,12,14,15,18,19,20,26,27,28,34,35,37,41 D10E59,69,75,81,83



BUCHSENSÄTZE BUSHING-KITS

PARIS-RHONE / VALEO

IKA-No.	Original-Ref.	Inhalt / Composition		Unit-No.
		Qty.	OE-Ref.	
4 4663 1	182 050	1	105464	D9R
		1	105715	
4 4664 1	182137	1	30828	D11E89,T,TE,90T,98,T,TE,130
		1	55330	
		1	55331	
4 4674 1	182 063	2	97726	D9E31,32,36,38-40,43-46,48-57,61-100,771,772



BUCHSENSÄTZE BUSHING-KITS

JAPANESE MANUFACTURERS DENSO, HITACHI

IKA-No.	FCC-Ref.	Inhalt / Composition		Application	
		Qty.	OE-Ref.		
DENSO					
4 4575 1	FBN-34	1	949103-2020	Honda	31209-590-004
	FBN-33	1	949103-3160		31210-PA0-006
				Subaru	49242-7002
4 4576 1	FBN-39	1	94103-3850	Daihatsu	28271-87501-000
	FBN-38	1	94103-3840		28271-87502-000
				Suzuki	31152-51A10
					31172-51A10
				Toyota	90099-10158
					90099-10157
4 4577 1	FBN-14	1	028403-0081/82	Daihatsu	28111-87501-000
	FBN-17	1	949103-0390		28131-20010-000
				Mazda	0290-24-841
					0114-18-557
				Subaru	39222-3902
					89242-4102
				Suzuki	31152-63210
					31172-55010
				Toyota	28111-51011
					28131-20010
					90099-10028
4 4579 1	FBN-14	1	028403-0082	Daihatsu	28131-87701-000
			028403-51011		28131-87701-000
	FBN-33	1	949103-3160	Isuzu	9-82114101-0
				Mazda	0290-24-841A
				Subaru	39222-3902
					49242-7002
				Suzuki	31152-63210
					31172-78310
				Toyota	28111-51011
				90099-10134	
HITACHI					
4 4573 1	FBH-32	2	2114-5352	Nissan	23338-N3300
					23338-42L60
				Subaru	49242-1001
4 4574 1	FBH-31	1	2114-4661	Nissan	23319-N3300
			2114-5661		23338-N3300
	FBH-32	1	2114-5352		



BUCHSENSÄTZE BUSHING-KITS

JAPANESE MANUFACTURERS HITACHI, MITSUBISHI

IKA-No.	FCC-Ref.	Inhalt / Composition		Application	
		Qty.	OE-Ref.		
HITACHI					
4 4578 1	FBH-6	1	2120-2601	Isuzu	9-8211-1376-0
	FBH-7	1	2120-4401		9-8211-2134-0
	FBH-8	1	2120-4302		9-8211-1585-0
				Nissan	23319-37502
					23441-37501
					23338-37502
4 4584 1	FBH-32	1	2114-5352	Opel Corsa D Astra D	S114-850
		1	2114-44101		
		1	2114-1353		
MITSUBISHI					
4 4570 1	FBM-39	1	M409C12970	Mitsubishi	MD607892
	FBM-45	1	M409C32401		MD618334
			M409X32571	Nissan	23319-M8011
					23338-01N10
4 4571 1	FBM-36	1	M409C12670	Nissan	23319-M8010
	FBM-38	1	M409C32370		23338-M8011
4 4572 1	FBM-36	1	M410D12670	Mazda	N221-24-715
	FBM-18		M409C12670		0222-24-741
		1	M410D30171	Mitsubishi	MD607741
				Nissan	MD602213
					23319-M8010
					23338-P0610
4 4581 1	FBM-39	1	M409C12970	Mazda	E356-18-X01
	FBM-38	1	M409C32370		E356-18-X81
				Mitsubishi	MD607892
					MD607903
				Nissan	23319-M8011
					23338-M8011
4 4587 1	FBM-16	1	M410D11271	Mazda	0426-24-715A
	FBM-18	1	M410D30171/M409D32201		0222-24-741
			M648C32201/M409C32201	Nissan	23319-M0110
					23338-P0610

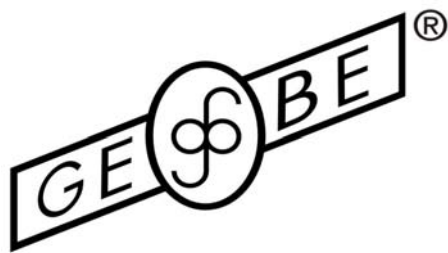
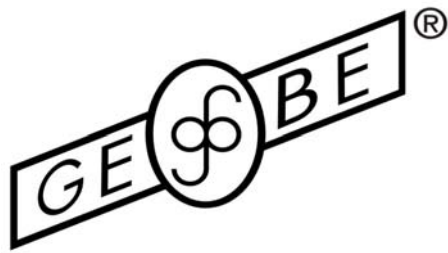
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NADELLAGER

NEEDLE BEARINGS

ROULEMENTS A AIGUILLES







SPEZIAL NADELLAGER

SPECIAL NEEDLE BEARINGS

Type	IKA-No.	Abmessungen Dimensions mm
BOSCH		
1 000 917 001	8 2256 0	6 / 10 x 8
1 000 917 002	8 2258 0	6 / 10 x 9
1 000 917 003	8 4096 0	10 / 14 x 10
1 000 917 004	8 4097 0	10 / 14 x 14
1 000 917 005	8 4095 0	12 / 16 x 14
1 000 917 006	8 8675 0	9 / 13 x 10
1 000 917 007	8 4094 0	31 / 37 x 16
1 000 917 008	 8 4209 0	5 / 8.52 x 6.86
1 000 917 009	8 4090 0	28 / 35.2 x 14.62
1 000 917 010	 8 4090 0	28 / 35.2 x 14.62
2 000 910 002	8 8983 0	18 / 24 x 16
2 000 910 004	8 8275 0	19.05 / 25.4 x 15.88
2 000 910 005	8 8693 0	33 / 48 x 15
2 000 910 009	8 8983 0	18 / 24 x 16
2 000 910 011	8 8664 0	16 / 20.7 x 19
2 000 910 012	8 8665 0	22 / 28 x 16
2 000 910 013	8 4092 0	15.87 / 23.8 x 21.9
2 000 910 015	8 8663 0	16 / 23.85 x 18.95
3 130 910 003	8 2260 0	5 / 9 x 9
6 033 AC0 105	8 4099 0	12 / 18 x 16
9 001 140 384	8 4079 0	12 / 16 x 10
9 003 330 901	8 4091 0	10 / 17 x 12
9 003 330 902	8 8118 0	18 / 24 x 12
9 003 330 903	8 4099 0	12 / 18 x 16
DELCO		
3472455	8 8684 0	11.5 / 17.5 x 16.5
9436831	8 8200 0	17 / 23.8 x 17.4(closed)
9437171	8 4207 0	17 / 23.8 x 31.8(closed)
9440923	8 4079 0	12 / 16 x 10
9441510	8 8674 0	8 / 12 x 8
PMGR gear shaft	8 8673 0	8 / 12 x 10
DENSO		
949105-0110	8 83150	12.5 / 17 x 17
FIAT / MARELLI		
832 222 70	8 4079 0	12 / 16 x 10
E95R	8 4096 0	10 / 14 x 10
E95R DE	8 4098 0	12 / 18 x 14

Type	IKA-No.	Abmessungen Dimensions mm
FORD		
BA 116 Z	8 8681 0	17.46 / 22.23 x 9.5
C6VY-11135A	8 4079 0	12 / 16 x 10
D2OZ-10A304A	8 8200 0	17 / 23.8 x 17.4 (closed)
F7RU-11448-EA	8 8981 0	12 / 18 x 12
F8RU-11448-AA	8 2256 0	6 / 10 x 8
SCE 98	8 4208 0	14.29 / 19.05 x 12.7
SCE 116	8 8681 0	17.46 / 22.23 x 9.5
HITACHI		
2130-1451	8 8671 0	22 / 28 x 12
2250-1451	8 8829 0	15 / 21 x 12
23338-V0702 (Nissan)	8 8986 0	20 / 26 x 12
LUCAS		
54160827 UMB 113	8 8200 0	17 / 23.8 x 17.4 (closed)
54207451 UMB 129	8 8277 0	17 / 23.8 x 17.4 (open)
M78 / M79 D.E.	8 4079 0	12 / 16 x 10
MITSUBISHI		
DB501005C	 8 4210 0	10 / 15 x 15.4 (closed)
M1T93171 ZC	 8 8982 0	14 / 20 x 14
M8T50071, 50171, 70071	8 8160 0	20.5 / 27 x 9.5
S933P65270	8 8305 0	12 / 17 x 12
TLA121712		
S933P70605/70669	8 8314 0	10 / 15 x 15
TLAM101515UE09		
TLA141912ZE01	8 8161 0	14 / 19 x 12
VALEO		
105 465	8 8118 0	18 / 24 x 12
185 467	8 8668 0	10 / 14 x 12
185 468	8 2260 0	5 / 9 x 9
185 936	8 4079 0	12 / 16 x 10
185 951	8 4096 0	10 / 14 x 10
186 448	8 8669 0	10 / 14 x 14
186 663	8 2269 0	4 / 8 x 8
188 068	8 8678 0	29.5 / 36.5 x 13.5
190 053	8 8674 0	8 / 12 x 8
553 768	8 4079 0	12 / 16 x 10
556 255	8 2260 0	5 / 9 x 9
571 234	8 2256 0	6 / 10 x 8
571 321	8 4099 0	12 / 18 x 16
517 396	8 2258 0	6 / 10 x 9
D7E S5	 8 8677 0	26.1 / 33 x 13.7



STANDARD NADELLAGER

STANDARD NEEDLE BEARINGS

Type	IKA-No.	Abmessungen Dimensions mm
BK F-219005	8 4097 0	10 / 14 x 14
HK 0408	8 2269 0	4 / 8 x 8
HK 0509	8 2260 0	5 / 9 x 9
HK 0608	8 2256 0	6 / 10 x 8
HK 0609	8 2258 0	6 / 10 x 9
HK 0808	8 8674 0	8 / 12 x 8
HK 0810	8 8673 0	8 / 12 x 10
HK 0910	8 8675 0	9 / 13 x 10
HK 1010	8 4096 0	10 / 14 x 10
HK 1012 RS	8 8668 0	10 / 14 x 12
HK 1014 RS	8 8669 0	10 / 14 x 14
HK 1210	8 4079 0	12 / 16 x 10
HK 1212	8 8981 0	12 / 18 x 12
HK 1214 RS	8 4098 0	12 / 18 x 14
HK 1214 2RS FPM	8 4095 0	12 / 16 x 14
HK 1216 2RS	8 4099 0	12 / 18 x 16
HK 1412	8 8672 0	14 / 20 x 12
HK 1414 2RS 	8 8982 0	14 / 20 x 14
HK 1419	8 8161 0	14 / 19 x 12
HK 1512	8 8829 0	15 / 21 x 12
HK 1812	8 8118 0	18 / 24 x 12
HK 1816	8 8983 0	18 / 24 x 16
HK 2012 B	8 8986 0	20 / 26 x 12
HK 2212	8 8671 0	22 / 28 x 12
HK 2216 2RS	8 8665 0	22 / 28 x 16
HK 2220	8 8987 0	22 / 28 x 20
HK 3016	8 8988 0	30 / 37 x 16
NK 10/12 TN	8 4091 0	10 / 17 x 12
NK 10/17 TN	8 4091 0	10 / 17 x 12

Type	IKA-No.	Abmessungen Dimensions mm
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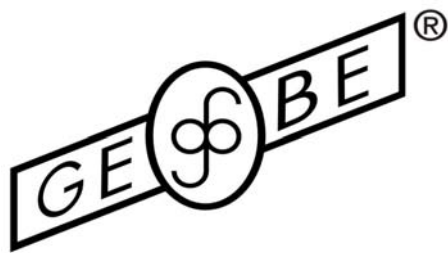
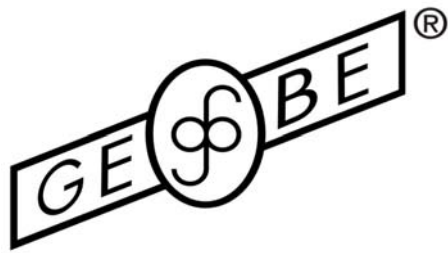
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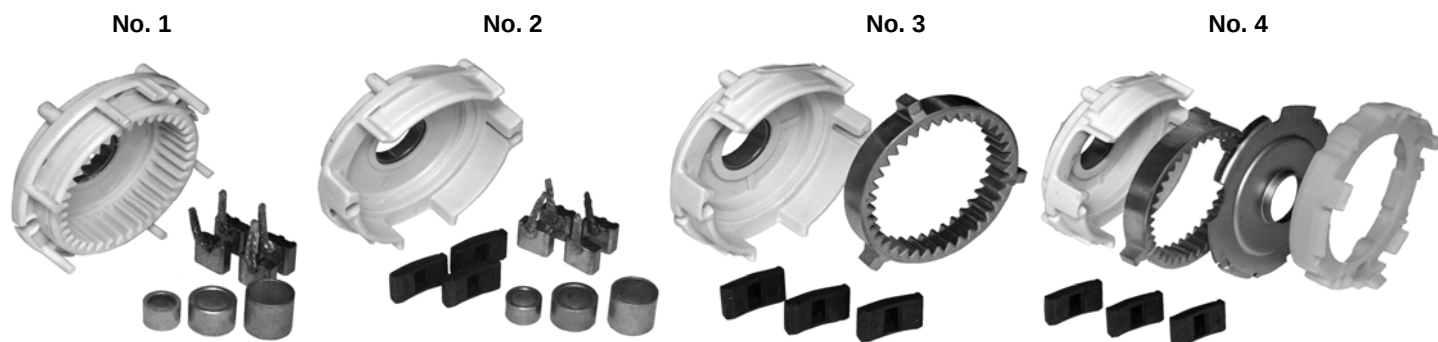
REPARATURKITS

REPAIRKITS

KITS DE REPARATION







REPARATUR-SÄTZE REPAIR KITS			BOSCH - GETRIEBESTARTER BOSCH - GEAR STARTERS		
IKA-No.	Unit-No.	No.	IKA-No.	Unit-No.	No.
	0 001 107 ...			0 001 108 ...	
9 1823 1	003,004,009,015,022,023,025,026	1	9 1830 1	001,002,004,011,012,016,017,019,020,022-025,030,031,033,035,037,039,040,043,044,047,050-053,056,059,060,071,075-077,081,082,084,091-093,096,098,100,106,107,109-111,116-119,126,129,146,151,152,154,158	1
9 1824 1	007,008,020,021,052,053	1	9 1831 1	009,010,026-029,048,061,062,072-073,108,113,114,126,131,136,137,144,159	1
9 1825 1	012,013,024,034,060	1	9 1832 1	005,013,032,045,046,066,070,094,095,105,127,135	1
9 1826 1	005,006,033	1	9 1833 1	068,069,103,104,123,134,148,150,153,996-999	1
9 1827 1	017,018,045	2	9 1834 1	003,074,112	2
9 1828 1	030	1	9 1860 1	018,021,042,054,057,063,064,079,083,087,088,121	2
9 1829 1	044	2	9 1866 1	065,078,080,089,090,101	2
9 1867 1	014,016	2	9 1870 1	085,086,099,122,143	1
9 1868 1	027,028,041	2	9 1885 1	115,145,157,169	1
9 1869 1	019,043,063	1	9 1886 1	125,128,130,138-141,155,156	1
9 1888 1	038,039	1	4 2263 1	Bosch-No. 1 005 821 352 003,018,021,042,054,057,063-065,074,078-080,083,087-090,101,112,121,125,128,139,140,141,147,150,155,156,160,170,177	3
4 2263 1	Bosch-No. 1 005 821 352 014,016,027-029,041	3	4 2273 1	003,018,021,042,054,057,063-065,074,078-080,083,087-090,101,112,121,160,170,177	4
4 2264 1	017,018,037,044,045,048	3			
4 2273 1	014,016,027,028,029,041	4			
4 2274 1	017,018,037,044,045,048	4			
				0 001 109 ...	
			9 1883 1	001-003,006,007	1
			9 1884 1	009,012	1



REPARATUR-SÄTZE REPAIR KITS			BOSCH - GETRIEBESTARTER BOSCH - GEAR STARTERS		
IKA-No.	Unit-No.	No.	IKA-No.	Unit-No.	No.
	0 001 110 ...			0 001 115	
9 1835 1	001,002,014,015,057,058,076,077,098,099	1	4 2263 1	035	3
9 1836 1	003-005,007,008,011-013,018,024,025,027,031-033,048,049,056,060-062,068-070,082,084-087,089,092,102,111,119,124,125	1		0 001 121 ... / 123 ... / 124 ... / 125 ... / 133 ...	
9 1837 1	009,010,019,022,023,042,045,046,055,090,115,120	1	9 1878 1	0 001 121 001-003,006-011	2
9 1838 1	043,044,051,064-067,088,110,112,113,118	1	9 1899 1	123 001 124 001-007,011-015 125 001-003,005-013,501-504	2
9 1839 1	039	2	4 2238 1	Bosch-No. 1 007 010 079 + 1 000 500 078/084	8
9 1859 1	052,108	1		0 001 121 001-004 123 001 124 001-015 125 001-013,501-504 133 003,004	
9 1861 1	017,026,047,049,063,071-073,079-081,089,091,095,114,999	2	4 2261 1	121 ...,123 ... 124 ...,125 ...	3
9 1862 1	028,041	2	4 2275 1	121 ...,123 ... 124 ...,125 ...	4
9 1863 1	030,040,104,105	2		0 001 218 ... 9 000 331 ...	
4 2262 1	017,026,028,030,039-041,047,049,063,068,071-073,079-081,089,091,095,104,105,114,122,123,999	3	9 1872 1	0 001 218 001-028 9 000 331 401-413,417,418,421	6
4 2272 1	017,026,028,030,039-041,047,049,063,068,071-073,079-081,089,091,095,104,105,114,122,123,999	4	9 1875 1	0 001 218 100-176 9 000 331 414,415,419,419,420,422-428	7
	0 001 111...			0 001 219 ... 9 000 332 ...	
4 2263 1	002	3	9 1876 1	0 001 219 001-014 9 000 332 401,402	7
	0 001 112 .../ 113 .../ 114 ..				
9 1857 1	0 001 112 005,006,013,014,032 114 003,004,015,016	5			
9 1887 1	0 001 112 003,004,038,039 113 011,012 114 005,006	5			
9 1889 1	112 008-012,015,016,020,022-024,034,036 113 001-005,007,013,014 114 008-010,014,017,020-022	5			



9 1806 1
9 1807 1



9 1805 1, 9 1808 1
9 1809 1, 9 1810 1



9 1803 1



9 1815 1



9 1804 1



9 1811 1

REPARATUR-SÄTZE

EF / GF / JD

BOSCH - STARTER

REPAIR KITS

JF / KB

BOSCH - STARTERS

IKA-No.	Unit-No.	Bosch-Ref.		IKA-No.	Unit-No.	Bosch-Ref.	
EF-Starter				JF-Starter			
9 1802 1	0 001 208 ... 12 Volt BSX 75	1 x 1 000 301 001 1 x 1 000 301 021 1 x 1 007 014 126		9 1810 1	0 001 368 ... 24 Volt BSX 135-145	1 x 2 007 014 063 1 x 2 000 301 000 1 x 2 000 301 041 1 x 2 000 301 043 1 x 2 007 010 007	
9 1803 1	0 001 312-317 ... 12 Volt BSX 140	1 x 1 000 301 001 1 x 1 007 014 138 1 x 2 000 301 036	GF-Starter	KB-Starter 24 V			
9 1801 1	0 001 354 ... 12 Volt BSX 12	1 x 1 007 014 100 1 x 2 000 301 000 1 x 2 000 301 009 1 x 2 007 010 007	JD-Starter	9 1804 1	0 001 410 ... 411 414 ... - 417 BSX 148	1 x 2 007 014 070 1 x 2 000 301 015 1 x 2 000 301 016 1 x 2 000 105 040 2 x 2 000 109 008 1 x 2 000 210 014 1 x 2 000 212 000 1 x 2 004 650 030 2 x 2 000 500 084 1 x 2 003 315 002 4 x 2 003 450 015	
9 1807 1	0 001 359 ... 12 Volt BSX 96	1 x 2 007 014 052 / 056 1 x 1 900 301 420 1 x 2 000 301 000 1 x 2 000 301 041 1 x 2 007 010 007		9 1811 1	Bosch-No. 1 987 010 000 0 001 410 ... 411 414 ... - 417	1 x 2 000 910 005 1 x 2 000 301 015 1 x 2 000 301 016 1 x 2 000 105 040 2 x 2 000 109 008 1 x 2 000 210 014 1 x 2 000 212 000 1 x 2 004 650 030 2 x 2 000 500 084 1 x 2 003 315 002 4 x 2 003 450 015	
9 1806 1	0 001 360 ... 24 Volt BSX 100	1 x 2 007 014 049 1 x 1 900 301 420 1 x 2 000 301 000 1 x 2 000 301 041 1 x 2 007 010 007		JF-Starter			
9 1800 1	0 001 362 ... 12 Volt BSX 102	2 x 1 000 301 000 1 x 2 000 301 026 1 x 2 007 014 053 1 x 2 007 010 007		9 1812 1	0 001 410 ... 411 414 ... - 417	= Kit 9 1811 1 + 2 007 014 070 (BSX 148)	
9 1805 1	0 001 369 ... 12 Volt BSX 163-164	1 x 2 007 014 073 1 x 2 000 301 000 1 x 2 000 301 041 1 x 2 000 301 043 1 x 2 007 010 007		9 1814 1	0 001 416 ... 417 ...	= Kit 9 1811 1 + 2 007 014 079 (BSX 172-173)	
9 1808 1	0 001 362 ... 0 001 366 ... 12 Volt BSX 137-143	1 x 2 007 014 065 / 068 1 x 2 000 301 000 1 x 2 000 301 041 1 x 2 000 301 043 1 x 2 007 010 007		9 1815 1	0 001 416 ... 417 ... BSX 172-173	same composition as 9 1804 1 but brush set 2 007 014 079 (BSX 172-173)	
9 1809 1	0 001 367 ... 12 Volt BSX 134-144	1 x 2 007 014 062 1 x 2 000 301 000 1 x 2 000 301 041 1 x 2 000 301 043 1 x 2 007 010 007					



9 1813 1



9 1879 1



9 1880 1

REPARATUR-SÄTZE KB

REPAIR KITS KB

BOSCH - STARTER

BOSCH - STARTERS

IKA-No.	Unit-No.	Bosch-Ref.
9 1813 1	0 001 410 ..., 411... 414 ..., 417...	= Kit 9 1812 1 + 0 331 101 006 Relais + 0 331 450 001 Relais + 2 006 401 527 Clutch
	BSX 148	

9 1879 1	0 001 416 ..., 417...	= Kit 9 1814 1 + 0 331 101 006 Relais + 0 331 450 001 Relais + 2 006 401 527 Clutch
	BSX 172-173	

9 1880 1	0 001 410 ..., 411...	1 x 2 000 301 015 1 x 2 000 301 016 1 x 2 000 105 040 2 x 2 000 109 008 1 x 2 000 210 014 1 x 2 000 212 000 1 x 2 004 650 030 2 x 2 000 500 084 1 x 2 003 315 002 4 x 2 003 450 015
	SP-Kit 4 3396 0 + Bushes	



9 1376 1



9 1379 1



9 1892 1



9 1903 1

REPARATUR-SÄTZE

REPAIR KITS

DUCELLIER

DUCELLIER

FIAT / MARELLI - STARTER

FIAT / MARELLI - STARTERS

DUCELLIER

IKA-No. Unit-No.

9 1376 1	6083A-D,-99A-D,6109A-L,	2 x US 50
	-60A-G,-69AB,-77ACD,-92A-L,	2 x US 51
	-93AB,6207A-C,-29AB,-30AB,	4 x Springs UF 5051 (R4)
	-32A,-33A	3 x Bushings
	538 000ABC,-2A,-3A	
	538 005AB,-6A	

9 1377 1	6035EF,-81DEF,6155C-L,-76A-H,	1 x US 73/0
	-83A-G,-85ABC,-87B-F,-89A-F,	1 x US 85
	-90AB,6202AB,-12AB,-15A-D,	2 x Springs UF 7385 (R5)
	-16ABC,-17A-E,-19A-C,-20A-C,	2 x Bushings
	-23A,-24B-D,-26A,-27A-D,	
	-31A-C,-36BC,-37A-D,-38A-D,	
	-42A,-44A,-45A,-47AB	
	532 000AB,-1AB,-2ABC,-3AB,	
	-4ABC,-5A,-7A,-8ABC,-9AB,	
	-10AB,-11A,-14A,-17A,-18A,	
	-20AB,	
	533 000A,-1-4A,	

9 1379 1	6202C-F,-17FGH,-46ABC	1 x US 91
	532 012AB,-16AB,-21A,-23A,	1 x US 92
	-26A	2 x Springs UF 9192 (R10)
	534 002A,-3ABC,-4A,-5ABC,-7A,	2 x Bushings
	-9ABC,-23A,-29A,-31A,-32A,	
	-39A,-42AB,-43AB,-44A,-45A,	
	-46AB,-47A,-48A,-49A,-50AB,	
	-51A,-52A,-53C,-54D,-55E,-57A	

FIAT / MARELLI

IKA-No. Unit-No.

9 1893 1	63201005	2 x JS 5
	63220409,-39	2 x Bushings
	63220506-08,-36-38,	
	E76	

9 1894 1	63222408,-38	4 x JS 13
		2 x Bushings
	E100	

9 1895 1	63220701,-21,-31,-41	2 x JS 16
	63220901,-31	2 x Bushings
	E84	

9 1896 1	63216827,-33,-59,-76,-98	2 x MAS 15
		2 x MAS 16
		2 x Bushings
	MT68	

9 1898 1	63217118,-21,-25,-38,-47,-73,	2 x MAS 17
		2 x MAS 18
		2 x Bushings
	MT71	

9 1897 1	63217225	2 x MAS 19
		2 x MAS 20
		2 x Bushings
	MT72	

9 1892 1	63216731,-41,	2 x MAS 21
		2 x MAS 22
		2 x Bushings
	MT67	

9 1891 1	63217126,-48,-54,-56,-58,-80,	2 x MAS 25
	-86	2 x MAS 26
	63217407,	2 x Bushings
	MT74	

9 1902 1	63221830,-32,-34,-90,-92	1 x JS 29
		1 x JS 30
		2 x Bushings
	E95	

9 1903 1	63221430,-33-36,-38	3 x JS 22 / 26
	21530,-32,-33,-36,38	1 x JS 25 / 27
	21630,-32,-35,-36,-39	2 x Bushings
	21731	
	E95	



9 1372 1



9 1371 1

REPARATUR-SÄTZE

REPAIR KITS

PARIS-RHONE - STARTER

PARIS-RHONE - STARTERS

IKA-No. Unit-No.

D8 ..

9 1374 1 D8E-22,-31,-41,-50,-57,-58,
-60,-64,-66,-70,-71,-75,-76,
-81-84,-86-88,-94-98,-102,
-104,-106,-108,-109,-112,
-113-115,-117-126,-129,
-132-134,-136,-137,-139,
-140,-142,-144,-147,-151,
-152,-158
D8L25,
D9E7,-9,-11-22,-26,-27,-28,
-34,-35,-37,-41
D10E48-50,-53,-54,-57,-63,
-64,-65,-76,-80,-84,

9 1367 1 D8E42,-69,85
D8L11,-19,-20,-39

9 1375 1 D8E74,-99,-107,-111,-116,
-130,-131,-141,-148,-154,
D8L67,-80,-92,-93

D9E ..

9 1370 1 D9E31,-40,-43-46,-49-55,
-62,-74,-75,-77,-79,-85,
-87,-95,-100,-102,-104,
-111,-772-774

9 1372 1 D9E36,-38,-39,-48,-56,
-57,-61,-64,-66,-68,-69,
-70,-76,-78,-81,-82,-83,
-92,-93,-94,-101,-107,-108,
-109,-110,-113,-114,-123,
-124,-125,-127,-129

D10B ..

9 1730 1 D10B39-41,-44,-45

IKA-No. Unit-No.

D10E ..

9 1385 1 D10E85,-87-90,-92,-921,
-922,

9 1368 1 D11E75,-78,-84,-123,-140,
-144,-163,-164,-170,-180

9 1369 1 D11E92,-T,-104,-117,-118,
-119,-T,-120,-121,-127,
-129,-T,-131,-137,-141,
-146,-153-155,-158,-160

9 1371 1 D11E135,-148,-156,-161,
-172,-177,-184,-187,-188,
-191,-192,-195,

9 1373 1 D11E81,-T,-88,-89,-T,-TE,
-90,-T,-98,-T,-TE,-103,
-122,-T,-128,-T,-130,
D13E73,-TE,-74,-TE,-81,-T,
-82T,-83,-88,-95,-100TE,
-101TE,-104TE,-105,-108TE,
-111,-116,
VALEO 182 145 (sans bagues / w/o. bushings)

9 1378 1 D11E169,-173,-176,-178,

VALEO 182 117 (sans bagues / w/o. bushings)

9 1901 1 D11E79,-D,-109,-110,-142,
-143,-159,-165

9 1792 1 D15E14-16,-19-28,
-29,-T,-TE,-30,-TE

D15E ..



9 1791 1



9 1732 1

REPARATUR-SÄTZE

REPAIR KITS

VALEO - STARTER

VALEO - STARTERS

IKA-No. Unit-No.

D7R ..

9 1791 1 D7R universal
2 x PS 142
2 x PS 144
1 x Lever D7R
4 x Springs D7R
4 x Spring Caps D7R
3 x Bushings
3 x Needle Bearings

9 1795 1 D7R 8, 9, 12
2 x PS 142
2 x PS 143
1 x Lever D7R
4 x Springs D7R
4 x Spring Caps D7R
2 x Needle Bearings
2 x Bushings

9 1796 1 D7R 5
2 x PS 142
2 x PS 144
1 x Lever D7R
4 x Springs D7R
4 x Spring Caps D7R
2 x Needle Bearings
2 x Bushings

9 1797 1 D7R 1-4, 11, 15
2 x PS 142
2 x PS 144
1 x Lever D7R
4 x Springs D7R
4 x Spring Caps D7R
1 x Needle Bearing
3 x Bushings

IKA-No. Unit-No.

D9R...

9 1731 1 D9R73,-84,-89-91,-96,-97,
-99,-105,-106,-112,-116,
-118,-121
1 x PS 138
1 x PS 139
2 x Springs PF 3841 (R14)
2 x Bushings
1 x Needle Bearing

9 1732 1 D9R
2 x PS 138 / 140
2 x PS 139 / 141
2 x Springs PF 3841 (R14)
2 x Bushings
1 x Needle Bearing

9 1793 1 D9R BH/G
2 x PS 138 / 140
2 x PS 139 / 141
1 x Brushholder D9R
1 x Lever D9R

9 1794 1 D9R SP
2 x PS 138 / 140
2 x PS 139 / 141
4 x Springs PF 3841 (R14)
1 x Sundry Parts D9R 4 2239 0
2 x Bushings
1 x Needle Bearing



9 1820 1, 9 1821 1



9 1798 1, 9 1799 1

REPARATUR-SÄTZE

REPAIR KITS

VALEO - STARTER

VALEO - STARTERS

IKA-No. Unit-No.

D6RA ..

9 1820 1	D6RA (3)	1 x PS 148 1 x PS 149 1 x Spring PF 4849 (R16) 3 x Bushings 2 x Insulations

9 1778 1	D6RA	= 9 1820 1 w/o. Bushings

9 1821 1	D6RA 8/10	1 x PS 146 1 x PS 147 1 x Spring PF 4647 (R17) 3 x Bushings 2 x Insulations
9 1777 1	D6RA 8/10	= 9 1821 1 w/o. Bushings

9 1818 1	D6RA 8/10 BH	1 x PS 146 1 x PS 147 1 x Brushholder D6RA 8/10 1 x Spring PF 4647 (R17) 3 x Bushings 2 x Insulations

9 1822 1	D6RA (3) BH	1 x PS 148 1 x PS 149 1 x Spring PF 4849 (R16) 1 x Brushholder D6RA 3 x Bushings 2 x Insulations

IKA-No. Unit-No.

D6RA ..

9 1798 1	D6RA	1 x PS 148 1 x PS 149 1 x Spring PF 4849 (R16) 1 x Brushholder D6RA 4 x Bushings 1 x Sundry Parts D6RA 4 2237 0 2 x Insulations

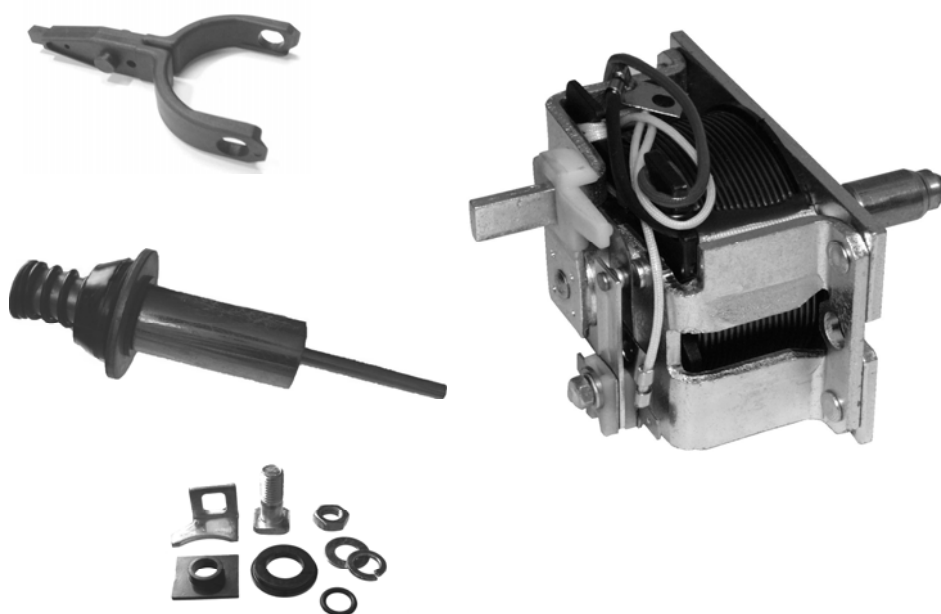
9 1799 1	D6RA 8/10	1 x PS 146 1 x PS 147 1 x Spring PF 4647 (R17) 1 x Brushholder D6RA 8/10 4 x Bushings 1 x Sundry Parts D6RA 4 2237 0 2 x Insulations

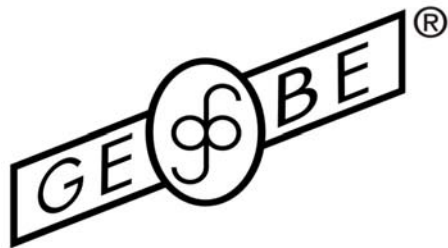
8

VERSCHIEDENE ERSATZTEILE

VARIOUS SPARE PARTS

DIVERSES PIECES DE RECHANGE







4 3393 0



4 3394 0, 4 3397 0



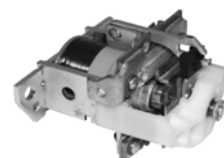
4 3490 0, 4 3491 0



4 6027 1



4 6035 1,
4 3470 0



4 6054 1

COMPONENTS BOSCH-STARTERS

IKA-No.	Unit-No.	Bosch-Ref.	
IE-Starter			
4 3393 0	0 001 370 003,004 371 004-010,012-020	2 007 011 071 Terminal Kit IE 5.0/6.7 kW	

KB-Starter			
4 3394 0	0 001 416 002,038,040, 043,062 417 001,007,036	Terminal Kit 12 mm	

4 3397 0	0 001 410 088 411 012,017 416 004,007,008,027 417 010,038,041	2 004 632 026 Terminal Kit 10 mm	

4 3490 0	0 001 410 ...	Contact Set for Relais 0 331 450 001	

4 3491 0	0 001 410 ...	Contact Set for Relais 0 331 101 006	

IKA-No.	Unit-No.	Bosch-Ref.	
KB-Starter			
4 3470 0	0 001 410 ...,411 ..., 414 ...,415 ..., 416 ...,417 ... 9 000 084 ...	0 331 450 002 Bosch Relais KB Starter	
	-----		
4 3471 0	0 001 410 ...,411 ..., 414 ...,415 ..., 416 ...,417 ... 9 000 084 ...	0 331 101 005 Bosch Relais KB Starter	
	-----		
4 6027 1	0 001 410 ...,411 ..., 413 ...,414 ..., 415 ...,416 ..., 417 ...,418 ...	2 006 401 527 Bosch Clutch KB Starter	

4 6035 1	0 001 410 ...,411 ..., 414 ...,415 ..., 416 ...,417 ... 9 000 084 ...	0 331 450 001 Bosch Relais KB Starter	

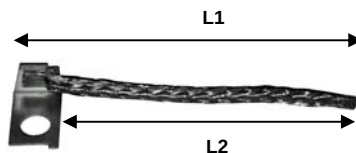
4 6054 1	0 001 410 ...,411 ..., 414 ...,415 ..., 416 ...,417 ... 9 000 084 ...	0 331 101 006 Bosch Relais KB Starter	



4 7149 0



4 7161 0



4 7154 0,
4 7156 0



4 7155 0



7 7060 1, 7 7063 1



7 7070 1

COMPONENTS			FIELD COIL CONNECTORS		
LEVERS					
IKA-No.	OE-Ref.	Unit-No.	IKA-No.	Section	Flex Length mm L1L2
BOSCH			BOSCH		
4 7148 0	2 001 933 149	0 001 359...,360...	7 7050 1	10 mm ²	9277
	2 001 933 175	362...,363...	-----		
		364...,365...	7 7051 1	10 mm ²	10590
		367...,368...,369...	-----		
		9 000 143...			

4 7149 0	1 001 933 106,111	0 001 106 ...	7 7052 1	8 mm ²	10590
		107 ...	-----		
	Gear Starters	108 ...	7 7053 1	6 mm ²	10590
		109 ...	-----		
		110 ...	7 7055 1	8 mm ²	7560
		112 ...	-----		
		113 ...	7 7056 1	6 mm ²	4530
		114 ...	-----		

DELCO					
4 7161 0	DR 1901	3471141,143,144,150,152	7 7057 1	6 mm ²	6045
	Opel, Vauxhall		-----		
-----			7 7058 1	8 mm ²	5540

VALEO			7 7060 1	16 mm ² insulated with grommet 0 0001 218...	9075
4 7154 0		D7R..	-----		

4 7155 0		D9E...,D9R..	7 7061 1	16 mm ²	11095
	-----			-----	
4 7156 0		D6RA	7 7062 1	10 mm ²	7560

			7 7063 1	16 mm ² insulated with grommet	10590
				0 001 368 007,013,016,018 034,036	

			VALEO		
			7 7070 1	Field Coil Grommet D7E	
				for Brush Holder:	
				7 7159 1 , 7 7165 1	



D E N S O

CONTACT KITS

IKA-No.	O.E.-No.	Unit-No.
4 3473 0	28017-19502 -----	1.4 kW Gear Reduction fixed with M8 stud, copper 2.5mm
4 3474 0	28017-19512 -----	2.4 kW Gear Reduction
4 3475 0	-----	1.0/ 1.2/ 1.4/ 2.0 kW
4 3476 0	-----	1.2/ 1.4/ 2.0 kW fixed with M8 stud, copper 2.5mm
4 3477 0	028099-7230, -9130 -----	1.2/ 1.4 kW
4 3478 0	028099-7210 -----	1.2/ 1.4 kW
4 3479 0	028099-7240, -7242 -----	128000-9310, -9880, -9890, 228000-0820, -0830, -0900, -1560, -2500, -3220, -3620, -4970, -5490, -5670, -5680 1.2/ 1.4 kW
4 3521 0	28017-19500 -----	1.4 kW Gear Reduction
4 3522 0	28017-19511 -----	2.4 kW Gear Reduction
4 3523 0	028099-2790, -3780 -7100 -----	028000-6870, 028100-54032 2.5 kW Toyota, Isuzu
4 3524 0	028099-3160 -----	028000-5510, -6870 2.5 kW Toyota, Isuzu
4 3525 0	028099-3020, -3390 -----	1.0/ 1.2/ 1.4/ 2.0 kW
4 3526 0	028099-6430, -6431 -6432	128000-5730, -5732 5.5 kW 24V

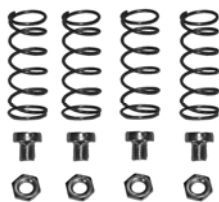
IKA-No.	O.E.-No.	Unit-No.
4 3527 0	128099-5240 -----	228000-0570, -0571, -1590, -1591, -1600, -1601, -1610, -1611, -1661 2.5/ 2.7/ 4.5 kW
4 3528 0	028099-7800 -----	228000-2120, -2690 2.0 kW
4 3529 0	028099-3000, -3040 -----	028000-5900, -5911, -5912, -6001, -6361, -6362, -7351, -7410, -7560 1.0 kW
4 3530 0	028099-7750 -----	228000-0640, -0780, -0880, -0910, -1690, -1780, -2300, -2610, -2851, -2880, -3640, -4880 1.0/ 1.2/ 1.4/ 2.0 kW
4 3531 0	028099-2680, -2820 -3030 -----	028000-7370 1.0/ 1.2/ 1.4/ 2.0 kW
4 3532 0	128099-3170 -----	2.5/ 4.5 kW
4 3533 0	028099-2690 -----	2.5/ 4.5 kW
4 3534 0	028099-6600	128000-3380, -3381, -3420



D E N S O

PLUNGERS

IKA-No.	O.E.-No.	Unit-No.
4 3480 0	053660-0401, -0402 -7100, -7250 -7260, -7710 -----	028000-7370, -7791, -9260
4 3481 0	053660-0441, -0442 -0443, -0660 -7111, -7170 -----	028000-5510, -6290, -6870
4 3482 0	053660-7120, -7121 053680-7120 -----	128000-7002, -7120, -7122, -7713, -8210, -8321, -8460, -8470, -8480
4 3483 0	053660-7240	228000-2120, -2680, -2690, -2700, -2980, -3260, -3840, -3850, -3851



SMALL PARTS			BOSCH		
IKA-No.	Description	Unit-No.	IKA-No.	Description	Unit-No.
4 0736 0	Brush Spring	0 001 106 .../107.../121... 112.../113.../114.../133...	4 0752 0	Brush Spring	0 001 364.../367.../368.../369.../372... 2 004 616 009
-----		Brush-Sets: BSX 166,BSX 175-176 Brush-Holders: 7 7125 1,7 7126 1,7 7131 1	-----		Brush-Sets: BSX 155,163-164,170-171, 198-199 Brush-Holders: 7 7137 1,7 7138 1,7 7400 1 JD 24V 5.2kW, JE 24V 6.2kW JF 12V 2.5/3.0/3.1kW JF 24V 4.8kW
4 0737 0	Brush Spring	0 001 109.../110.../123-125...	4 0779 2	Screw-Kit JF	Brush-Sets: BSX 134-144,135-145, 137-143,138-142, 163-164,170-171, 198-199 4 screws + 4 nuts M5
-----		Brush-Sets: BSX 157-158 Brush-Holders: 7 7127 1,7 7129 1,7 7132 1	-----		
4 0738 0	Brush Spring	0 001 108.../111...	4 0780 2	Spring-Kit JF new	Brush-Sets: BSX 155,163-164,170-171, 198-199 Screw-Kit JF 3 0779 2 + 4 springs 3 0752 0
-----		Brush-Sets: BSX 159-160 Brush-Holders: 7 7124 1,7 7128 1	-----		
4 0739 0	Brush Spring 2 004 616 007	0 001 367.../368.../ 9 000 143...	4 0781 2	Spring-Kit JF old	Brush-Sets: BSX 134-144,135-145, Screw-Kit JF 3 0779 2 + 4 springs 3 0739 0
-----		Brush-Sets: BSX 134-144,BSX 135-145 Brush-Holders: 7 7119 1,7 7120 1 JF 12V 3.0kW - JF 24V 4.0kW	4 3395 0	SP-Kit JD/JF	0 001 354.../359.../360.../362.../363... 2 007 010 007 364.../365.../366.../367.../368... 369...
4 0740 0	Brush Spring 1 004 611 007	0 001 208.../211... 9 000 333 ...	4 3396 0	Small Parts Kit KB	0 001 410.../411.../414.../416.../417...
-----		Brush-Sets: BSX 146,149,154,156 Brush-Holders: 7 7122 1	-----		
4 0747 0	Brush Spring 1 004 615 001	0 001 218... / 9 000 331...	4 3398 0	SP-Kit JD/JF	same application as 4 3395 0 new composition with additional parts
-----		Brush-Sets: BSX 151 Brush-Holders: 7 7130 1,7 7133 1 EV 12V 2.2kW	-----		
4 0748 0	Brush Spring 2 004 618 004	0 001 362.../363.../366... 9 000 143...	4 1003 0	Stop Collar-Kit JD/JF	0 001 359.../360.../362.../363.../367... 368...
-----		Brush-Sets: BSX 137-143,138-142,139 Brush-Holders: 7 7115 1,7 7116 1 JF 12V 1.9/2.0/2.2-2.7kW JF 24V 2.6/3.2kW	-----		
4 0749 0	Brush Spring 1 004 611 006	0 001 312 108,109 317 007-025	4 1004 0	Stop Collar-Kit 12mm	PMGR-Starters with 12mm drive shaft
-----		Brush-Sets: BSX 140, BSX 152 Brush-Holders: 7 7121 1 GB/GF 12V 1.7kW	-----		
4 0750 0	Brush Spring 12.3 x 32mm	0 001 231 001-014,023,024,026-030,033	4 1005 0	Stop Collar-Kit 11mm	PMGR-Starters with 11mm drive shaft
-----		Brush-Sets: BSX 190-191 Brush-Holder: 7 7199 1 EV(R) 24V 4.0kW HE95-M 24V (R)	4 3370 0	Clutch Washer KB	0 001 410 .../ 411 .../ 413 .../ 414 ... 2 000 105 040 415 .../ 416 .../ 417 .../ 418 ... 9 000 084 ...





SMALL PARTS

IKA-No.	Description	Unit-No.		IKA-No.	Description	Unit-No.	
DELCO				VALEO			
4 0751 0	Brush Spring RF 120 -----	all types Delco Europe		4 0760 0	Brush Spring 92533 PF8182 -----	Brush-Sets PSX 81-82,83-84,96-97,125 D11E	
MARELLI				4 0761 0	Brush Spring PF1367 -----	Brush-Set PSX 136-137 D10E 85,87-90	
4 0743 0	Brush Spring -----	E95R fits Brush-Holder 832 263 36 IKA-No. 7 7191 1		4 0774 2	Spring-Kit D7R -----	D7R all units Brush Holder 7 7157 1	
4 0745 0	Brush Spring 747 032 10 -----	E84		4 0775 2	Spring-Kit 146/47 -----	D6RA 8,10 Brush Holder 7 7150 1	
4 0746 0	Brush Spring 723 643 10 -----	MT71		4 0776 2	Spring-Kit 148/49 -----	D6RA... Brush Holder 7 7151 1	
MITSUBISHI				4 0777 2	Spring-Kit PSX 133 -----	D9E 2-Brushes version Brush Holder 7 7153 1	
4 0744 0	Brush Spring M391C02201 -----	M3T56072,56074,56076,56082,56084, 56272,56471,57371,66071,66072, 67171,90071,90271,93071,95071, 95073,95081,95082		4 0778 2	Spring-Kit PSX 129 -----	D9E 4-Brushes version Brush Holder 7 7152 1	
VALEO				4 1000 0	Stop Collar-Kit 73294 -----	D9R...	
4 0753 0	Brush Spring UF9192 -----	Brush-Set USX 91-92		4 1001 0	Stop Collar-Kit -----	D6RA...	
4 0756 0	Brush Spring UF7385 -----	Brush-Sets USX 44-21,67-68,73-85, USX 76-77-78		4 1002 0	Stop Collar-Kit 97804	D9E...	
4 0757 0	Brush Spring 92528 PF1156 -----	Brush-Sets PSX 28-73,37-71,54-69,64-70, PSX 77-78,106-107,112, PSX 115-116,119-120,126, PSX 127,128,132					
4 0758 0	Brush Spring PF3841	Brush-Sets PSX 138-139,140-141 D9R					



RITZEL - ERSATZTEILE

DRIVE PARTS

ERSATZTEILE MAGNETSCHALTER

SOLENOID SPARE PARTS

KAPPE / CAP

IKA-No.	Dimensions			
	A	B	C	D
4 3200 0	31.75	47.60	18.54	46.23
4 3201 0	32.27	54.10	19.56	52.07
4 3202 0	33.63	45.21	17.73	43.95
4 3203 0	21.34	55.88	04.46	54.10

FEDER / SPRING

IKA-No.	Dimensions		
	A	B	C
4 3250 0	12.45	3.73	8.92
4 3251 0	11.68	4.46	
4 3252 0	11.18	5.18	
4 3253 0	11.68	3.43	7.49
4 3254 0	14.48	4.46	12.29

ROLLE / ROLLER

IKA-No.		Dimensions	
		A	B
4 3300 0	CR 2003	4.57	7.87
4 3301 0	CR 39-216	5.49	9.90
4 3302 0	CR 39-236	5.99	9.90
4 3303 0	CR 39-238	6.05	8.76
4 3305 0	CR 540-238	6.05	13.72
4 3306 0	CR 81-250	6.35	9.53
4 3307 0	CR 90-236	6.00	8.00
4 3308 0	CR 90-238	6.05	8.00
4 3309 0	CR 90-276	7.01	11.94
4 3310 0	CR 354-276	7.01	9.00
4 3311 0	CR 315-240	6.10	8.00
4 3314 0	CR 355-238	6.05	9.02
4 3315 0	CR 380-250	6.35	9.65
4 3320 0		7.10	12.00

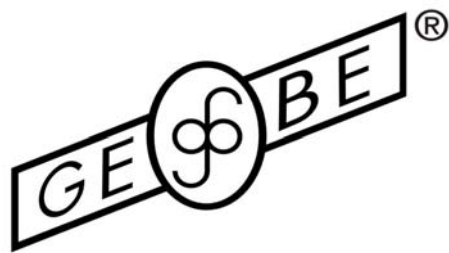
RITZELFETT / DRIVE GREASE

IKA-No.	Weight
4 3330 0 LUB 777	15.9 kos. net

IKA-No.	suitable for	Dimensions			
BOSCH	Moving Contacts				
4 3455 0	0 331 303 ...	36.0	15.0	2.0	31.6
4 3456 0	0 331 303 ...	32.0	15.0	2.0	31.6
4 3458 0	0 331 402 ...	39.5	18.0	4.0	32.1
4 3459 0	0 331 303 / 402	39.5	18.0	4.0	31.6

BOSCH	Fixed Contacts		
4 3503 0	0 331 303 ...	M8	x 26.0
4 3504 0	0 331 303 ...	M8	x 31.0
4 3507 0	0 331 402 ...	M10	x 33.0
4 3508 0	0 331 402 ...	M10	x 41.0
4 3509 0	0 331 303 ...	M8	x 36.0
4 3512 0	0 331 303 ...	M8	x 45.0

PARIS RHONE	Fixed Contacts		
4 3513 0		M8	x 29.5
4 3514 0		M8	x 38.0

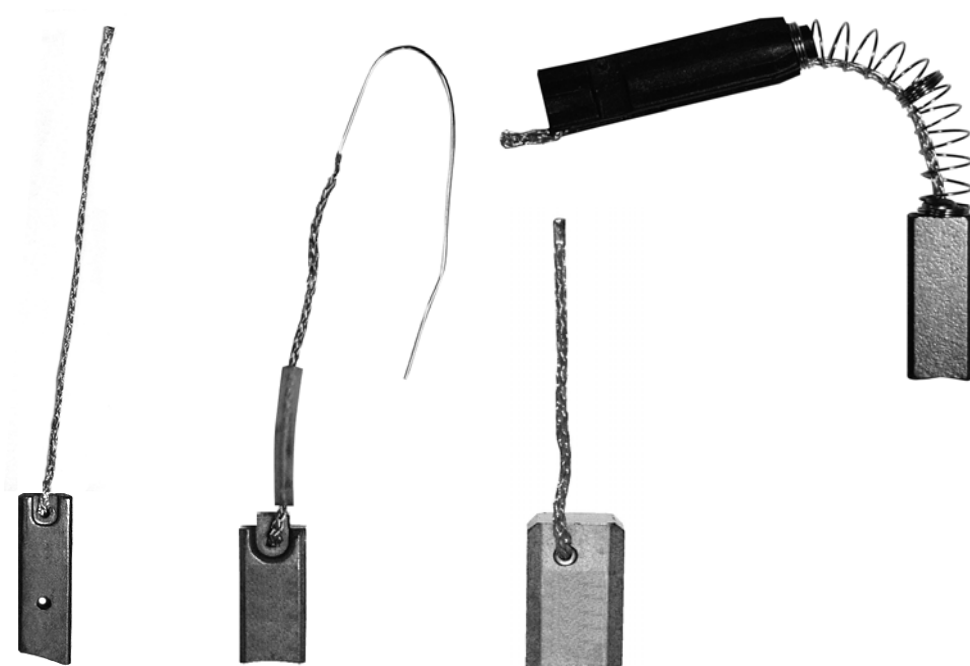


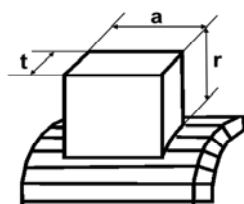
9

KOHLEBÜRSTEN

CARBON BRUSHES

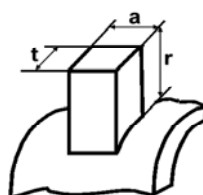
BALAI EN CHARBON





Dynamo

$$\frac{t \times a \times r}{10 \times 20 \times 20\text{mm}}$$



Alternator

$$\frac{t \times a \times r}{10 \times 5 \times 20\text{mm}}$$



**B 68****B 104, B 140****B 151****B 165****B 169****B 182**

BOSCH

BX 68 (4) P/N 0 1034 1	1 107 014 118	12/24 Volt
4-B 68	2 104 320 105, WSK 38L2Z	6 x 28 x 30,5
	0 101 206 135,157 0 101 209 031,33,37,41 0 101 500 001,5,6,15,18,21,23,27 0 101 501 001,2,9,15,21,27-29,36,39,51,55,62-67 0 101 502 001 0 101 503 009 0 136 501,12,44 GQ300/12/950,400/24,GQL600/12/24 QL(R)14/28V/38/75A/14/15 -----	
BX 104 (2) P/N 0 1035 1	1 107 014 116	12 Volt
2-B 104	2 104 320 074	6 x 22 x 25,5
	0 101 353 005,12,14,22,25,29,37 0 101 401 010,15 0 101 402 001,2,7,8,11,28,31,43,47,49,50,55-57, 060,63,64,67,71,72,76,78,79,86,90,100,106 0 101 404 013,16,19,20,23,26 GK200/12/24,300/12/24,GKM300/24 -----	
BX 140 (4) P/N 0 1043 1	2 107 014 007	24 Volt
4-B 140	2 104 320 084	6 x 22 x 25,5
	0 101 206 012 0 101 402 010,11,59-64,73,78-80,83-85, 087-92,97,99,100,905,906 0 101 404 011,13,19,23 GK300/24,K(R)28V13A -----	
BX 151 P/N 0 1044 1	1 127 014 000	12 Volt
2-B 151	1 124 320 000	10 x 5 x 18
	0 120 400 507, 10, 17, 19, 22-24, 26, 29-31, 533-37, 40 DK1/14V35A -----	
BX 165 P/N 0 1075 1	1 107 014 128,140,146	12 /24 Volt
2-B 165	1 104 320 014,044,047, 2 104 320 012	6 x 22 x 25
	0 101 203 067 302 002,06-08,13-16,21-29,35,36 039,44,47,51,56,67-76,83-86, 089,95-101,105,107,108, 111-120, 304 001-05,07,09,13-18 355 040 356 003,05,07,09,11-14,23,26 0 136 301 001 G(L/R) 14V30/38A GG,GJA 130/160/240/12	

BX 169 P/N 0 1048 1	1 107 014 109,135,144,	6/12 Volt
2-B 169	1 104 320 025,031, 037	6 x 14 x 19
	0 101 100 015 0 101 200 034 201 020-23,25,28 202 010,16,22,23 203 002,03,05-09 204 014 205 009-12,14,16,19 206 007, 09,13,14,18,24-27, 029,30,32-35,37,38,43 044,47,50,52-54,57-68, 070-76,79,81-84,86-91, 096,98-110,113, 115-117,119,120,122 123,125,132-141,145-152,157, 207 005,09-11,13-15,18 208 002,03,05,07-11 209 002,03,07-09,14,18, 021-23,25-29,31,33 036-41,43-47,60,64,65,67-69 352 005,08 354 023 355 040 0 136 200 007 EF,EG,EH 7/14V 20-50A GE,GEF,GEG,GEH 130/160/200/6/12 REE,REF,REG,REH 75/90/160/180/200-300/6 -----	
BX 182 P/N 0 1051 1	1 127 014 009	12 Volt
2-B 182	1 124 320 029	10 x 5 x 17
	0 120 400 600-6,8,9,11,14,15,20-31,34, 635,37,43,44,47-50,52-63,71, 672,75,77-82,86,87,92,93, 700, 2,3,9-14,16,17,19,21, 726-31,36,52,53,56,57,64,65 765-77,86,87,89,92-95, 800, 1,2,23,47,48,70,71,93-96 920,34,40 K1(L/R)14V35/55A20 28/45/50/55A22 K1-14V35A20,45A24	

**B 185****B 188****B 190, B 198****B 192****B 199****B 202**

BOSCH

BX 185 P/N 0 1052 1	1 127 014 011	12 Volt
2-B 185	1 124 320 027	8 x 5 x 15,5
	0 120 300 510-19,22,23,28-40 543-52,55,58-64,67,69, 573-80,85-90,92, 339 539 400 669,70, 704-07,22-24,33,40-43,45,47, 758,59,71,72,82,83, 806-11,14,27,28,31-34,36,37, 839-41,49-61,63-69,72,73,85, 889,90,98,99, 900-03,06,08,10-19,21,22, 926-28,36,37,43 450 003,4,7, 489 059,678,776,78,87,88,832,97, 955,98,99 9 120 143 000-003,6,7,9-11,15-17,20,21, 023,25-28,32-34 201-4,18,22,23,25, 144 002,5,10,11-14,18-20,22,24, 026,27,28,30,32,34,35,37, 039,40, 218-20,29-33,39,59,60-64, 272,74-76,94,96-98, 303,11 G1(L/R)14V15/18V20 28A22,33A27 G1-28V17A27 K1(L/R)14V35/38/50/55A20, 43/50A21, 35/45/60A22, K1(L/R)14V20/38/45/60A, 21/50A,23/55A,28/70A -----	
BX 188 P/N 0 1079 1	2 017 014 100,105	Startergenerator
4-B 188	2 014 320 012	6 x 14 x 23,5
	0 010 300 001-4,6,13,100,101 0 010 350 003-7,9,11-20,100-106 0 101 350 004 0 136 351 006 EJ160/12/3000 J(R)14V11A32 RL14V11A32	
BX 190 P/N 0 1080 1	1 127 014 012	12 Volt
2-B 190	1 124 320 025,43,57	10 x 5 x 17
	0 120 340 001-6,8 G1 14V20A	

BX 192 (4) P/N 0 1069 1	2 107 014 012	12/24 Volt
4-B 192	2 104 320 064	8 x 28 x 33,5
	0 101 209 060,65,68 301 010 302 022,25,27,29,35,39,44,56,84,105,111 601 003,5 21, 22, 24, 73, 92, 93, 96, 98, 100, 102-104, 106, 114, 116, 118-120, 122, 126, 128,130, 140, 142,148,149, 160, 166, 168, 171-179,186, 189-191, 194, 195 690 004 GTL700/12/24, 1000/12/24 TL 28V62A,UT1200/24 -----	
BX 198 P/N 0 1084 1	1 127 014 014	24 Volt
2-B 198	1 124 320 002	10 x 5 x 17
	0 120 400 504,5,7,8,10-12,17-19,22-25, 528-34,36,40-42,47-49,51-55, 558,63,66-72 617-19,32,33,36,39-42,45,64, 666-68,73,74,83-85,88-91,94, 695,97-99, 701,8,15,20,32,37,54,55, 773-75,78,79,85,88,90,91, 796-99, 805,24-26,30,35,42,43,45, 846,74-78,81-84,86-88, 891,92,97, 904,5,7,25,29-31, 9 120 690 024 K1 14V50A17,50A19,35/55A20 K1 28V17/25A19,21A21,27A23,35A24,45A27 K1-14V 16/35A K1-28V 3/45A,7/27A,8/35A -----	
BX 199 P/N 0 1081 1	1 127 014 015	12/24 Volt
2-B 199	1 124 320 039	8 x 5 x 15,5
	0 120 400 665 725,60-63,84, 829 489 793,94,96, 9 120 144 006-8,101-5,107,109,110 K1 14V55A20 K1 28V18A5/A21,35A8/A24 K1 28V 5/18A,7/27A,8/35A -----	
BX 202 P/N 0 1061 1	1 127 014 013, 017,020	12/24 Volt
2-B 202	1 124 320 046/054	8 x 5 x 19,5
	0 120 400 944,45,47-54, 450 001,2,10-29 469 580,691,752,53,73,850,51 484 045,46 489 034,658,709,891,900,995 9 120 144 124,125,130,133 K1-14V23/65A,35/75A,40/90A K1-28V 7/27A,8/35A N1-14V29/90A,30/85A,31/70A,40/100A,50/120A N1-28V10/55A	



B 203

B 204
B 209

B 208

BOSCH

BX 203 P/N 0 1086 1	2 127 014 003,005	24 Volt
2-B 203	2 124 321 005	10 x 5 x 22
	0 120 600 515,21,25,27,38-40,43,44,54, 554,58-71,73-81 0 121 600 503,7,9,11-16,18-20 T1 (R/L)28V60/85/100A12 85A14,125A21 T1-28V33/139A,170/16A T2-28V85/100A12,170A16 -----	
BX 204 P/N 0 1062 1	1 127 014 022 (018,023, 025,029, 030)	12/24 Volt
2-B 204	1 124 320 069 (070,079) w./o. springs and rivets	8 x 5 x 19,5
	0 120 339 547 450 030,31 468 001-147,149,154,155,159-162,999 469 001-041,043,044,048,100-105,107-118, 518-523,526,532,540-549, 551-564,566-569, 571,572,575,576,578,579,581-595,598-611, 617-624,628-653,655-662,664-677,679-690, 692-709,711-751,754,757-759,761-763,768, 772,774-797,799-802, 804-823,827-839,843, 849,852-865,868-871,873-879,881-897,899, 900-916,918-953,955,956,958-960,962,963, 966-985,988-999 484 001-027,035,040,041,050,051 488 000-012,100-103,109-112,114,115,118-126, 129-153,156-205,207-211,214,215,217-241, 243-247,249-293,295,299-304,306,308-316 489 002-018,022-033,035-046,055,057,058,061-066, 069,070,072,073,076-084,086-088,090-101, 103-156,162,167,168,170-176,181-184, 186-220,224,226-229,232-239,242-254, 258-263,266-269,272-279,282-283,285-292, 294-305,307,308,310-398,400-405,408, 410-413,418-452,455-457,460,461,465-467, 469-474,476-480,482-499,507,643,702-704, 707,710,723-726,728-731,733,737,756,757, 779,827,881,882,885,886,888,889,901-906, 909-912,917,918,928,930-933,935,936, 944-946,960,961,964-978,980-997 6 033 G00 1B Y G30 03B,14B,30B,31B,37-40B, 43B,57B,40B,58B,60B G3B 022 G40 11B GB2 009 GB3 006,08-10,14,19-23,27,30,31, 033,36,40,46,47,54,55,59 GB4 008,09,15-18,20,21 GB5 007,09 9 120 080 129,135 143 018,019, 144 111-123,126-129,131,132,136,137,139, 205-207,216,217,235-237,240-245,248-258, 265,266,269,270,279-282,284,286-290,292, 301,305,600-628,631,636 334 135-139,310,312-318,320,322-324, 326-328,625-628,631,635,636 335 003 690 095,098,150,152,154 9 121 337 079 K1 14/28V 35-120A N1 14/28V 55-140A NL1 28V45-80A	

BX 208 P/N 0 1063 1	1 127 014 028 w/o.wire	12/24 Volt
2-B 208	1 124 320 076, 078 F 00M 145 800	6 x 4 x 17,5
	compact generator slipring 14 mm same application as BX 213 Brush with flex only -----	
BX 209 P/N 0 1066 1	1 127 014 021 (019)	12/24 Volt
2-B 209	1 124 320 061	8 x 5 x 15,5
	0 120 339 502-506,509-526,527,528,531-538,543-546 400 938,939,941,942 450 009 469 500-507,510-513,515,517,524,525,528,531, 533-535,537,539,570,573,574 489 001,019-021,047-052,054,074,075,309,475, 481,500-502,506,508-514,519-523,526,527, 532-536,538,541-551,556-562,565,566, 568-570,572-578,580-582,586,588,590, 593-595,599-605,607-611,613-617,619-624, 626-636,638-640,642,644-650,652,654-657, 659-661,664-669,671-673,676,678-683, 686-688,692,699,701,706,711,712,714, 716-722,732,735,739-743,745,747-749,751, 753,755,758,760-763,765,767-770,772,774, 775,780,781,783,785,786,795,797,798, 800-804,806,809-811,813,815,817,819, 821-826,828,829,833,835-844,847-857,859, 860,862,864,866-869,871,873-875,877-880, 887,893-896,899,914,916,919,921,922,924, 938-940,942,943,947-952,956-959 888 888 9 120 143 035,036,205-210,212,214,215,224,227-229 144 016,100,106,108,202-204,209,215,221-224, 227,238 334 140 690 006,007,012-015,020,021,025,081,082 G1 14V 28-35A G1 28V 3/18A K1 14V 35-70A K1 28V 7/27A, 8/35A N1 14V 70-90A	



B 213
B 219



B 214



B 215



B 216

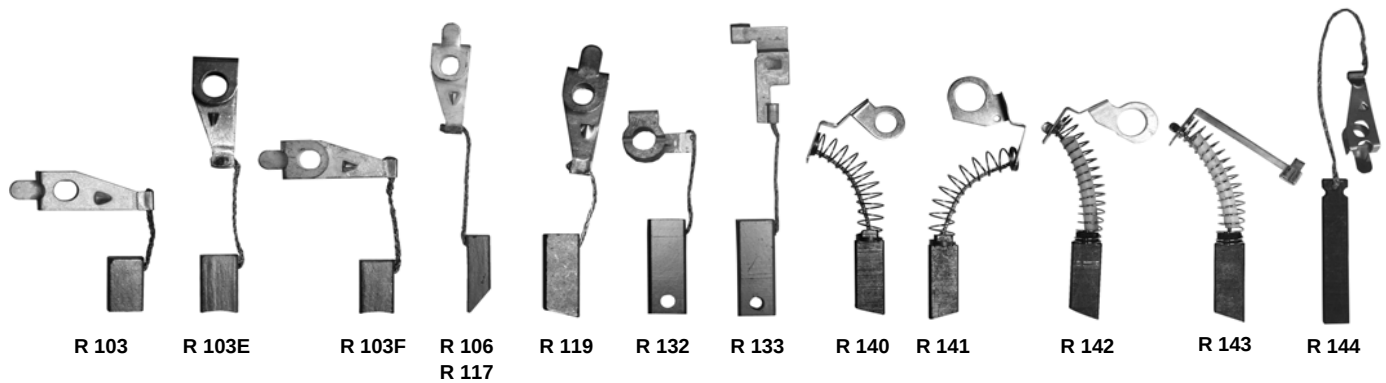


B 220

BOSCH

BX 213 P/N 0 1065 1	1 127 014 028	12/24 Volt
2-B 213	1 124 320 077	6 x 4 x 17,5
Regulators with monolithic circuitry Regulator-Nos.: 1 197 311 212-214,221-223,225,230,231,233-236, 238-240,242,501,503,508-511,513,514, 519-523,525,526,528-530,533,539-541, 543,545,547-553,555-558		
slip ring diameter 14mm		
0 120 335 006-008,010-012, 465 003,004,006-018,020,021,023,026-029,031, 485 005-008,011,012,015,017-020,022-026,028-030, 032,034,036,038,039,041,043,044,046-050		
0 123 100 001-003 105 001,002 110 004-008 114 005 115 009-014 120 001 212 001 215 001 310 001-008,010-020,022-035,037-044,046-055 315 001-008,013,015-022,500-503 320 001-012,014,016-055,057-063,065-067 325 002-008,010-014,500 335 001-006,008 340 001-003,005-007 345 004 500 001,002,004-009 505 001-005,007-018 510 001-018,020-023,026-034,037-054,056-075, 079-082,088,089,091-096,099-102,105-109 512 500-502 515 002-004,007-014,016-018,020-025,028,030,031, 500-503 520 001-008,010-015,017,019-023,026,027,029-031,500 525 001,500-503 540 001-004 545 001-004		
0 124 515 503 F 010 LD0 201,202,205,206 GC 14V,50-70A KC 14V, 37-95A NC 14V, 55-150A -----		
BX 214 P/N 0 1067 1	1 127 014 024	12/24 Volt
2-B 214	1 124 320 073	8 x 5 x 17,5
0 120 489 293,309,475,481		
K1 14/28V, 45-65A -----		
BX 215 P/N 0 1068 1	1 127 014 016, 026, 027 6 033 RD7 001	24 Volt
2-B 215	1 124 320 075	8 x 5 x 24,2
0 120 469 710 689 502-08,10-18,20-28, 530-35,38-41,43,45,46, 548-53,55,57-59,61,63 564,67,69,71-77,82-85, F 000 LD0 207, 208,210 T1 28 V 105-140A		

BX 216 P/N 0 1064 1	2 127 014 006,007,008	24 Volt
2-B 216	2 124 321 007	10 x 5 x 26,5
0 120 600 582-592 689 519, 29, 36, 37, 44, 47, 54, 56, 60		
T1(R/L)28V44/55A,51/85A, 60/89A,110/180A -----		
BX 219 P/N 0 1082 1	1 127 014 031	24 Volt
2-B 219	1 124 320 080 w./o. springs and rivets	8 x 5 x 17,5
0 120 469 847,848 488 206, 294		
K1 28V, 45A-90A -----		
BX 220 P/N 0 1083 1		12/24 Volt
2-B 220	F 00M 145 810	6 x 4 x 17,5
Multifunction regulators for Compact alternators		
Regulator-Nos.: F 00M 145 200,201,206-211,213-215,217-220, 222,224-231,233,235-249,251,252, 254-261,270,271,282,350,404,862		
slip ring diameter 28mm		
0 124 215 001-006,008 225 001,002,004,009,012,016,018-030,032-036, 038,039,045,047 315 001-008,010-016,018-022,024-027,030 325 001-004,006-024,028,031-037,039-067,071, 073-076,079,085,086,088,094,097,100,101, 105,107,109-115,119,120,125 415 001,002,005-016,023,025,026,028,030,032,033 425 004,006,009,010,019,021,022 515 001,004-006,010-013,015-019,022-028,031-035, 038-050,054-062,064,068,073,079,080,082,083, 085-087,089-091,095,096,101,103,109,110-113, 116-118,120,121,132 525 001,008-010,014,016,017,019-022,027,030,039, 040,056-058 555 001-008,012-016,020,024,027,035 615 002,006-009,012-017,019-021,024,026,027,030, 031,035,046 625 005,007,018 655 001,002,004-008,012,013,016, F 000 LD0 700		
E4 14V 50-110A E6 14V100-120A E8 14V 75-140A GCB2 14V 38-70A KCB1 14V 50-90A KCB2 14V 55-105A LI-E 14V 55-110A NCB1 14V 70-120A NCB2 14V 90-150A		



DELCO-REMY

RX 103 P/N 0 1266 1	1971521	12 Volt	RX 132-133 P/N 0 1290 1	Brush-Box 1989651	12 Volt
2-R 103	1942360, 1971523 10 SI, 27SI -----	8 x 5 x 13,2	1-R132 1-R133	1989661 1989660 CS 121,130 1101196,1199,1551 3472171 Opel, Renault -----	8 x 5 x 22,5 8 x 5 x 22,5
RX 103 E P/N 0 1268 1	Brush-Box 7982589	12 Volt	RX 140-141 P/N 0 1263 1	Brush-Box 10475746	12 Volt
2-R 103 E	7 982 543 7982574,75 7982600,1,4,5,48,52,74,75,98,99 7982703-5,7,10,17,20,21,28,38-45, 47-53,58,59,62,63,66,78,87, 7982811,12,22,54,56,57,64,65,72-75,80 7982952,53,80,81,86,88 -----	8 x 5 x 13,2	1-R140 1-R141	 CS 130D latest model 10479214,15 9981,84 10480052,71,187-190 Opel, Chevrolet, Saab, Vauxhall -----	8 x 4,5 x 22 8 x 4,5 x 22
RX 103 F P/N 0 1267 1	Brush-Box 3472316,19 DR701	12 Volt	RX 142-143 P/N 0 1261 1	Brush-Box 10475011	12 Volt
2-R 103 F	DR 702 34 72 002,4,8,14,18,22-24,26-28,32,33, 035,37,38,42,48-53,57-62,65-68 Opel -----	8 x 5 x 13,2	1-R142 1-R143	 CS 130D 10479914,23,47,55 3493947 Opel, Chevrolet, Saab, Vauxhall -----	8 x 4,5 x 22 8 x 4,5 x 22
RX 106 P/N 0 1269 1		12 Volt	RX 144 P/N 0 1271 1	Brush-Box 10492749	12/24 Volt
2-R106	187 6873 27 SI 200 -----	8 x 5 x 24	2-R144 	22SI Series	8 x 5,4 x 47,9
RX 117 P/N 0 1270 1	1995564 Brush Box 1894559	12/24 Volt			
2-R117	10467935, 10499511 1894564 10 SI 116,136 15 SI 116 -----	6 x 5 x 22			
RX 119 P/N 0 1262 1	Brush-Box 1988986	12 Volt			
2-R119	 17 SI all units	8 x 5 x 21			



JAA 5
JAA 8



JAA 9



JAA 10



JAA 28



JAA 33



JAA 35



JAA 38

DENSO

JAAX 5-8 P/N 0 1907 1 12 Volt

1-JAA 5	21660-040/060	10 x 5 x 20/18,5
	21660-090/160	
1-JAA 8	21660-050/080	10 x 5 x 20/18,5
	21660-100/170	
Hino	6-303-3106-90	
	6-303-3107-0	
Isuzu	9-8221-1692-0/-1693-0	
	9-8221-2114-0/-2115-0	
	9-8221-2138-0/-2139-0	
Toyota	27371-30010/-46030	
	27371-50020/-77010	
	27377-30010/-31010	
	27377-46030/-77010	

JAAX 9 P/N 0 1900 1 12 Volt

2-JAA 9	21660-0130	8 x 5 x 18/16,5
Daihatsu	27371-31011/-87202	
Hino	27371-1010	
	2737B-31011/-87202	
	6-303-3114-20	
Honda	31105-611-005	
	31144-516-004	
Isuzu	9-8221-1891-0/-1791-0	
	9-8221-2124-0	
Mazda	0727-24-542	
	1304-24-542	
Mitsubishi	K437128-1	
	MD604018	
	ME021981	
Subaru	39511-0802	
Suzuki	31631-31011/-55011	
Toyota	27371-31011	

JAAX 10 P/N 0 1899 1 12 Volt

2-JAA 10	21660-0320	5 x 8 x 17,6
Honda	31144-671-004	

JAAX 28 P/N 0 1917 1 12 Volt

2-JAA 28	21660-0330	8 x 5 x 22,5/20,3
Caterpillar		
Daihatsu	27371-44070	
Toyota	27371-44070	

JAAX 33 P/N 0 1913 1 12 Volt

2-JAA 33	21660-0311	8 x 5 x 28,5/26
	21660-0530	
Daihatsu	27371-56070-000	
	27371-87701-000	
	021660-0530	
Hino	27371-1160A	
	2737B-56070	
Isuzu	5-81215-018-0	
Mazda	V101-24-542	
Mitsubishi	ME702997	
Toyota	27371-54412	
	27371-56070	
	27371-56071	

JAAX 35 P/N 0 1915 1 12 Volt

2-JAA 35	21660-0390	7 x 5 x 15
	21660-0510	
Daihatsu	27370-87302-000	
	27371-63020-000	
	27371-87501-000	
	27371-70300-000	
GM	94123056	
	96054118	
Hino	021660-0390	
	021660-0510	
Honda	31144-PD1-0040	
	31144-PD1-0030	
	31150-PR7-AO1	
	31150-PTO-003	
Isuzu	8-94123-056-0	
	8-94139-014-1	
	8-97032-308-0	
	8-97032-310-0	
Komatsu	021660-0390	
	021660-0510	
Mazda	021660-0390	
	021660-0510	
	KL47-18-W75	
Mitsubishi	MD604474	
	021660-0510	
Subaru	021660-0390	
	021660-0510	
Suzuki	31631-82610	
	31656-82611	
	021660-0510	
Toyota	27370-42010	
	27370-75060	
	27371-63020	
	27371-70300	
	27371-72161	
	27372-63020	

JAAX 38 P/N 0 1919 1 12 Volt

2-JAA 38	21660-0370	8 x 5 x 22/19,5
Toyota	27371-44070	
	27371-44071	



J 16

J 18

J 22

J 26



J 30, J 33



J 31



J 32

J 41/0
J 42J 43
J 44

FIAT

Alternator

JX 16 P/N 0 1405 1		12 Volt
2-J 16	4042681 (Mar.74930001) D115/12,4158027,4153104,407539, (Mar.63023312,13,15,17-19) -----	7 x 19 x 26
JX 18 P/N 0 1407 1		12 Volt
2-J 18	4034356-74997971 DSV90 -----	6,5 x 14 x 20,5
JX 22 P/N 0 1410 1		12 Volt
2-J 22	4110852-74996331 DSV90/12/16/3 -----	6 x 16,5 x 20,5
JX 26 P/N 0 1413 1		12 Volt
2-J 26	4136135-74996101 D90/12/16/3E,F DC90/12/8/3 -----	6 x 16,5 x 20,5
JX 30-31 P/N 0 1415 1	portaspazzole 74990431	12/24 Volt
1-J 30/J 33	4190088-74995241 4297856	8 x 5 x 16/14,5
1-J 31	4190090-74990451 A12M-124-12-42/-42B/-42M/-42X/-47/-57B A12M-124-24-26/-26D/-26M A124-14V-44A/-60A A124-28V-26A 633 030 00,01,30,41,61 031 20,30,40,50,91 032 00,13,20,22,23,40,80,82,90 033 20,31,50,60,80,91 034 00,09,20,29 035 00,20,30,50,70 040 03,20,23,40,50,75,79,81-83,87,90 041 00,20 042 01,21,31 048 00,30,40,70,80,90 -----	8 x 5 x 16/14,5
JX 32 P/N 0 1417 1	4274790-74992271	12/24 Volt
2-J 32	4274791-74992281 79703271 A108-14V-33A AA108-14V-33A -----	8 x 5 x 15,5/14,3
JX 40-41/0 P/N 0 1422 1	portaspazzole 74999891	24 Volt
1-J 40	4189862-74999901	8 x 5 x 19,5/18,3
1-J 41	4189864-74999931 A12M-124-24-26 A12MD-124-24-50 633 040 02,22 044 00,01,20,30,31,40,60,90	8 x 5 x 19,5/18,3

JX 42 P/N 0 1433 1		12/24 Volt
2-J 42	7970502.1-7970745.1 AA125E-14V-65A AA125R-14V-45A/-55A/-65A/-70A AA125R-28V-30A/-35A 633 200 01-08,10,12,13,15-18,20-32,34,35,37,40,42, 44-58,60,63,73,82,83,91,94,96,97 201 00,02,05,10-14,18,19,21,22,26-32 210 00-11,13,15-17,19-25,27-29,31,33,35-37, 39-42,44-50,52,55,56,58-63,67,68,70-73, 77-80,82-84,86-88,90,91,95-99 211 00-14,16,17,23,26,29,36-38,41,46,49-59, 61-63,65,67-76,80,81,83,88-91,96-99 -----	7,2 x 4,2 x 17,5/16
JX 43 P/N 0 1434 1		12 Volt
2-J 43	54202906 A 115I -14V-85A A 127 -14V-45A/55A/65A/70A A 127I -14V-85A/100A A 127IM -14V-100A A 127IR -14V-85A/100A regulator Lucas 000 28 000,001,002,006,019 regolatore Marelli 836 142 51 RTM24TR 540 220 53,54,57,58 221 30,42,47,48,60,64,67,83,86-88,95-98 222 00,12,19,24-28,32,34,36,38,41-43,51,62, 64-66,75,80,81,86,90,91,95 223 01,07,10,13,14,17,18,22,23,30,35-37,40-42, 48,49,53,74,75,77-79,82-85,88-92,94,95,97,98 224 02,08,10,15,18-20,25,26,28,31,32,36,37,39, 45-47,50,52,58,59,74,81,83,95 225 10,14,17,25,28-32,36,52,54,55,60,61,64,67, 70,72,74,75,78,80-86,88-93,95-99 226 00-04,08,11,17,21-39,41-43,46-56,62-65,68, 73-84,86,87,89,90,92-96,98 227 06 632 212 27,29,31,32,37,41,45,46,53,99 213 13,97 214 05,06,12 633 241 45,57,58,61,88,98,99 242 00,02,05,06,08,09,16,17,20,21,30,31,33,35, 40,42,45,56,57,60,62,64,71,73,74,76,77,86, 88-91,93-96,98,99 243 08,11,16,18,22,27,32,34,38,74,80,84,85,87, 90,98,99 244 00,02-04,06-09,11,18 -----	7 x 4 x 22/20
JX 44 P/N 0 1435 1		12 Volt
2-J 44	836 225 20 A 115I -14V-55A/65A/75A/85A A 125I -14V-85A A 127IM -14V-85A/100A/120A A 127IR -14V-85A/100A AA 125R -14V-55A/65A AA 125R -28V-30A regulator Lucas 540 226 69 regolatore Marelli 836 159 21 RTM150B, -171 81 RTM153B 855 612 91 RTM151B, -620 61 633 212 00,04,05,33-35,40,52,61,70,75-78,80-83,87,92 213 00,10,11,15,16,21,28,30-33,40,43-47,49,51-55, 61,62,67,90,91,96,98 214 01,02,18,19,23,26,31,53,61,62,65,66,73 216 00-13,15-18,20,25,26,29-32,40,41,55,60,61,63,71 412 40 413 21,33,43-47,51-54 414 66 416 41,71	7 x 4 x 19/17,5



F 67



F 68

FORD VISTEON

FX 67	Brush-Box	12 Volt
P/N 0 1526 1	F1DU-10260-AA F1DZ-10347-A	
2-F 67		7,5 x 4 x 18
	3G-series / Mondeo Diesel -----	
FX 68	Brush Set with springs	12 Volt
P/N 0 1222 1		
1-F68	blue insulation	8,2 x 4,5 x 17.3
1-F68	red insulation	8,2 x 4,5 x 17.3
2-springs		
	1S7T1-10300-BA,BC,CB,CC,CD,DB,DC,DD 2S6T-10300-AA,FA 2T1U-10300-AF,AG,CA,CB 3S6T-10300-AA TC10-10300-EA YC1U-10300-EA	



JAA 12



JAA 19



JAA 20



JAA 32

JAA 37
JAA 39

HITACHI

JAAX 12

P/N 0 1901 1

12 Volt

2-JAA 12

L119N-1361

8 x 6 x 19

Hino 6-403-3127-80
Isuzu 9-8221-2104-0
Nissan 23135-14800/-73500

JAAX 19

P/N 0 1906 1

12 Volt

2-JAA 19

L123-1326
L125-2326
L130-1327/-7326
L130-7327
L135-13261
L135-1332

7 x 6 x 16,5

Hino 6-403-3119-90
Honda 31133-568-005
31134-568-005
Isuzu 9-8221-1609-0/-1687-0
9-8221-2105-0
9-8221-2108-0
9-8221-2120-0
9-8221-2130-0/-2131-0
9-8221-2133-0/-2149-0
9-8221-2150-0/-2151-0
9-8223-1803-0
1-33720-0630
1-33740-0130
1-33740-0150
1-33740-0270
1-33740-0280
1-81215-003-0/-006-0
5-81215-005-0/-041-0
Nissan 23135-16500/-16501
23135-21000/-21001
23135-21605
23135-61200
23135-65000/-65001
23135-90010
23135-90011
23135-95000
Subaru 89511-6101
89517-6101

JAAX 20

P/N 0 1905 1

12 Volt

2-JAA 20

L120-5326/-5327
L120-13262
L125-13251/-13261
L125H-1326/-1327
L130F-5326
L135-6326
L135N-1301
L150-13251/-13303/-13502
L150-73251/-73301
L150N-13261
L160-13301/-13302
L180-1335
L1401-1330

7 x 5 x 18/16,5

Isuzu 1.81215-018-0/-021-0
5-81215-007-0/-008-0/-009-0
5-81215-012-0/-013-0/-040-0
5-81217-004-0/-009-0
5-81218-014-0
8-94361-721-0
9-8223-1617-0/-1618-0
9-8223-1604-0
9-8223-1687-0

Komatsu
Nissan

1-337040-0450
23133-79500
23133-C6500/-N3300/-P0100
-U0101/-U0705
23134-61500
23134-L6000
23135-01B00
23135-06800
23135-61500
23135-99000/-99001/-99004/
-99005/-99008
23135-E3200/-E3201/-N3300
-P0100/-P2500/-U0104
23142-06800
23142-20W00
23142-B9800
23142-Q4601
Subaru 39526-2511
39533-2511
49526-7001/-7101/-7301
49574-7301/-7601
89511-6111
89517-6111

JAAX 32

P/N 0 1912 1

12 Volt

2-JAA 32

L150-23251-23252
L150-43301-83251
L150M-13251-13261
L160-33152
L225-13251,13261,23321
L240-13251,13261
L290-1325

7 x 5 x 21,5/20,5

Isuzu 5-81215-022-0/-023-0
5-81217-023-0
8-94156-593-0
8-94223-966-0
8-97037-173-0
Mazda 1456-24-532/-539
S203-24-532
RF01-24-532
Nissan 23134-61501
23135-61501
23135-W1700
23134-Z9000
23135-Z9002
23135-99010
23142-80W00
23142-V2800/-V6600/-W1700
49574-7101

JAAX 37

P/N 0 1918 1

12 Volt

2-JAA 37

L170-2325/-4325
L180-1325
L1110-1325

8 x 5 x 26,5/25

Mazda 121
Nissan 23142-1P000/-19V01/-50Y05
-60U00/-64J00

JAAX 39

P/N 0 1920 1

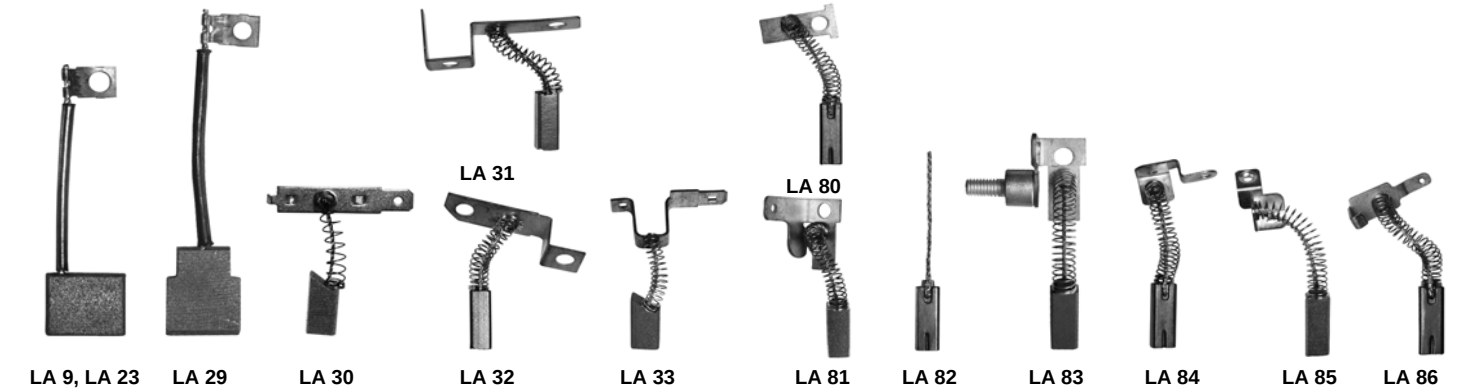
12 Volt

2-JAA 39

L170-1325

8 x 5 x 18

Isuzu 8-9446-2850-0
Nissan 23142-58S00
Subaru 23735-KA000



LUCAS

LAX 9 P/N 0 1550 1	227305 (USB 103)	12 Volt		LAX 33 P/N 0 1562 1	54218506 (ULB 107)	12 Volt	
2-LA 9	227304,2615 C39P,PV,V,ZV,XV -----	6,35 x 19,05 x 15,9		2-LA 33	11AC 23545,79,80 23633 -----	7,9 x 4,6 x 17,9	
LAX 23 P/N 0 1553 1	227541 (USB 104)	12 Volt		LAX 80-81 P/N 0 1569 1	60600780 (ULB 105)	12 Volt	
2-LA 23	229252 C40PV,-1 22700,3-5,13,15,16,18,19,32,33,35,42,44,47-49, 55,57,63,65-67,71,72,75,79,80,85-91 -----	5,5 x 19,05 x 18,2		1-LA 80 1-LA 81	54203641 23983-86,96-99 24020,23-28,34-38,49,51-54,58,59 61-72,79,82,83,85-90,94-96,98,99 24112,14-19,28,31-37,44,47,49,51,53, 64-66,70,77-85,89-92 24204,10,11,37 A115/133 -----	7 x 4 x 22/20 7 x 4 x 22/20	
LAX 29 P/N 0 1558 1	54216361 (USB 106)	12 Volt		LAX 80-83 P/N 0 1571 1	60600779 (ULB 104,106, 113)	12 Volt	
2-LA 29	54214342,54 C40-T,22762 22756,58,61,62,64,69,83,92 -----	5,5 x 17,4 x 23		1-LA 80 1-LA 83	23969-71 24010,11,41,46,47,55,56,60,91-93 24100-02,10,25-27,29,42,46,50 A115, A133 -----	7 x 4 x 22/20 7 x 4 x 22/20	
LAX 30 P/N 0 1559 1	54215076 (ULB 109)	12 Volt		LAX 82 P/N 0 1570 1	54202906	12 Volt	
2-LA 30	54214363 10AC,11AC 23504,7,17-19,21-30,32-41,43,49,51, 53,58,77,78,88 23601 23710 -----	7,9 x 4,6 x 17,9		2-LA 82	A127 -----	7 x 4 x 22/20	
LAX 31 P/N 0 1560 1	54218706 (ULB 108)	12 Volt		LAX 84-85 P/N 0 1572 1	54202906	12 Volt	
2-LA 31	15AC,16AC,17AC 23544,48,95 -----	4,6 x 4,6 x 12,7		1-LA 84 1-LA 85	A127I -----	7 x 4 x 22/20 7 x 4 x 22/20	
LAX 31-32 P/N 0 1561 1	54219368 (ULB 110)	12 Volt		LAX 86 P/N 0 1573 1	54390877	12 Volt	
1-LA 31 1-LA 32	15ACR,16ACR,17ACR,18ACR 23562,63,65-70,72,73,75,76,81-85,89-93,97-99 23600,2-6,9-20,22-27,29-32,34-56,58-68,73-80, 82,85-87,90-99 23700-9,11-19,21-23-31,34-43,45-48,50-71, 73-86,93-99 23800-20,22-28,30-33,35,37-57,59-65,67-69, 71-74,76-86,88-99 23900-58,61-64,67,68,72-74,80,87-95 24012-19,22,29-33,44,45,48,73 24103,8,39,40	4,6 x 4,6 x 12,7 4,6 x 4,6 x 12,7		2-LA 86	A127	7 x 4 x 23	



JAA 15



JAA 16

JAA 24
JAA 31JAA 25
JAA 34

JAA 36



JAA 36 ST

MITSUBISHI

JAAX 15 P/N 0 1904 1

12 Volt

2-JAA 15 A648C01371 7 x 6 x 14,5 / 13,5

Mazda 4002-24-552
Nissan 23135-73010

JAAX 16 P/N 0 1902 1

12 Volt

2-JAA 16 A648C00570 7 x 6 x 14

Mazda 0208-24-522
2994-24-552
Mitsubishi MD602458
Nissan 23135-14610/-21010
23135-76200/-H0110

JAAX 24 P/N 0 1910 1

12 Volt

2-JAA 24 A647X00771 A647X10771 A648D01071,01670 A648D01671 A648D02070,02271 A649X04070 7 x 6 x 19,5 / 18,5

Citroen JMTX 200
Mazda 0866-24-541
1011-24-541
8028-24-541
8173-24-522
Mitsubishi MD602783
MD607373
Nissan 23135-P4510
23135-W7110
23137-Z9000
23137-Z9001
Peugeot JMTX 200
Suzuki 31631-78432

JAAX 25 P/N 0 1911 1

12 Volt

2-JAA 25 A648C00471 A648C01270 A648C01271 A648C01570 A648D01070 A649T02971 7 x 6 x 18 / 17

Mazda 0290-24-556
0326-24-556
0706-24-556
0866-24-541
Mitsubishi MD602018
MD602019
MD602226
MD602750
MD602797
Nissan 23135-A5510

JAAX 31 P/N 0 1909 1

12 Volt

2-JAA 31 A648D01970,1971 7 x 6 x 23

Mazda 8599-24-522
Mitsubishi ME700424
ME701186
MM502377
42752-03021
Nissan 23135-J5500
23135-W1710

JAAX 34 P/N 0 1914 1

12 Volt

2-JAA 34 A648C02970 A648D02570 A648D02571 8 x 5 x 18 / 16,5

Mazda B675-18-W77
FE65-24-522
F811-18-W77
Mitsubishi MD611035
MD611566
Nissan 23135-13E10
Subaru 49574-6404

JAAX 36 P/N 0 1916 1

12 Volt

2-JAA 36 A648D02770 A648D03070 A990D03070 8 x 5 x 23 / 21,5

Mazda FE2H-18-W77
JE15-18-W77
Mitsubishi MD611689
Nissan 23135-59E10
-64J12
-V5511
Renault A4T...

JAAX 36 ST P/N 0 1903 1

12 Volt

2-JAA 36 ST A647X50170 50270 50870 8 x 5 x 23 / 21,5

with spring and terminal



JAA 40



PL 5



PL 10



PL 11

MANDO MELROE

PAL MAGNETON

JA-AX 40 Mando Melroe 12 Volt
P/N 0 1908 1

2-JAA 40 6,5 x 4,5 x 13,7/15

AR150CA

PLX 5 12 Volt
P/N 0 1688 1

2-PL 5 ID 1924 7,9 x 7,9 x 21

D 355-56; 12V/100W

PLX 10 12 Volt
P/N 0 1692 1

2-PL 10 6,3 x 6,3 x 15

Brush-Box 443 930 132 780

PLX 11 12 Volt
P/N 0 1693 1

2-PL 11 0131747 5 x 8 x 17

Brush-Box 443 930 166 170

443 113 516,620, 631,632,650
Skoda Favorit



U 71



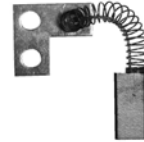
U 72



U 79



U 80

U 82/0 U 87/0
U 83/0 U 88/0

U 84

VALEO Ducellier

UX 71-72 P/N 0 1320 1	23268	12 Volt
1-U 71	23062	5 x 4 x 8
1-U 72	23064	5 x 4 x 8
	7522BC,32ABCDE,34ABCDE -----	
UX 79-80 P/N 0 1321 1	608 272 (608 267,611 641) (612 430,612 386)	12 Volt
1-U 79		6 x 4,5 x 15
1-U 80		6 x 4,5 x 15
	7526C,27BC,28C,29BDEF,30B,31B,33BCD 7535B,38A,40ABC,41ABC,43AB,45A,48A,49ABCDE, 7550ABCDEF,51B,52ABCD,53AB,54A,55AB,56BC, 7557AB,58ABC,60ABC,62ABCDE,63AB,65ABCDE, 7566ABC,67ABCDE,68ABC,69ABC,70AB,71ABC,72A, 7575ABCDE,76A,77ABCDE,78ABC,79A,80ABC,81AB, 7582A,83A,84BC,85ABC,86ABCD,90ABC,91ABCD, 7593A,96ABCD,97ABCD, 512 001A,2AB,3AB 513 001A,2A,3AB,4A,5A,8ABC,9AB,10A, 515 001A,2AB,3ABC,4AB,5A, 581 003A,6A,9AB,10A,13AB,17A,89A, 618 442C,43DEF,44CD,45B,46ABCD,47BC,48AB, 618 449ABCD,50AB -----	
UX 82-83/0 P/N 0 1323 1	w/o. spring and terminal	12 Volt
2-U82-83/0	replacement for Brush-Sets UX 79-80, UX 82-83, UX 85 -----	6 x 4,5 x 15
UX 84 P/N 0 1324 1	581 092	12 Volt
2-U 84		7 x 4 x 15
	7549G,69D,75DE,77GH,81C,84E,85D,86E,90D,97F, 512 008BCDE,10ABC 513 001C,002C,004C,005B,009D,010D,011A,12A 514 002A,4A,5BC,10A 515 003C,5B,6A,9A,10A,13A,14AB,15A,16A,18A 516 002ABC,3ABC,4AB,5A,12ABC,14A,21A,55A -----	
UX 87-88/0 P/N 0 1327 1	w/o. spring and terminal	12 Volt
2-U 87-88/0	replacement for Brush-Sets UX 84, UX 87-88, UX 87-89, UX 90, UX 90-91, UX 92, UX 93, UX 94, UX 95, UX 96	7 x 4 x 15



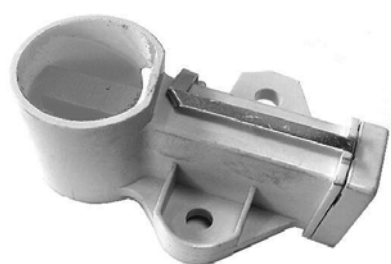
SV 7/9
SV 10

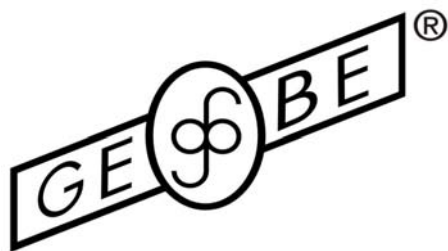
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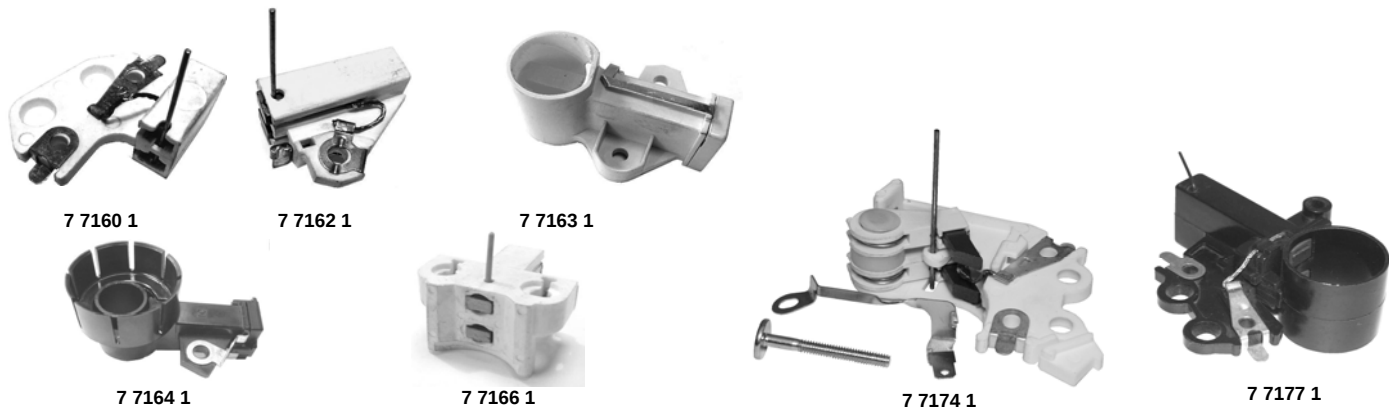
BÜRSTENHALTER

BRUSH BOXES

PORTE-CHARBONS







BRUSH BOXES

IKA-No. OE-Ref. Unit-No.

DELCO

7 7160 1 DR 701
3472316,-319
3472002,004,008,014,022-024,
026-028,032,033,035,
037,038,042,048-053,
057-062,065-068

Opel, Vauxhall

7 7162 1 10472881
10473364
10490180
1989651
CS 121, CS 130

Opel, Vauxhall

7 7163 1 10475011
CS 130D
3493947
10479914,23,47,55

Chevrolet, Opel,
Saab, Vauxhall

7 7164 1 10475746
CS 130D
10479214,15

latest model

7 7174 1 1894559
10SI
1102918,1102922

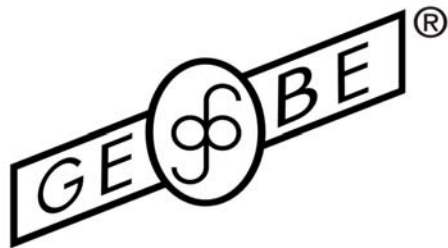
7 7177 1 10492749
22SI

IKA-No. OE-Ref. Unit-No.

FORD

7 7166 1 F1DU-10260AA
F1DZ-10347A
3G - series

Ford Mondeo Diesel



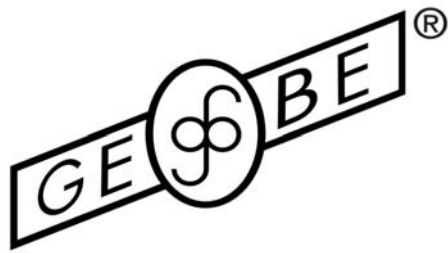
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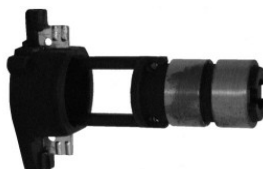
SCHLEIFRINGE

SLIPRINGS

BAGUES COLLECTRICES







SCHLEIFRINGE

SLIPRINGS

IKA-No.	OE-Ref.	Unit-No.	O.D.	Shaft	L
BOSCH					
1 2001 0	1 124 303 015		32.00 mm	17.00 mm	
	1 124 304 007				
1 2002 0	1 124 303 000		28.00 mm	17.00 mm	
	1 124 303 001				
	1 124 303 005				
	1 124 303 009				
	1 124 303 010				
	1 124 303 016				
	1 124 303 024				
	1 124 303 025				
	1 124 303 027				
	1 124 303 038				
1 2004 0	1 124 304 018	0120 689 ...	32.70 mm	20.00 mm	
1 2039 0		0120 465,485...	14.00 mm	7.00 mm	
1 2039 2	same as 1 2039 0 but special bronze CuSn5				
1 2050 0	same as 1 2039 0 but O.E.				
					
CAV					
1 2006 0	6220-104	AC5	31.50 mm	14.20 mm	
DELCO					
1 2007 0	1101196,1199, 1551	Opel	26.00 mm	13.20 mm	
1 2008 0	USA	10DN,10SI,27SI	30.00 mm	18.00 mm	
1 2031 0	USA	15SI	30.00 mm	17.00 mm	
1 2035 0	92100510	3472002,004,, 014,018	22.50 mm	12.00 mm	
1 2095 0	10479923 CS 130D		14.70 mm	7.10 mm	20.30 mm
DENSO					
1 2030 0	w / internal fan, w/o. leaders		14.90 mm	9.00 mm	24.00 mm
1 2036 0	stainless steel		33.00 mm	18.00 mm	25.00 mm
1 2047 0	w. 2 leaders		14.90 mm	9.00 mm	24.00 mm
1 2048 0	steel		33.00 mm	17.50 mm	

IKA-No.	OE-Ref.	Unit-No.	O.D.	Shaft	L
DUCELLIER / VALEO					
1 2027 0	I.C. Alternator		30.00 mm	17.00 mm	27.40 mm
1 2031 0	I.C. Alternator, w. 2 leaders		30.00 mm	17.00 mm	
1 2038 0	581 110		30.00 mm	17.00 mm	
1 2198 0	insulator for 1 2027 0 and 1 2038 0				
ELMOT					
1 2001 0			32.00 mm	17.00 mm	
1 2041 0		A115-43	25.00 mm	9.00 mm	
FIAT / MARELLI					
1 2001 0			32.00 mm	17.00 mm	
1 2089 0		A115i, A127i	16.70 mm	6.80 mm	
FORD US					
1 2009 0			31.80 mm	17.50 mm	26.70 mm
1 2010 0		3G series	26.85 mm	13.28 mm	
1 2011 0			31.75 mm	17.50 mm	29.10 mm
HITACHI					
1 2012 0		LR170-715B 716B 717	27.50 mm	14.00 mm	
1 2013 0			35.00 mm	17.00 mm	28.00mm
1 2096 0		LR160-154	32.40 mm	17.00 mm	29.40 mm
ISKRA					
1 2001 0			32.00 mm	17.00 mm	
1 2002 0			28.00 mm	17.00 mm	
LADA					
1 2001 0			32.00 mm	17.00 mm	
1 2014 0			32.00 mm	15.50 mm	
LEECE NEVILLE					
1 2015 0	71189	2300-2800 JB-series	29.30 mm	17.00 mm	



SCHLEIFRINGE

SLIPRINGS

IKA-No.	OE-Ref.	Unit-No.	O.D.	Shaft	L
LUCAS					
1 2040 0	UAB 104 54217372	ACR	slotted type w. clip		
1 2041 0	UAB 101	A115,A133	25.00 mm	9.00 mm	
1 2044 0		A127	27.00 mm	17.00 mm	
1 2089 0		A115i,A127i	16.70 mm	6.80 mm	
1 2198 0	Insulator for 1 2044 0				
MANDO MELROE					
1 2016 0			24.00 mm	7.90 mm	
MITSUBISHI					
1 2017 0	steel		23.00 mm	12.50 mm	28.00 mm
1 2037 0	copper		23.00 mm	12.50 mm	28.00 mm
1 2045 0	copper	 A3TA0791	23.00 mm	13.60 mm	28.00 mm
MOTOROLA					
1 2018 0	USA	12-1,-2,-3,-6	39.50 mm	19.00 mm	
1 2019 0	112-22 USA	8LHA, LHB 8SA, SC	25.40 mm	10.00 mm	
1 2021 0	512-055		26.00 mm	13.30 mm	
1 2022 0	512-003		32.00 mm	19.00 mm	
1 2023 0	512-004		32.00 mm	17.00 mm	
1 2034 0		2940304,5,7,9, 11,71,74	26.70 mm	15.20 mm	
PAL MAGNETON					
1 2001 0			32.00 mm	17.00 mm	
SEV					
1 2028 0	719 51903		39.00 mm	19.50 mm	
1 2029 0	719 51703		39.00 mm	17.00 mm	
1 2033 0	Rotor 71153403 131645		34.00 mm	17.00 mm	

IKA-No.	OE-Ref.	Unit-No.	O.D.	Shaft	L
PARIS RHONE / VALEO					
1 2020 0	O.E Style	A11VI,A13VI	14.90 mm	6.80 - 8.9	48.30 mm
1 2024 0	34100328	A13M11	36.00 mm	17.00 mm	
1 2025 0		A13N,A14N	30.00 mm	17.00 mm	28.00 mm
1 2125 0	= 1 2025 0 complete with insulator 1 2198 0				
1 2026 0		A13N,A14N	30.00 mm	15.00 mm	
1 2031 0	w. 2 leaders	A13N,A14N	30.00 mm	17.00 mm	
1 2032 0	49100327	A11R1,A11M6	30.00 mm	15.00 mm	
1 2033 0			34.00 mm	17.00 mm	23.00 mm
1 2042 0		A13N,A14N	30.00 mm	17.00 mm	29.00 mm
1 2043 0		A11VI,A13VI	14.90 mm	6.80 - 8.9	27.80 mm
		w. internal fan			
1 2051 0	same as 1 2020 0 but O.E.				
1 2090 0	2523992	A13N 1M,35M, 147M-149M	29.50 mm	17.10 mm	37.50 mm
1 2093 0	w. 2 leaders	A11VI,A13VI	14.90 mm	9.00 mm	24.00 mm
1 2198 0	Insulator for 1 2025 0				
COPPER RINGS					
1 2049 0	SR-CU for Slipring Denso IKA 1 2030 0		15.80 mm	13.10 mm	9.50 mm
1 2091 0	SR-CU for Slipring Paris-Rhone		30.00 mm	27.00 mm	8.95 mm
1 2092 0	SR-CU for Slipring Bosch		30.00 mm	27.00 mm	10.00 mm

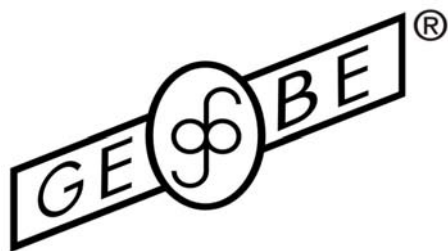
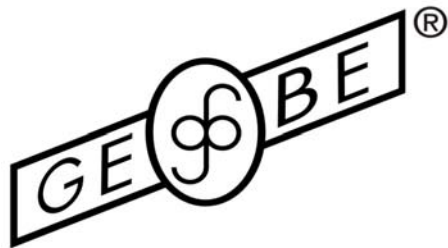
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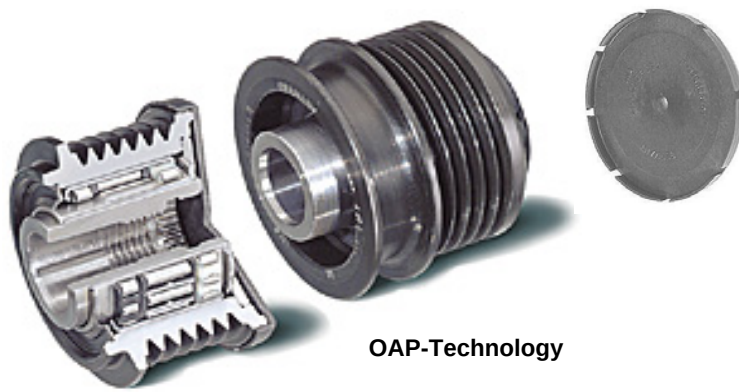
FREILAUFRIEMENSCHLEIBEN

OVERRUNNING PULLEYS

ROUE LIBRE D'ALTERNATEURS







OAP-Technology

FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.		
3 3515 1	Bosch	1 126 601 556	17 / 61 x 37,2	SEAT Arosa 1.7 SDI	0 123 310 038	
		1 126 601 557		Skoda Felicia I,-Fun,-Combi 1.9D	320 033,036,048	
		1 127 011 843	5 Grooves	Pickup 1.9 D	325 006	
		F 00M 991 397		VW	Caddy 1.9 D Pickup	KC(R) 70A,90A
	028 903 119 AP,-S	Lupo 1.7SDI	028 903 026 A,B			
	INA F-226556.4 / .5/ .6/ .7/ .10	Polo 1.7 SDI, 1.9 D	028 903 028 L,P			

	3 3516 1	Bosch	1 126 601 559	17 / 61 x 42,45	Audi A3 1.9TDI	0 123 310 035,049
			1 127 011 844		Skoda Octavia,-Combi 1.9SDI, TDI	320 032,059
		VW	038 903 119	6 Grooves	VW Bora 1.6,-Variant/1.8,-T	510 047,099
			038 903 165		Golf IV 1.9SDI/TDI, 2.3 V5	515 018,021
		INA	F-226804.4 / .5/ .7/ .09	New Beetle 1.9TDI	KC(R) 70A,90A	
				Sharan 1.8T 20V	NC(R) 120A	
				SEAT Alhambra 1.8 Turbo	038 903 023 G,H,J	
		-----				071 903 023, A
						98VW-10300-BA
3 3517 1		Bosch	1 126 601 565	17 / 55 x 40,65	SEAT Alhambra 1.9 TDI	0 123 320 038
			1 127 011 846		Cordoba,-Vario 1.9SDI, TD, TDI	515 017,020
			F 00M 991 389	6 Grooves	Ibiza 1.9 SDI/TDI	KC(R) 70A,90A
			028 903 119 AA,-AQ		Inca 1.7 D/1.9 SDI	NC(R) 120A
		VW	INA F-225355.3 / .4/ .5	Toledo 1.9 TDI		
				VW Caddy 1.7SDI, 1.9TDI	028 903 026 G	
				Golf III 1.9D, TD, GTD, TDI,-Cabrio	028 903 028 J	
	INA	F-225355.6 / .7/ .10/ .11	Golf IV Carbio 1.9 TDI	6K0 903 028		
			Polo Classic 1.7SDI, 1.9 SDI/TDI			
			Polo Variant 1.7 SDI/1.9TDI			
			Sharan/ Vento 1.9 TDI			
			Ford Galaxy 1.9TDI	97VW-10300-EA /1076005		

	3 3518 1	Bosch	1 126 601 568	17 / 61 x 37,7	DB C 200TD,220TD,250TD	0 123 320 041,046
			6 033 GD5 036		E 200 D,220D,250D,TD,290D,300D,TD	510 038,049,080,101
			Valeo 593495	6 Grooves	G 300DT, S300TD	6 033 G30 40B
DB 602 150 00 60		M16	Sprinter 208, 210, 212,308,310,312D		GB3 030,031,040	
604 150 00 60			408,410,412,512,612,812D Vario	KC(R) 90A / NC(R) 115A		
INA		F-225644.4 / .5/ .6/ .7	Unimog U90, U 100L	N1(R) 80A 24V		
			Steyr	A13VI 222,302,305,310		
				010 154 05 02		
				010 154 08 02		
Replacement for 3 3544 1					010 154 48 02	
					011 154 54 02	



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3520 1	Bosch	F 00M 147 600	Audi A2 1.2/1.4 TDI, 1.3 TDI 3L	0 120 000 015
		F 00M 147 737,801	A3 1.6/1.8 T/ 1.9TDI, -quattro	0 121 715 003,047
		F 00M 991 002,122	TT 1.8T/3.2 Coupè, Roadster,-quattro	0 124 315 001,013,032
		F 00M 991 206,284	Ford Galaxy 1.9 TDI, 2.8i 24V	325 001,012,047,073,
	Valeo	593600, 593999	SEAT Alhambra,Altea,Arosa 1.4-2.0 T/TDI	083,101,130,131,
	Hitachi	GD 214998-1	Cordoba,Ibiza,Inca 1.9 SDI/TDI	178
	PAL Magneton	0138600,601	Leon,Toledo 1.8/1.9 SDI/TDI	515 010,022,101,117
	Toyota	27039-0D030	Skoda Fabia 1.4 TDI/ 1.9 SDI,-Combi	121,125
	VW	021 903 119 G	Octavia 1.6/1.8T/1.9 SDI/TDI,-Combi	525 027,039,050,066,
		022 903 119 A,C	VW Bora 1.9TDI, 2.3, 2.8,-4Motion,-Variant	067,090-092,098,
		028 903 119 AM	Caddy 1.9/2.0 SDI/TDI	114,128
		038 903 119 A,T	California T5 1.9/2.0/3.2 TDI	615 017,038
	INA	F-227628.4 /5/.6/.7	Caravelle T5 3.2	625 010,028
		F-227628.10	Crafter 2.5 TDI	E4,E8 50-140A /M8,M8E 140A
		F-553470 /.01/.02/.05	Golf IV 1.6/1.9/2.3 SDI/TDI,-Variant	LI-X M2.5/ MP10,P10 180A
			Lupo 1.2 TDI 3L/1.4 TDI	A13VI285,289,292,297
			Multivan T5 1.9/2.0/3.2 TDI	SG 8 B013, -B027,
			New Beetle 1.9TDI, 2.0, Polo 1.4 TDI	SG 9 B015, -B078
			Passat 1.9/2.0 TDI,-Variant, 3.2/3.6 FSI	SG10 B032, SG12 B015,-B090
			Polo 1.4i/1.6i/1.9 SDI, -TDI,-Variant	TG11 C017
			Sharan, Touran, Transporter T5 1.9 TDI	TG14 C011, -C015, -C016
				021 903 026A, 028 903 028E
				038 903 023K,L
				045 903 023A,B,E
				98VW-10300-CA,EA
				YM21-10300-CA
				9517 033,403,463,483
				LR1120-701
3 3521 1	BOSCH	1 126 601 567	Audi A6 1.8,-1.8T,-1.8T quattro	0 123 510 045
		1 127 011 848	A6 Avant 1.8,-1.8T,-1.8T quattro	NC(R) 120A
		F 00M 992 711		058 903 016D
	VW	058 903 119 C		
3 3522 1	Bosch	1 126 601 566	Audi A4 1.9 TDI,-Avant,-quattro	0 123 320 055
		1 127 011 847	VW Jetta IV 2.0i	515 003
		028 903 119 T	Passat 1.9TDI,-Syncro,-Variant	KC(R) 90A / NC(R) 120A
	INA	F-225653.4 /5 /.8/.9/.12		028 903 028
3 3524 1	Valeo	593492	DB A 160 CDI, A 170 CDI	A13VI202
		668 155 00 15		SG9B039
		668 155 07 15		2542414A 90A
	INA	F-226954.3 /4/.5/.07		437346, 439333
3 3525 1	Bosch	F 00M 061 016	Chrysler Voyager 2.5 TD	0 123 510 109
		F 00M 992 717	Motor N2	NC(R) 115A
	Volvo	940 432 8		9442827
	INA	F-227079.4 /05/06		



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3526 1	Bosch F 00M 061 005 F 00M 147 736 F 00M 991 095,308,394 VW 021 903 119 H, -K 074 903 119 E INA F-227820.4 / .5 / .6 / .7 / .8 F-227820.9 / .10 / .12 / .13 / .14	17 / 73 x 41,6 6 Grooves M16	VW California, Caravelle T4 2.5TDI LT 28,35,46 2.8 TDI Multivan T4 2.5 TDI Transporter T4 2.5TDI	0 123 520 014 0 124 325 088 515 110 615 006 90 /120 /150A 074 903 025L,S,T 074 903 026 9442130, 9459093
		Replacement for 3 3567 1		
3 3527 1	Bosch 1 126 601 593 1 127 011 857 F 00M 147 723 F 00M 991 044 FIAT 9 949 580 VW 071 903 119 B,L 071 903 165 INA F-228618.4 / .5 / .07 F-230846 / .1 / .2 / .3	17 / 61 x 36,5 6 Grooves M16	VW Passat 2.3, -4Motion, -Syncro Passat 2.3 Variant, -4Motion, -Syncro	0 123 320 054 510 091 0 124 325 020 515 024 KC/NC(R) 90 /120A KCB1/NCB1 90 /120A 071 903 016 C,D,G,H FIAT 5040099780
3 3528 1	Hitachi L170G-25003 Nissan 23150-2W200,-20A INA F-228751.2 / .3 / .06 / .07	17 / 64 x 40,6 7 Grooves M16	Nissan Patrol, Terrano 2.7 D	LR190-752 23100-2W201 -VC 201
3 3529 1	Bosch 1 126 601 597 F 00M 061 023 F 00M 991 304 DB 611 150 01 60 611 155 02 15 611 155 06 15 INA F-228824.1 / .4 / .6 / .7 F-228824.09 / .10 / .11	17 / 55 x 40,5 6 Grooves M16	DB C 200 CDI, -T / 220 CDI, -T E 200 CDI / 220 CDI, -T Sprinter 208CDI, 21 CDI, 213CDI, 216CDI 308CDI, 311CDI, 313CDI, 316CDI 408CDI, 411CDI, 413CDI, 416CDI Vito Bus 108, 110, 112 CDI 2.2i	0 123 320 051,065 510 082,107,108 520 023,025 KC(R) 90A / NC(R) 150A 010 154 59 02 010 154 96 02 011 154 06 02 011 154 09 02 011 154 12 02 011 154 70 02 011 154 78 02
3 3531 1	Bosch 0 122 1AA 4Z0 0 122 1AA 5L0 0 122 1AA 7V0 DB 611 150 03 60 611 150 16 50 611 155 00 15 611 155 04 15 Delphi 104 51570, -53582, -80403 INA F-229363.3 / .5 / .6 / .7 / .9 F-559585 / .01	17 / 55 x 36,6 6 Grooves M16	DB E200 CDI E220 CDI, -T E270 CDI, -T ML 270CDI	0 122 0AA 0B0 0 122 0AA 0R0 0 122 0AA 2A0 NFB2 150A 000 150 05 50 000 150 06 50 000 150 17 50 000 150 25 50 000 150 28 50 Delphi 01220AA0B0



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3532 1	Valeo FIAT INA -----	593521, 593527 F-229603.1 / .4/.11/.14 6 Grooves M16	Citroen 1.9D / 2.0 / 2.2D C5,C8,Berlingo,Jumper,Xsara,Xantia Peugeot 2.0D 206,306,307,406,607,806 Boxer,Expert, Partner FIAT Scudo 2.0 JTD, Ducato,Ulysse Lancia Zeta	A14VI 35,41 437210, 439257 57054F 57055H,J 5705ER,GC 9621791480 A004TF0091
3 3533 1	Valeo Renault INA -----	593514, 593554 7700 426 849 8200 584 040 F-229643.3 / .4/.7/.10/.11 F-556602 / .01 6 Grooves M16	Renault F9Q-Motor w. air condition Laguna I+II,Traffic II,Master II Nissan Interstar GM Opel Movano, Vivaro Volvo	SG12B017,071,096,097,110 2542272E,2542653 4403540, 4411316, 4411318 4430591, 4430595 8200 162 474 9316 0665,-0666,-1425,-1427 9111540 8 251 641, 8 602 806 S30638577
3 3534 1	Ford KIA Mazda Melco INA -----	XW4U-10A352-AA YM2E-10N356-AA K801-18-W11 GY02 18 330 A628X91171 F-229974 / .4/.05 6 Grooves M16	Ford Probe 2.5 KIA Mazda 626 IV Hatchback Mitsubishi	339 54 59 339 54 61 K801-18-300 AT,B,C,D GY01 18 300 E A003TB1081
3 3535 1	Denso INA -----	021040-0960 F-230051 / .2/.03 6 Grooves M14	Jaguar S-Type	
3 3537 1	Delphi INA -----	104 84670 F-230753 / .1/.3/.06 F-554765.02 / .03 6 Grooves M17	GM/Opel V6 LX5-Motor	AD237-Serie
3 3539 1	Denso Volvo INA -----	021040-0970 9 472 909 F-231108 / .02 6 Grooves M14	Volvo 2.0T,2.4T,2.5T C70,S40,S60,S70,S80 V40,V70 I+II, XC70	TN 102211-0500 8 601 699 9 459 077,-092 9 472 908
3 3540 1	Marelli Fiat INA	8362516 9 948 225, 9 951 162 F-230866.4 / .5 / .7 F-230866.10 / .11 6 Grooves M17 short version	Alfa 145,146,156 1.9JTD Fiat Brava, Bravo, Multipla,Punto, 1.9JTD Lancia Lybra 1.9JTD	A115 IM 608 159 53 633 213 15 633 218 33, -59 465 443 29 465 544 08 467 822 18



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3541 1	Bosch	F 00M 147 724	Audi A4 1.9 TDI,-Avant,-quattro A6 1.9 TDI,-Avant,-quattro VW Passat 1.9 TDI,-Syncro,-Variant,-4M 2.0 TDI,-Variant	0 124 315 011
		F 00M 991 043,045		325 018,049
		F 00M 991 378		515 026,083
	Valeo	593490		525 010,089
	VW	022 903 119 D		615 021
		038 903 119 J,M		254 2232,2234A,2508
	INA	F-225653.6 / .7/.10/.11		SG 9B042
		F-552699 / .01/.02/.03		SG12B010,049,074
				SG14B011, -012
				028 903 029A,B,N,Q,S
				028 903 031
				95VW-10300-ABA
3 3542 1	Bosch	F 00M 991 042,376	Audi A4 1.6,-Avant 1.8,-Avant,-quattro,-T A6 1.8T,-Avant,-quattro	0 124 515 025
		F 00M 147 722		NC(R) 120A / NCB1 120A
	VW	038 903 119 P		06B 903 016 B
	INA	F-226322.6 / .9 / .10/.11/.14		058 903 016 D
3 3543 1	Valeo	593493	DB A 140, A 160 (M166) A 170,A 190,A 210 Vaneo	2542347A
	DB	166 155 02 15		A13VI 202,257 90A
	INA	F-230759.1 / .02/.05		SG9B038,039
				011 154 82 02
				012 154 43 02
3 3544 1	replaced by	3 3518 1		
3 3545 1	Bosch	F 00M 991 105,305	Porsche Boxster 2.7 / 3.2 S 911 3.4 24V Carrera 911 3.6 Carrera,-Cabrio,-Coupè,-S 911 3.6 Carrera Targa 911 3.6 GT2, Turbo Cabrio,-Coupè,-S	0 124 515 073
	Porsche	996 603 152 50		525 021,057
		997 603 154 00		NCB1 120 A, E8 140/150A
	INA	F-233525 / .1/.04		Porsche 996 603 012 02
				997 603 012 01,03
3 3546 1	Valeo	593515, 593517	Renault Clio 1.4 /1.6 Megane 1.4 /1.6 Volvo S40 I, V40 Kombi	2542466B 120A
	Renault	7701 055 871		A13VI 285,289,292,297
		7701 207 807		SG10B019,-B032
		8200 613 765		SG12B055
	Volvo	8 641 982		Renault 8200 054 588
	INA	F-228881.2 / .3		8251 635,-637,638,-640,-644,
		F-556599 / .01		646,-647,-648
				8602 185, 806
				2542495A
3 3547 1	Bosch	0 122 1AA 6K0	DB G 400 CDI ML 400 CDI S 400 CDI	0 122 0AA 1P0
		0 122 1AA 8F0		NFB2 150A
		F 00M 991 395		
	DB	628 155 00 15		000 150 22 50
	INA	F-230825.2 / .3/.04		



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3548 1	Bosch F 00M 147 721 F 00M 991 039,375 PAL Magneton 0138620 Valeo VW 038 903 119 AB,-Q INA F-230147 /1.1/2/3/04	17 / 61 x 37,2 with distance ring 5 Grooves M16	Seat Arosa 1.7 SDI VW Lupo 1.7 SDI Polo 1.7 SDI /1.9 D,-SDI Mitsubishi	0 124 315 006,012 325 014,021 KCB1 70A, 90A 038 903 023P,T 038 903 025A 8200 120 286, 8200 373 636 9517484 A002TB6481,-TC0981 SG12B038, 0124525028 TG11C011
Replacement for 3 5316 1 Rubber Clutch Pulley				
3 3549 1	Melco Mazda INA A628X91371 GY02-18-330A GY02-18-W37Z F-229974.3 F-232600 /01	17 / 65 x 38,7 6 Grooves M17	Mazda B-Serie V6 2.5 I 626 IV 1.8/ 2.0 I MX 6 2.0i KIA Clarus Mitsubishi	GY01 18 300 H,J BP8E-18-300, BP9E-18-300 FS05-18-300 OK29T-18-300 A002TB1081A A003TB1081 A,B
3 3555 1	Bosch VW INA F 00M 991 090 F 010 LD1 120 028 903 119 AJ F-230209 /2/3/04	17 / 61 x 36,5 6 Grooves M16	Gol III /IV 1.9D Parati III /IV 1.9D Saveiro III /IV 1.9D	0 124 315 020 325 041,076 F 010 LD0 205,206 KCB1 70A, 90A 048 903 017A 377 903 015, H,N
3 3556 1	Poong Sung KIA INA 72011-0740 OK588-18-W11 F-231618.1/2/04/05	17 / 64 x 35,0 5 Grooves M16	KIA Carnival (K V-II) J3 2.9TDI	OK552-18-300B OK553-18-300A OK554-18-300 02131-9070 85A
3 3557 1	Bosch DB Valeo INA F 00M 991 099, 125 F 00M 991 190, 303 611 155 03 15 611 155 05 15 611 155 07 15 2549800 F-233197.1 /2 /3 F-559320 /01	17 / 55 x 40,5 6 Grooves M16	DB C 200 /220 CDI,-T C30 CDI AMG,-Sportcoupè,-T Sprinter 208,211,213,216,308,311,313 316,408,411,413,416,616 CDI 715 C Accelo Vito 108,109,110,111,112,115 CDI Viano 2.0 /2.2 CDI	0 124 325 039,046,077,093, 105,170 515 061,064,084,091, 102,114,115,118 615 015,018,019,025, 032,033,035,042 625 006,020,022 KCB1 90A/ NCB1/2 120A 012 154 17 02, -22 02 012 154 24 02, -46 02 012 154 54 02, -63 02 013 154 08 02, -10 02 013 154 13 02, -21 02 013 154 32 02, -34 02
3 3558 1	Valeo GM-Opel VW INA 583516 93297735 03D 903 119 A F-233593 /1/04/05	17 / 61 x 38,85 6 Grooves M16	GM Blazer 2.8D VW/Skoda 3 cyl.	03D 903 025D,E,H,J
3 3559 1	Valeo VW INA 593494 06B 903 119A F-234739 /3 /04 /05	17 / 61 x 43,85 6 Grooves M16	Audi	SG12B047 SG14B010



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OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3560 1	Bosch 1 126 601 580 F 00M 991 393 DB 604 150 04 60 604 150 06 60 Delphi 220682 INA F-226387.4 /5./6./7./10 F-239662/ .01 -----	17 / 55 x 36,5 6 Grooves M16	DB 612D, 812D, O 812D (Vario)	0 123 320 049 510 072 KC(R) 90A / NC(R) 120A 010 154 64 02 010 154 65 02
3 3561 1	DB 906 155 03 15 906 155 13 15 906 155 21 15 INA F-230283 F-238215.01 /02/03 -----	17 / 79 x 41,35 8 Grooves M16	DB 614D,615D,814D,815D (Vario) 1015,1215,1317,1517,2528 (Atego) 1828,2628 (Econic) O 810,814,815 (Vario) Unimog U300, U400, U500, U5000	0 120 469 115,117,118 NL1(R) 80A 24V 009 154 98 02 012 154 57 02
Replacement for solid Pulley 1 126 601 102 -----				
3 3563 1	Marelli INA 8362959 F-234359 /2/03 F-552016.01 -----	17 / 61 x 37 6 Grooves M17	Ford Transit 2.3 16V Marelli Ford	633 217 43 115A YCIT-10300-BB
3 3564 1	Denso INA 71011-0750 F-233970 /02/03/04 -----	17 / 64 x 35.6 6 Grooves M16	Hyundai 2.0D Avante XD, Elandra Trajet XG, Santa Fe KIA Cerato,Carens II, Sportage	02131-9110 37300-27010 120A 37300-27011
3 3565 1	DB INA 906 155 07 15 906 155 14 15 F-233834.1 /2/03 F-551359 -----	17 / 61.8 x 47.2 long version 8 Grooves M16	Mercedes Actros O 530 (Citaro)	0 120 468 143 469 120 6 033 G00 4BY 6 033 GB3 023 6 033 G30 81B,82B NL1 28V 100A 09 154 99 02
Replacement for solid Pulley 9 122 336 719 -----				
3 3568 1	Bosch F 00M 391 160 F 00M 991 138,302 DB 271 154 09 02 271 155 00 16 271 155 01 15 Valeo 593625 INA F-232001.2 /4/ 6/07/08/09 -----	17 / 60 x 46.2 7 Grooves M16	DB C 160 /C180 Kompressor,-Sportcoupè,-T C 200 CGI Kompressor,-Sportcoupè,-T C 230 Kompressor,-Sportcoupè,-T CLK 200 CGI Kompressor,-Cabrio,Coupè E 200 Kompressor,-T SLK 200 Kompressor	0 124 515 062,088 615 022,028 NCB1/NCB2 120A/ 150A SG12B062 2542582B 120A 271 154 02 02 271 154 08 02
3 3569 1	DB INA 906 155 02 15 906 155 12 15 F-233834 F-238216 /01 F-552296 -----	17 / 61.8 x 39.1 short version 8 Grooves M16	Mercedes Atego, Econoc, Unimog O 810, 814, 815 (Vario)	0 120 468 145 NL1(R) 28V 100A 010 154 00 02
Replacement for solid Pulley 6 033 GC5 009				



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP'S

IKA-No.	Original-Ref.		Dimensions	Application	Unit-No.		
3 3573 1	Bosch	F 00M 147 764	17 / 59 x 35.3 6 Grooves M16	Citroen Berlingo 1.6 HDi	0 121 615 009,021,028		
		F 00M 147 766		C2/C3 1.4/1.6 HDi,-Picasso,-Pluriel	715 024		
		F 00M 147 907		C 4 1.6 /2.0 HDi,-Coupè,-Picasso	0 124 525 035,126		
		F 00M 349 814		C5 1.6 /2.0 /2.2 HDi,-Break,-Tourer	615 027		
		F 00M 991 171		C8 2.0 /2.2 HDi	NCB2 150A		
		F 00M 991 271		Jumpy 1.6/2.0 HDi,- 1.9 Diesel	E8 150A LIX C2.5		
	FIAT	77362558		Xsara 2.0 HDi,-Break,-Coupè,-Picasso	FIAT 9646065480		
	INA	F-232369.4 /5/.07/.08		Peugeot 206 1.6/2.0 HDi, 206 CC	9646321880		
				207 1.4 /1.6 Hdi,-CC	Ford 2S6T-10300AA		
				307/308 1.6/2.0 Hdi,-Break,-CC	6G9N-10300-ADA,-ADB		
				407 1.6 /2.0 HDi,-SW	-XA,XB,XC,YC		
				607 2.0 HDi / 807 2.02 /2.2 HDi	7G9N-10300-EA		
				Expert 2.0 Hdi, 1.9 Diesel	PSA 5705 AA,-AS		
				Partner 1.6 HDi	96 460 654		
				FIAT Scudo 1.9D / Ulysse 2.0 16V JTD	96 463 218		
				Lancia Phedra 2.0/2.2 16V JTD	Volvo 30795169,8697585		
				Ford Galaxy/S-Max 2.2 TDCi, Mondeo 2.0			
				BMW Mini Cooper,-Clubman			
				Landrover Freelander II 2.2Td4			
				Volvo S80/V70 2.05			
	3 3574 1	DB	906 155 08 15	17 / 79 x 45.65 8 Grooves M16	Mercedes O 345 (Conecto) O 520 (Cito) O 530 (Citaro)	0 120 469 119	
			906 155 15 15			6 033 GB3 010,083	
		INA	F-230283.1 /2/.03			NL1 28V 100A	
			F-240423			010 154 89 02	
						013 154 71 02	
Replacement for solid Pulley 6 033 GC5 005							
3 3576 1	Bosch	F 00M 991 016,061	17 / 61 x 37.8 6 Grooves M16	Volvo C70 2.0/2.3/2.4,-T,-Cabrio,-Coupè S40 I 1.6/1.8/2.0,-Z S60 2.0, 2.3T, 2.4,-D,-T,Bi-Fuel, R S70 2.0-T,2.3/2.4/2.5,-Bi-Fuel S80 I 2.0T, 2.4, -Bi-Fuel AWD V70 I+II 2.0T, 2.4, 2.4D, 2.4T,2.5D XC70 2.3T,2.4D5,2.5T XC90 2.5T, D5	0 124 515 019,054		
		F 00M 991 156,232			525 014,029,060		
		F 00M 991 265			625 003,024		
		F 00M 147 716,760,799			NCB1 120A		
	Volvo	8 676 497, 9 459 747	E8 140A / P10 160A				
		30667878, 30737517	3065 8085, -8087				
	INA	F-230401 /6/.7/.8/.09	3066 7787, -7788,-7894,-7895				
		F-552923 /01	8601 841				
		F-553099.01	8602 276,-343,-629,-710,-714,				
			8603 262, -265				
	Replacement for 3 3536 1						
	3 3577 1	Bosch	F 00M 991 108		17 / 62 x 35.6 6 Grooves M16	Audi A3 1.8 FSI,-Sportback A4 1.6,-Avant 1.8T,-Avant,-Cabrio,-quattro 2.0,-Avant,-Cabrio,-(T)FSI,- quattro A6 2.0, Avant 2.0	0 124 515 059
F 00M 991 266			525 009,088				
F 00M 147 732			615 009				
Valeo		593778	NCB1 120A NCB2 150A				
VW		06B 903 119 B, -D	E8 140A M8E 140A				
INA		F-231142 /1/.05/.08		SG12B075, SG14B016			
				06B 903 016 AB,P,Q			
3 3578 1	Denso	TN 021040-1060	17 / 55 x 41.86 8 Grooves M14	Chrysler Jeep	121000-3490		
	INA	F-234065					
		F-558553					



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3579 1	Valeo INA -----	593832 F-236591.1/.04/.05/.06 ----- 6 Grooves M16	Citroen C 5, C 8D Peugeot 406, 806, Expert	SG10B048 TG 9B026, TG10B013 TG15C020, -C028
3 3580 1	Valeo FIAT Opel INA -----	593860 55186280 77362721 1204392 F-237101.1/.02/.03/.04 ----- 6 Grooves M16	Fiat 1.3 I JTD Idea, Panda, Grande Punto Lancia Ypsilon Opel Agila, Astra H, Combo, Corsa C Meriva, Tigra Twintop	TG8S012,013 TG9S010,015,022 2542670B,2542884 437474,437497,437503 439505, 46823547 55185075 6204180,-181 1311 7278, -7279
Replacement for			LITENS 3 5301 1	
3 3581 1	Valeo Renault INA -----	593516 7711 134 312 8200 584 039 F-234637 /.01/.03/.04 ----- 5 Grooves M16	Renault Motor F9Q 1.9 DTI Laguna II, Traffic II, Master II Mitsubishi Space Star, Carisma Nissan Interstar, Primastar Volvo S40, V40	SG12B050,095,108,116 2542523 437208,437351 439292,439341 8200 022 774, -086 130 8200 162 474, -495 302 8200 538 407, -538 815 8200 590 255, -690 199 8 602 356 23100-00QAL, QAU, QBG S883627 9316 0666, -1424 9319 1541
3 3582 1	Valeo INA -----	593782 F-237481 /.01/.02 ----- 6 Grooves M16	Ford Mondeo ST 220, Motor 14V6	TG12C013,015,016 439483 Ford 2S7T-10300-AA
3 3583 1	Hitachi Nissan INA -----	L1110G-7500 23151-6N200 F-232288.1/.02/.03 ----- 6 Grooves M16	Nissan Altima 2.0/2.5 GDI	LR1110-713
3 3584 1	Bosch BMW INA -----	F 00M 991 142,273 F 00M 147 747,913 11 31 4 466 271 12 31 7 516 099 12 31 7 552 352 F-236566 /.01/.02 ----- 6 Grooves M16	BMW 116i, 118i, 120i 316 Ci-Coupé, 316i,-Touring 316ti Compact 318 Ci Cabrio, -Coupé, 318i,-Touring 318ti Compact Z4 2.0i	0 124 325 072,087,116 KCB1 90A E4 110A
3 3586 1	Valeo FIAT INA	593907 773 633 03 9949627 F-229603.3 /.7/.12 F-229603.13/.15/.16	PSA 2.0D, DW 10/12 150 A Lancia Suzuki Vitara 2.0 TDI	A14VI41,48,49 SG15S018,019,022,024,025 2542500 96408 787 80



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3587 1	Bosch 1 126 601 572 F 00M 991 392 Delphi 211242, 220681 DB 604 150 01 60 604 150 05 60 INA F-225643.4/.5/.6/.7/.9 F-225643.10/.11/.12	17 / 61 x 35.7 6 Grooves M16	DB Vito 108 D / 110 D 2.3 V 230TD Ssang Yong Muso, Korando 2.5 / 2.9 Hyundai Sorento 2.5 / 2.9	0 123 320 047,062 510 058,075,102 520 010 KC(R) 90A NC(R) 115A,143A,150A 011 154 05 02
Replacement for 3 3519 1				
3 3589 1	Valeo Korea Hyundai KIA INA 2655703 K406701 406607 F-232774.1 /.03/.04/.05	17 / 74 x 42.5 7 Grooves M16	Hyundai 2.5 4cyl KIA	AF 111393 37300-4A110
3 3590 1	Ford INA 1S7U-10A352-DB,-EA F-232854.3 /.06 F-556615	17 / 59 x 38.45 6 Grooves M16		1S7T-10300-CB,CC,CD
3 3591 1	Bosch F 00M 147 746,914 F 00M 391 122,157 F 00M 991 141,301 BMW 12 31 7 516 103 12 31 7 532 965 INA F-236528 /.01/.03/.04/.06/.07	17 / 55.4 x 35.3 6 Grooves M16	BMW 116i,118i,120i,130i 316i,-Touring /ti,-Compact/ Ci Coupè 318i,-Touring /ti,-Compact /Ci Cabrio 320i,-Touring /si 323i,-Touring 325i/330i,-Touring /xi,-Touring 523i/525i/530i /xi,-Touring 630i,-Cabrio X3 2.0i Z4 2.0i /2.5i,-si 3.0i,-si,-Coupè	0 121 615 010 715 012 0124 515 098 525 042,045,048,049, 059,083 NCB1 120A E8 150A M8E 155A H7P 150A 14M2.5
3 5302 1	Denso Isuzu 8-97229-366-0 8-98033-736-0 Opel 97 229 366 Saab 53 40 393 INA F-228411.2 /.04	17 / 55.4 x 41.5 6 Grooves M14	Isuzu 3.0 Diesel Renault Vel Satis, Expression,Privilège Initiale 2.0 16V Turbo	104210-3180 -3370
3 5307 1	Valeo 593539 / 593904 / 595203 BMW 12 31 7 516 105 12 31 7 536 960 INA F-230329.02/.04 F-238005 /.02	17 / 53.3 x 38.25 6 Grooves M16	BMW 130i	SG11B010 SG12B065 SG14B017 90-140A
3 5308 1	Denso Toyota INA 27415-27011 F-570753	17 / 63.4 x 38.3 5 Grooves M17	Toyota Avensis RAV4	
3 5309 1	Bosch F 00M 147 957 F 00M 991 178,314 INA F-238120 /.01/.02	17 / 55.4 x 36.35 6 Grooves M16	Renault Laguna II,-Grandtour 1.9 DCI	0 124 525 047 E8 150A 8200 229 907





3 5318 1

FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5310 1	Bosch F 00M 991 217,326 F 00M 147 806,976 INA F-550213.01/.07/.10 -----	17 / 57.5 x 42.3 5 Grooves M16	Renault Clio II/III 1.5 DCI Modus 1.5 DCI Thalia 1.5 DCI	0 124 425 013,029 525 069 82 00 360 480,481
3 5311 1	Bosch F 00M 991 133 F 00M 991 189 F 00M 147 738 Opel 93 175 986 Saab/Scania 5340393, 5543814 INA F-234563.1 /.2 /.04 -----	17 / 55.4 x 41.7 6 Grooves M16	Opel Signum 3.0 V6 CDTI Vectra 3.0 CDTI,-Caravan Saab 9-5 3.0 TiD,-Kombi	0 120 000 033 0 124 525 019,046 E8 140A 5350087 13125525 93175988
3 5312 1	Bosch F 00M 349 826 F 00M 391 110 F 00M 991 157 DB 628 150 00 60 642 150 00 62 642 150 08 60 INA F-236127 /.01/.02/.03/.04/.05 -----	17 / 55.4 x 40.8 7 Grooves M16	DB CLS 320 CDI Coupè E 280 CDI,-4matic,-T E 320 CDI,-4-matic,-T E 400 CDI, G 400 CDI ML 400 CDI, S 400 CDI	0 121 715 011,015 813 020 0 124 625 004,017 E10 200A, M10E 206A H8P 180A 000 150 19 50 000 150 22 50
3 5313 1	Bosch F 00M 147 761 F 00M 991 167,282 VW 021 903 119J Delphi 10493077 Hitachi GD2 15070,-17756 INA F-235449 /.2/.03/.04 -----	17 / 61 x 36.6 7 Grooves M16	Porsche Cayenne 3.2 VW Touareg 3.2 / 3.6 FSI	0 124 615 026 NCB2 150A 021 903 026 B 955 603 017 00
3 5314 1	Bosch F 00M 991 181 F 00M 991 255 DB 646 150 02 60 648 155 00 15 INA F-235968 /.01/.08/.09 -----	17 / 55.4 x 36.8 6 Grooves M16	DB C 200/220 CDI,-Sportcoupè,-T CLK 220 CDI E 200 CDI E 220/270/280/320 CDI,-T S 320 CDI,-T	0 124 625 014,019,033,045 E10 200A 012 154 98 02 013 154 00 02, - 59 02 014 154 07 02
3 5317 1	Denso Italy INA F-233608.1 /.02/.03 -----	17 / 63 x 36.65 6 Grooves M17	Ford Focus 1.8 D for Shaft Decoupler 5M5Q-10344-AA, AB	fits Shaft Decoupler Assy. 3 3593 1
see chapter Isolator Decoupler Pulleys				
3 5318 1	Bosch VW 070 903 201 C INA F-237653	17 / 76 x 33.6 M16 w/o. dust cap	VW California T5 2.5TDI,-4 Motion Caravelle T5 2.5 TDI,-4 Motion Multivan T5 2.5 TDI,-4 Motion Touareg 2.5 TDI Transporter T5 2.5 TDI,-4 Motion	0 124 615 031 625 013,018 NCB2 150A, P10 180A 070 903 024,A,B
for complete assy. with coupling see Pulley Kit 3 5401 1				
for the latest model to replace INA-Pulley see NSK 3 5407 1				
			Climate Compressor 2.5 l Model AXD,AXE,BLJ	3D0 820 805E 740 820 805E,F



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5319 1	MAKO INA ----- 83653301 F-237045 / .02	17 / 61 x 36.7 7 Grooves M17	Ford Transit FT 330 K,L,M 2.0/2.4 FT 350 EL,L,M 2.0/2.4 FT 430 EL,L,M 2.0/2.4	2CIT-10300-BA 105A
3 5320 1	Melco Renault INA ----- JK58A-01636A 8200 399 801 F-550379 / .01/.03	17 / 59 x 42.3 5 Grooves M16	Renault	8200 399 801
3 5323 1	Bosch VW Valeo INA ----- F 00M 991 204 F 00M 147 800 03C 903 119 A,C 2602484 F-240139 / .02/.03/.04	17 / 55 x 36.3 6 Grooves M16	Audi A3 1.4 TFSI, -Sportback VW Golf V /Golf Plus 1.4 TSI Jetta 1.4 TSI Passat 1.6 FSI,-Variant Tiguan, Touran 1.4 TSI	0 124 525 074,093 E8 140A M8E(R) 150A 03C 903 023 A,C,G
3 5326 1	Bosch INA ----- F 00M 991 216,231 F 00M 991 293 F 00M 147 807,831 F 00M 147 936 F-238512.02 / .03/.05/.06	17 / 53 x 37.5 7 Grooves M16	Renault Laguna II,-Grandtour 1.9 DCI Megane II,-Cabrio,-Grandtour 2.0 DCI Scenic II 2.0 DCI	0 124 425 018,074 525 076,137 E6 120A / E8 150A 8200 251 006 / 8200 356 669 8200 660 022 / 8200 726 639
3 5327 1	Bosch Chrysler INA ----- F 00M 991 252 051383490AA F-556234.01 / .02	17 / 62.7 x 36.1 8 Grooves M16	Porsche 911 3.6 Turbo 4x4 Boxster 2.7, -3.4S Cayman 2.7, -S3.4	0 124 525 105-107,129 154,156 NCB1 132A / M8E 150A 997 603 022 00, 01,02,03 998 603 022 01
3 5328 1	Hitachi Delphi GM Opel INA ----- GD2 18089-1 10511026 97186700 1204366 F-240113 / .01	17 / 64 x 41.3 6 Grooves M16	Honda Civic Isuzu Opel Astra G, Combo,Corsa C,Meriva Diesel	LR1100-503,508 110A LR1110-508 Isuzu 8-97189-113-3 113-4 113-5 Opel 1204158 9317 5799,-5944 9718 9113 DRA3794N
3 5329 1	Valeo INA ----- 593 618 F-232030.05 / .10	cancelled	similar product = 3 5345 1	
3 5331 1	Visteon INA ----- VP2PSU-10A352-BA -CA F-235492 / .2 F-556614	17 / 59 x 41.1 6 Grooves M16	Ford Fiesta 1.4 Diesel PSA 1.4 Diesel	



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5332 1	Melco Mazda INA	A628X92171 LF18-18-330 LW18-18-W11 F-238163 / .01/.02/.03 6 Grooves M17	Mazda 6, Altenza 2.0/2.3 I	A003TG0081 LF18-18-300
3 5333 1	Valeo Renault INA	595226 8200 489 514 F-236675.02 / .03/.04 7 Grooves M16	Renault	SG15L07 TG15C058
3 5334 1	Bosch DB INA	F 00M 391 105,145 F 00M 991 391 629 150 01 60 F-239992 / .01/.02 8 Grooves M16	DB E 420 CDI S 420 CDI GL 420 CDI ML 420 CDI	0 121 715 013 813 004,005 LI-X 14V 3.1 220A H8P 180A, H10P 220A 629 150 00 50 629 150 04 50
3 5335 1	Bosch DB INA	F 00M 349 828 F 00M 391 104,144 629 150 00 60 F-239356 / .01/.02/.03 8 Grooves M16	DB GL 320 CDI ML 280 /320 CDI R 280 /320 CDI 4matic S 320 CDI, -4matic	0 121 813 003 LI-X H3.1 220 A 013 154 09 02
3 5336 1	Bosch INA	F 00M 391 112 F 00M 391 138 F-553393/.01 6 Grooves M16	Ford Galaxy 2.0i Mondeo IV 2.0, -Turnier S-Max 2.0i Volvo S80 II 2.0B, -Flexifuel V70 III 2.0B, -Flexifuel	0 121 615 006 H7P 150A 6G9N-10300-ABA,ABB,ABC 1379699,1388002 30667295, 36000220
3 5337 1	Bosch INA	F 00M 349 813 F 00M 391 113 F 00M 391 139 F-553392 / .01 5 Grooves M16	Ford Mondeo IV 2.5, -Turnier S-Max 2..5 Volvo S80 II 2.4D, -2.5T, -D5, -D5 AWD V70 III 2.4D, -2.5T, -D5, -D5 AWD XC70 II D5	0 121 615 005 715 008 H7P 150A / H8P 180A LI-X M2.5 180A 30667118,119 36000037,038 6G9N-10300-HA,HB,HC,HD,JB 10399-HB 1379701,1388004
3 5338 1	Bosch INA	F 00M 391 123,125 F-556174.01 7 Grooves M16		



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5339 1	Bosch INA -----	F 00M 991 186 F-238918.01/.02 5 Grooves M16	FIAT	0 124 515 112 NCB1 120A 51705863
3 5340 1	Bosch INA -----	F 00M 991 219,313 F 00M 147 821,956 F-550213.02/.08/.09/.11 6 Grooves M16	Renault Clio III 1.5 DCI, -Grandtour Megane II 1.5 DCI, -Cabrio, -Grandtour -Hatchback Modus 1.5 DCI Scenic 1.5 DCI Twingo II 1.5 DCI	0 124 425 037,071 525 081,082,139,140 E6 120A, E8 150A, M6E 150A 8200 390 667,675,676 660 033,034 728 292
3 5341 1	Bosch INA -----	F 00M 991 220 F-550371 /.01 6 Grooves M16	GM Buick Regal 3.5 I V6	
3 5342 1	Bosch INA -----	F 00M 991 229 F-550213.06 6 Grooves M16	Renault	0 124 525 096 8200 459 716
3 5343 1	Bosch VW INA -----	F 00M 991 218,234 F 00M 991 285,286 F 00M 147 808 07K 903 119 F-240138 /.01/.02/.03 F-551357 /.01 5 Grooves M16	VW	0 124 525 095,102,103 E8 140A
3 5344 1	Bosch Valeo VW INA -----	F 00M 991 247,287 F 00M 147 876 2604787 045 903 119, -A F-551406.01/.02 6 Grooves M16	SEAT Cordoba 1.4 TDI Ibiza 1.4 TDI, -1.9 TDI Skoda Fabia, -Combi 1.4 TDI Roomster 1.4 TDI VW Polo, -Classic 1.4 TDI	0 121 715 042,049 0 124 315 037 325 141,142 KCB1 70/90A / E8 140A 14M2.5 110/180A 03C 903 023 B 03G 903 016L 03G 903 023 F 045 903 023 C,D,H
3 5345 1	Valeo DB INA	593618, 593930 640 150 03 60 640 150 04 60 640 150 05 60 668 155 02 15 688 155 06 15 F-232030.02 /.05/.06/.07/.09/ /.10/.11/.12 F-239809.02 /.03 F-553857.01 /.02/.03 5 Grooves M16	DB A160 CDI A170 CDI Vaneo	SG15L012,-L026 437415, 439455 668 154 01 02 668 154 02 02 668 154 03 02 012 154 01 02 A6401540202 2542771B



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5346 1	BMW 12 31 786 2217 INA F-550395 /.01/.02 -----	17 / 57.6 x 32.3 4 Grooves M16 w/o. dust cap	BMW Motorcycle 1100 ccm K25,26,27,28	12 31 7 676 907
3 5347 1	Valeo 595210 INA F-550181.03 F-557755 -----	17 / 59 x 42.5 6 Grooves M16 Replacement for 3 5303 1 Rubber Clutch Pulley	Nissan Micra 1.5 D Renault Megane 1.5 D	
3 5348 1	Valeo 595239 DB 642 150 07 60 INA F-551657.01/.02/.03/.04/.05 -----	17 / 55 x 52.3 8 Grooves M16	Mercedes	
3 5349 1	Hitachi GD2 18964 INA F-550879 /.01 -----	17 / 59 x 41.5 7 Grooves M16		
3 5351 1	Hitachi GD2 18509 INA F-551034 /.01 -----	17 / 54 x 40.3 6 Grooves M16		
3 5352 1	Hitachi GD2 18752 INA F-551759 /.01 -----	17 / 59 x 42.2 7 Grooves M16		
3 5353 1	Melco Mazda RF5C-18-330 INA F-236001/.01 -----	17 / 65 x 39 8 Grooves M17	Mitsubishi Mazda 6 2.0 Diesel	A003TB4981 RF5C-18-300 90A
3 5354 1	Visteon VP2M5U-10A352-AA VP6S4U-10A352-AA INA F-235931 /.02 -----	17 / 62 x 37 6 Grooves M16	Ford	
3 5355 1	Denso FIAT 021040-1400 773 641 48 INA F-239912.01/.02/.03	17 / 65.5 x 37.5 5 Grooves M14	FIAT 2.4 JTD Alfa 2.4 JTD KIA, Hyundai	50500728



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5356 1	Denso 081020-0010 Hyundai 5-021040-108 INA F-233106.1/.2/.03/.04/.0 -----	17 / 65.5 x 38.47 6 Grooves M14	Hyundai	100213-2990
3 5357 1	Denso 121041-1140 FIAT 773 639 48 INA F-238822 /.01 -----	17 / 58 x 40.9 6 Grooves M17	FIAT, Lancia 2.4 JTD VM Motori	51727338 51727339
3 5358 1	Melco A252C54375 INA F-550379.02 -----	17 / 59.7 x 44.8 6 Grooves M16	Renault Clio,Kangoo,Twingo 1.5 Diesel	
3 5359 1	Visteon VP2C1U-10A352-AA Y1CU-10352-BA INA F-558404 -----	17 / 64 x 38.7 7 Grooves M16	replaced by LITENS IDP	3 3588 1
3 5360 1	John Deere AL111675 AL158161 AL161112 AL166645 AL166646 AL166835 AL166836 AL171541 INA F-233379 /.01/.02 -----	17 / 61 x 38.7 8 Grooves M16	John Deere Tractor 6020,6029 4/6 cyl.	90 /115 /150A
3 5362 1	Denso Italy 8362516 FIAT 9949129 Opel 1204413 VM Motori MSY83625-1600 INA F-554053.01/.02 -----	17 / 65.5 x 40.4 6 Grooves M17 long version	same application as 3 3540 1 to be used w/o. distance-ring	467 744 30 467 822 13 468 090 68 735 015 91 735 032 35
3 5366 1	Valeo 593977 DB 266 155 01 15 INA F-238419.02 F-239973 /.01/.02/.04 -----	17 / 52 x 36.5 5 Grooves M16	Mercedes A 150,170,200 B 150,170,200	DB 266 154 09 02 115A TG11C021,-035
3 5369 1	Bosch F 00M 991 248 F 00M 147 878 INA F-553448 -----	17 / 53.4 x 34.5 6 Grooves M16		0 124 525 100 LIE8 150A



FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5373 1	Denso MS121041-1440	17 / 58.2 x 39.8	FIAT Fire 1.4	
	INA F-558432.02	5 Grooves M17		
3 5374 1	Valeo DB 642 150 06 60 INA F-239808.01 / .02 / .03 F-239808.04 / .05	17 / 55.1 x 49.1 7 Grooves M16	Mercedes	
				
3 5376 1	Mitsubishi A252C52775 JK58A01635A INA F-550426	17 / 59 x 37.3 6 Grooves M17	Citroen C5 2.0 Diesel Turbo HDI	A004TJ0084, -B 180A
				
3 5380 1	Bosch Opel INA F 00M 991 246 55 558 734 F-552861	17 / 61 x 37.7 5 Grooves M16	Opel Signum 2.0 Turbo	0 124 425 048,061 E6 120A, M6E 125A 13 229 989 55 559 583 93 186 763, 93 190 894
		Replacement for LITENS 3 3572 1		
3 5381 1	Bosch GM INA F 00M 991 251 F-553322 / .01	17 / 59.1 x 40.2 5 Grooves M16	Opel Astra 1.6 Turbo, -Caravan 1.6i Twin Top Turbo Cabrio Corsa 1.6i OPC, -Turbo	0 124 425 060 M6E 120A 93188158 13 222 933 62 04 218
				
3 5384 1	Bosch FIAT Ford INA F 00M 391 107,118 F 00M 391 120 773 640 82 F-554766 / .01	17 / 64 x 38 6 Grooves M16	Citroen Jumper 2.2 HDI Ford Transit 2.2 TDCI Transit Euroline, -Nugget, -Tourneyo Peugeot Boxer 2.2 HDI	0 120 000 024 0 121 615 002 H7P 150A
				
3 5385 1	Bosch INA F 00M 391 124 F-557564	17 / 61 x 36 5 Grooves M16	Volvo C30 2.4i, -D5, -T5 C70 II 2.4D Cabrio, -D5 Cabrio S40 II 2.4, -2.4i, -2.5 T5, -AWD, -D5 V50 2.4, -2.4i, -D5, -T5, -AWD	0 121 615 014 H7P 150A 30773111 36000207
				



3 5389 1

FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5386 1	Bosch F 00M 349 824 F 00M 391 158 F 00M 991 260 0 121 C00 401 BMW 12 31 7 560 678 INA F-554007.02 / .03	17 / 53.3 x 36 7 Grooves M16	BMW 116i, 118i, -Cabrio 120i, -Cabrio, 135i Coupe 316i, -Coupe, 318i, -Touring 320i, -Cabrio, -Coupe, -Touring 335i, -Cabrio, -Coupe, -Touring 335xi, -Coupe, -Touring 520i, -Touring 535i, 535xi, -Touring X5 3.0 si	0 120 000 027,031 0 121 715 016-018 H8P 180A 12 31 7 550 469 12 31 7 558 219 12 31 7 985,986
	-----			
3 5387 1	Bosch F 00M 391 140 F 00M 349 870 BMW 12 31 7 575 518 PSA INA F-560565	17 / 55 x 40 6 Grooves M16	BMW Mini Cooper, -Clubman, -S, S-Clubman JCW, -Clubman One 1.4i Peugeot 207 1.6i, -RC, -SW RC, 207 CC 1.6i	0 121 615 027 H7P 151A 12 31 7 575 650,872,873 12 31 7 576 550 5705 KF V7 577 12180
	-----			
Replacement for solid Pulley F 00M 349 859				
3 5388 1	Dayco FIAT / IVECO TA436 504 0887 96 PSA 574087 INA F-550532/ .01	17 / 59 x 40 6 Grooves M16	FIAT Daily 35 C 14,15,17,18 35 S 14,15,17,18 40 C 14,15,17,18 45 C 15,18 50 C 14,15,17,18 55 S 18 60 C 15,18 65 C 14,15,17,18 Ducato 11, 15, 17 3.0JTD Maxi 17, 20 3.0 JTD	0 124 525 064,125 504 0578 13 504 2041 73
	-----			
3 5389 1	Mazda RF6C-18-330 RF6C-18-W11 INA F-238823.04	17 / 65 x 47.3 2 x 4 Grooves M17		
	-----			
3 5390 1	Denso FIAT 555 1682 80 GM 93185282/ 93192215 Opel 6204229/ 6204286 INA F-557928	17 / 59 x 41.1 6 Grooves M17	Replacement for LITENS 3 3596 1	
				



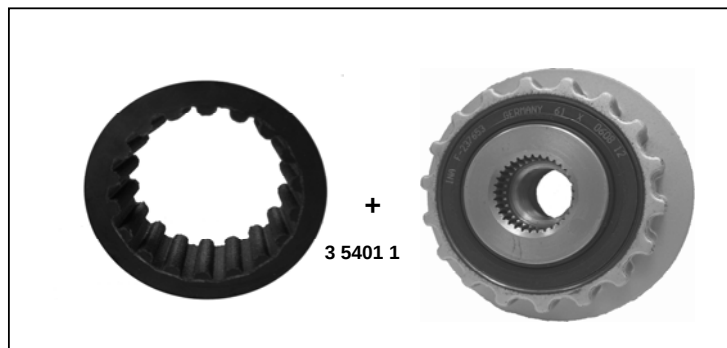
FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5391 1	Valeo 2604126 2604640 DB INA 646 155 01 15 F-552901.02 /.03	17 / 55 x 47.5 6 Grooves M16	DB Sprinter II, Vaneo, Vito	439585,439619 440057 646 154 01 02 646 154 08 02 646 154 09 02 646 154 11 02
	-----			
3 5392 1	Valeo DB INA 595258 271 155 02 15 F-557311 /.01	17 / 60 x 51.3 7 Grooves M16		440127,4401 271 154 14 02 271 154 15 02
	-----			
3 5393 1	Bosch INA F 00M 991 192 F-563432	17 / 61 x 36.5 7 Grooves M16	Ford Transit	
	-----			
3 5394 1	Denso Toyota INA 101211-4720 104210-9011 27060-0L010 27060-0L021 F-567525	17 / 65 x 41.2 7 Grooves M14	Toyota Avensis 1.8/1.9 D	
	-----			
3 5395 1	Denso Toyota NTN INA 101211-5660 27060-33020 DJA 1893 IR F-568860	15 / 66.4 x 39.9 5 Grooves M14	Toyota Yaris 1.4 Yaris Verso 1.4	
	-----			
3 5396 1	Denso Ford Volvo NTN INA 104210-3511,3512 1024210-3521,3522 8666579 DCA 1834 IR F-568861	17 / 59 x 43 6 Grooves M14	Ford C-Max 1.6 TDCi Fiesta 1.6 TDCi Focus 1.6 /2.0 TDCi Fusion 1.6 TDCi Mazda 3 1.6 TD	1229258 3M5T-10300-PB,-PC 30667067
	-----			

Replacement for NTN - Type



3 5400 1

3 5318 1

FREILAUF ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE OVERRUNNING ALTERNATOR PULLEYS WITH PROTECTION COVER



OAP`S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5397 1	Denso	17 / 53.1 x 44.4	Ford C-Max 2.0 Focus 1.8	104210-3761 104210-3821
	Ford Koyo INA ----- WCPN36RC-X F-570680	6 Grooves M14 Replacement for Koyo - Type		
3 5400 1	VW	070 903 327 C 62.2 / 78.5 x 35	Eurogrip-Coupling fits Bosch Pulley F 00M 391 119 fits Bosch Pulley F 00M 991 300	IKA No. 3 5407 1 IKA No. 3 5318 1
	-----			
3 5401 1	Bosch VW	F 00M 991 300 070 903 201 C w/o. dust cap	VW California T5 2.5TDI,-4 Motion Caravelle T5 2.5 TDI,-4 Motion Multivan T5 2.5 TDI,-4 Motion Touareg 2.5 TDI Transporter T5 2.5 TDI,-4 Motion Climate Compressor 2.5 l Model AXD,AXE,BLJ	0 124 615 031 625 013,018 NCB2 150A, P10 180A 070 903 024,A,B 3D0 820 805E 740 820 805E,F
	Pulley Kit: INA Pulley 3 5318 1 with Eurogrip Coupling 3 5400 1 -----			
3 5403 1	Marelli FIAT INA	8362397 55196301 F-230866.08 /.09 6 Grooves M17	Alfa 2.4 JTD FIAT 2.4 JTD Opel 2.4 JTD Saab 2.4 JTD	
	----- alternative product for 3 5315 1		long version of 3 5400 1	
3 5410 1	Bosch INA	F 00M 147 999 F 00M 991 172 F 232369.2/.03/.06/.09 6 Grooves M17	Citroen C5 2.0/2.2 HDi,-Break C8 2.0/2.2 HDi Evasion 2.0 HDi Jumper/Jumpy 2.0 HDi Peugeot 206 2.0 HDi, -SW 307 2.0 HDi,-Break/SW 406 20/2.2 HDi,-Break,-Coupe 607 2.0/2.2 HDi 806 2.0 HDi, 807 2.0/2.2 HDi Boxer/Expert 2.0 HDi	0 124 615 027 NCB2 150A PSA 57055 AA 96 408 787
	-----		short version of 3 5373 1	
3 5411 1	Mitsubishi INA	A252C64FE F-525386.01 7 Grooves M17	Nissan Navarra Pickup 2.5 Diesel	23100-EB31B 150A
				



IDP-Technology



3 3593 1



3 3598 0

ENTKOPPLER ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE ISOLATOR DECOUPLER PULLEYS WITH PROTECTION COVER



IDP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3562 1	Bosch F 00M 991 078 F 00M 991 116 F 00M 991 192 Ford YC1T-10A352-AC YC1U-10A352-BA Litens 920574	17 / 61.5 x 69 7 Grooves M16	Ford Transit 2.4 Diesel FT 260 K/S, FT 280 L,M,S FT 300 S, FT 310 S FT 330 K/S, L,M,S FT 350 EL,L,M FT 430 EL,M	0 124 315 019,027 325 100 E4 110A YC1T-10300-BC,BD,BE,BG -BH,BJ 2C1T-10300-BA 409 8414, 446 1712
alternative product 3 5393 1 INA				
3 3571 1	Bosch F 00M 991 076 F 00M 991 128 GM 09 195 337 93 170 214 Opel 1204376 Litens 920501	17 / 58.2 x 43 5 Grooves M16	Opel Astra 1.4i -2.0i, -Cabrio,-Caravan Corsa 1.4i /1.8i 16V Signum 1.8i Vectra 1.6i /1.8i,-Caravan Zafira 1.6i /1.8i	0 124 515 031 NCB1 120A 09 195 336 91 73572 91 95336
3 3572 1	Bosch GM F 00M 991 139 93 172 295 Scania 12786853 Litens 920629	17 / 60 x 42.8 5 Grooves M16 w/o. dust cap	Opel Signum 2.0 /2.2.-Turbo,-Direct Vectra 2.0, 2.2, 2.2i, -Turbo, -Direct, -Estate Saab 9-3 1.8t,-Cabriolet 2.0 T Aero, -Cabriolet, -Sport	0 124 415 026 425 033,040 515 096 525 017 E6 120A, E8 140A
alternative product 3 5380 1 INA				
3 3588 1	Ford YP2C-10A352-AA YC1U-10A352-BB Litens 920583	17 / 61.5 x 79 7 Grooves M16	Ford Transit 2.4 Diesel Motocraft Version	YC1U-10300-DA,DB,EA Visteon Model RC 28
replaces 3 5359 1 INA				
3 3592 1	Bosch Opel Litens F 00M 991 210 55 352 897 920755	17 / 60 x 43 5 Grooves M16	Opel Astra 2.0 GTC Turbo 2.0 Turbo,-Caravan 2.0i Turbo Twin Top Cabrio Zafira 2.0i Turbo	0 124 425 015 M6E 120A 13 156 054 93 180 419
3 3593 1	Ford 1S4Q-10C382-AD 5M5Q-10C382-AA 5M5Q-10D310-AA,AB Litens 920606	Shaft Decoupler Assy. complete w. INA Pulley M17	Ford Fiesta / Focus 1.8 Diesel Galaxy 1.8 TDCi Mondeo IV 1.8 TDCi, -TDCiT S-Max 1.8 TDCi	5MQ-10344-AA 98FF-10C382-BF 0 121 615 008 H7P 156A
3 3594 1	Denso 021040-1450 104210-4240 Litens 920720	17 / 63 x 45.2 6 Grooves M14	Chrysler Jeep Liberty KJ 2.5 Diesel DOHC Jeep Cherokee 2.8 Diesel	TN121000-3841,-3842,-3843, -4390 104210-4240,-4240,-4241 421000-0081
3 3598 0	Bosch F 00M 391 115		Pulley Retainer for Ford Shaft Decoupler	3 3593 1





ENTKOPPLER ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE ISOLATOR DECOUPLER PULLEYS WITH PROTECTION COVER



IDP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 3595 1	Denso Litens 021040-1241 920752	17 / 63 x 51.8 6 Grooves M14	Jaguar S-Type 2.7 TTD Ford Lion 2.7 V6 DOHC	104210-3720 4R83-10300-AB C2C20533
3 3596 1	Denso Litens MS121041-0580 920789	17 / 55.5 x 50.9 6 Grooves M17	FIAT 1.25 JTD 4 cyl.	A115 2542850A
		alternative product	3 5390 1 INA	
3 5301 1	Valeo Opel Suzuki Litens 593891 55 186 280 437504 920693	17 / 55.5 x 50.4 6 Grooves M16	Opel 1.25 Diesel 4 cyl. Corsa	TG8S013,-S016 TG9S015,021,022 2542851 437504
		alternative product	3 3580 1 INA	
3 5325 1	Bosch FIAT Litens F 00M 991 240 77363565 920796	17 / 60 x 43 5 Grooves M16	Alfa 159 1.9/ 2.2 JTS 159 SW 1.9/ 2.2 JTS Brera 2.2 JTS Spider 2.2 JTS	0 124 425 041 E6 120A FIAT 60694260
3 5361 1	Bosch Litens F 00M 991 238 920801	17 / 58 x 45 6 Grooves M16	Opel Signum 2.8 V6 Turbo,-Turbo,-Caravan 2.8 GTS Turbo Saab 9-3 2.8 Turbo V6, -Cabriolet 2.8T Kombi Sport	0 124 525 097 E8 155A Opel 12 799 630 93 187 415 Scania 12799630
3 5363 1	Bosch Litens F 00M 991 241 920797	17 / 63.7 x 45.3 6 Grooves M16	GM 3.9 LZ8 V6 DOD	0 124 425 049 E6 125A
3 5364 1	Denso -1042 TN021040-1180 Chrysler Litens 04861 513 AB,-AC,-AD 920599	17 / 64 x 51 6 Grooves M14 w/o. dust cap	Chrysler Minivan 2.5 Diesel	04861 513 AD 04868 429 AC, -AD 421000-0081-84
3 5365 1	Bosch Opel Litens F 00M 991 289 12 770 125 920850	17 / 55.5 x 63.5 6 Grooves M16	Opel Family III Saab 9-5 2.0/ 2.3 Turbo	0 124 525 143 E8 140A 12 770 124
3 5367 1	Bosch F 00M 391 100 F 00M 391 135 F 00M 349 860 Citroen Peugeot Litens 96 534 590 5705 CJ 920731	17 / 63 x 49.3 6 Grooves M16	Citroen C6 2.7 HDI Peugeot 407 2.7 HDI Coupè 607 2.7 HDI	0 121 715 001 H8P(R) 180A LI-X M2.5 180A



3 5372 1



3 5402 1



ENTKOPPLER ALTERNATOR RIEMENSCHLEIBEN MIT SCHUTZKAPPE ISOLATOR DECOUPLER PULLEYS WITH PROTECTION COVER



IDP'S

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5371 1	Ford Volvo Litens ----- 	10.75-17 / 67 x 53 6 Grooves	Volvo XC70 3.2 V70 3.2, -T6 3.0 Turbo	
3 5372 1	Bosch Ford Volvo Litens ----- 	17 / 68 x 51 M16 fits Eurogrip Coupling	Ford Galaxy 2.0 TDCI S-Max 2.0 TDCI Volvo S80 II 3.2, -AWD, -T6 AWD V70 III 3.2, -AWD, -T6 AWD XC70 II 3.2 XC90 3.2, -AWD	0 121 715 009 H8P 180A 6G9N-10300-MA,XC 1387927 31110085, 36000209
3 5377 1	Denso Chrysler Toyota Litens ----- 	021010-1440 04861 506 AE,-AG 27415-0T010 920685 920834 6 Grooves M14	Chrysler Minivan RS/CS 3.3/3.8 I Pacifica V6 3.5 I Voyager, Town&Country Dodge Caravan Toyota Corolla 1.8 I Matrix 1.8 I	421000-0021 SC1/SC2 04868 430, 431 all levels Toyota ZZ World Engine
3 5378 1	Denso Toyota Litens ----- 	104210-4880 27415-0W04000 920802 7 Grooves M14	Toyota Camry 2.4 I Highlander 2.4 I	Toyota AZ World Engine
3 5402 1	Ford Litens ----- 	1079392 1334133, 1488368 98FF-10C382-BC,-BF,-BG,BH 920476 with solid pulley 6 Grooves	Ford 1.8 TDDi	Marelli A111 70A
3 5404 1	Bosch GM Litens ----- 	F 00M 147 854 F 00M 991 281 F 00M 992 725 5556 4350 5557 1966 920856 6 Grooves M16	Opel Astra , -Caravan, -Twin Top 1.9 CDTI Signum 1.9 CDTI Vectra, -Caravan, -GTS 1.9 CDTI Zafira 1.9 CDTI	0 124 325 172,221 425 058,059,096,097 E4 100A E6 120,140A Opel 13229990-13229992 93191921,93191922
3 5406 1	Bosch VW Litens ----- 	F 00M 147 910 F 00M 991 277 6 Grooves M16	Audi A4 1.8 TFSI A5 1.8 TFSI Coupe A5 2.0 FSI Coupe Q5 2.0 TFSI	0 124 525 113 E8 140A 06H 903 016 L, -LX
3 5412 1	Mitsubishi Chrysler Litens ----- 	A252C542IC A252C551IC 047891737AA 920810 6 Grooves M17	Chrysler Sebring, Caliber Jeep Patriot, Compass 1.8, 2.0, 2.4I, -Turbo	A2TJ0481 04801323AB, -AC, AD 04801477AA 04811490AA



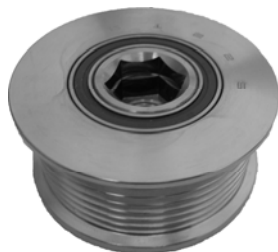
3 5303 1, 3 5316 1

ALTERNATOR RIEMENSCHIEBEN RUBBER CLUTCH PULLEYS

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.	
3 5303 1	Valeo	593610	17 / 78.6 x 40.2	Dacia Logan 1.4/ 1.6	SG9B033
	Renault	7700 110 616	6 Grooves	Renault Clio II 1.4i 16V, 1.6i,-16V, 1.5 DCI	SG10B016,-B020
		7701 477 689		Kangoo 1.4i/ 1.6i,-Express/Rapid	2542420
	Bosch	F 00M 991 054		Laguna I 1.6i 16V,-Grandtour	0 124 325 024,031,184,185
	Nissan		Megane 1.416V, -1.4i Classic,-Coupe	415 013,014,040	
	Toyota		1.5 DCI, 1.6i 16V, -Cabrio	525 028	
			1.6 Classic,-Coupè,-Grandt.	KCB1/2 87-98A	
			Scenic 1.4 16V,1.4i/ 1.6i, 1.5 DCI	7700 421 477	
			Symbol 1.4i 16V	427 932	
			Thalia II 1.4i 16, 1.5 DC, 1.6i	429 217,310	
				434 899,900	
				7701 473 636,637	
				713 149	
				8200 692 865,866	
				Nissan 23100-00QBB	
			Toyota 27030-165FL		

3 5315 1	Fiat	46441617	17 / 61.9 x 52.3	Fiat 2.4 TD	633 212 31,45
	Marelli	85561381	6 Grooves	cancelled	213 15,95
					214 12,97
		218 04,26			

			alternative product	3 5403 1	INA
3 5316 1	Renault	8200 113 636	17 / 61 x 37.6	Nissan Micra 1.5 Diesel	8200 120 286
				Renault Clio II+III	373 636
	Mitsubishi	A660C300EX	5 Grooves	Megane II+III	A002TB6481
	Nissan			Scenic II	SG12B038
	Valeo				2542470
			alternative product	3 3548 1	INA



3 5407 1

3 5400 1

FREILAUF RIEMENSCHLEIBEN JAPANISCHE AUSFÜHRUNG

FREE WHEEL PULLEYS JAPANESE STYLE

IKA-No.	Original-Ref.	Dimensions	Application	Unit-No.
3 5379 1	Denso Toyota	021040-1070 27415-30020	15 / 63 x 41.4	102211-2810
		7 Grooves		
3 5382 1	Denso Toyota	27060-30080 27415-30010	17 / 63 x 41.4	104210-4450
		7 Grooves		
3 5383 1	Mitsubishi	A628X91871	17 / 55.5 x 34.2	A003TA6581A
		1 Groove V-Belt		
3 5407 1	Bosch VW NSK	F 00M 391 119 070 903 201 E 4 DFB 503 220	17 / 67 x 33.6	VW California T5 2.5TDI,-4 Motion Caravelle T5 2.5 TDI,-4 Motion Multivan T5 2.5 TDI,-4 Motion Touareg 2.5 TDI Transporter T5 2.5 TDI,-4 Motion
		no Groove		0 121 615 013,025,026,029 715 004,033 070 903 024 B,-F,-G,-H H7P 150A, H8P 180A
	latest model Replacement for INA 3 5318 1		Climate Compressor 2.5 l Model AXD,AXE,BLJ	3D0 820 805E 740 820 805E,F
3 5408 1	Bosch VW	F 00M 391 119 070 903 201 E	17 / 67 x 33.6	Pulley Kit: NSK Pulley 3 5407 1 Eurogrip Coupling 3 5400 1
	latest model Replacement for INA 3 5401 1			

**3 3550 0****3 3551 0, 3 3553 0****3 3552 0****3 3554 0****3 3597 0****3 3599 0**

FREILAUF RIEMENSCHLEIBEN OVERRUNNING PULLEYS

SCHUTZKAPPEN COVERS / DUST CAPS

IKA-No.	Original-Ref.	Description	Application
3 3550 0	Bosch Valeo INA -----	Pulley-Cover Dust Cap	for IKA-No. 3 3515 1, 3 3518 1, 3 3540 1, 3 3548 1, 3 3564 1 3 3577 1, 3 3583 1, 3 5343 1, 3 5353 1, 3 5356 1 3 5362 1
3 3551 0	Bosch Valeo INA -----	Pulley-Cover Dust Cap interchangeable with 3 3554 0	for IKA-No. 3 3516 1, 3 3517 1, 3 3520 1, 3 3522 1 3 3525 1- 3 3528 1, 3 3533 1, 3 3534 1, 3 3537 1 3 3539 1, 3 3541 1, 3 3542 1, 3 3545 1- 3 3547 1 3 3549 1, 3 3556 1, 3 3558 1, 3 3560 1, 3 3561 1 3 3563 1, 3 3565 1, 3 3568 1, 3 3569 1, 3 3574 1 3 3576 1, 3 3579 1- 3 3581 1, 3 3582 1, 3 3584 1 3 3586 1, 3 3590 1, 3 3591 1, 3 5302 1, 3 5307 1 3 5311 1, 3 5313 1, 3 5317 1, 3 5319 1, 3 5320 1 3 5328 1, 3 5331 1, 3 5333 1
3 3552 0	Valeo INA -----	Pulley-Cover Dust Cap	for IKA-No. 3 3524 1, 3 3543 1
3 3553 0	Bosch Valeo INA -----	Pulley-Cover Dust Cap	for IKA-No. 3 3555 1
3 3554 0	Bosch Delco INA -----	Pulley Cover Dust Cap interchangeable with 3 3551 0	for IKA-No. 3 3529 1, 3 3531 1, 3 3532 1, 3 3557 1 3 3573 1, 3 3589 1, 3 5309 1, 3 5310 1 3 5312 1, 3 5314 1, 3 5323 1, 3 5326 1 3 5332 1, 3 5338 1
3 3597 0	Bosch Denso Opel Ford Visteon -----	Pulley-Cover Dust Cap	for IKA-No. 3 3588 1, 3 3592 1, 3 3594 1 -3 3596 1 3 5301 1, 3 5325 1, 3 5361 1, 3 5372 1
3 3599 0	Bosch -----	Pulley Cover Dust Cap	for IKA-No. 3 3562 1



3 5322 0



3 5350 0



3 5398 0

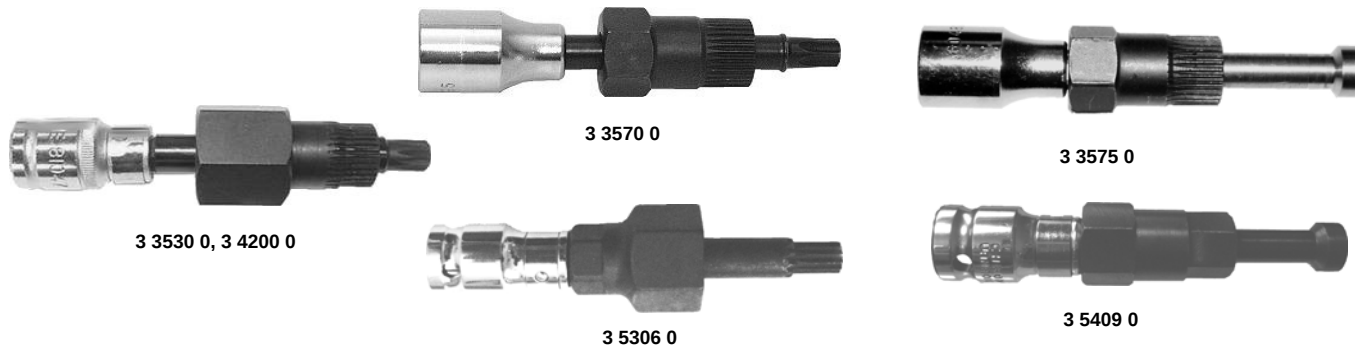


3 5405 0

FREILAUF RIEMENSCHLEIBEN OVERRUNNING PULLEYS

SCHUTZKAPPEN COVERS / DUST CAPS

IKA-No.	Original-Ref.	Description	Application
3 5322 0	Bosch Opel -----	Pulley Cover Dust Cap	for IKA-No. 3 3571 1
3 5350 0	Bosch -----	Pulley Cover Dust Cap	for IKA-No. 3 5363 1, 3 5365 1, 3 5377 1, 3 5378 1
3 5398 0	Ford Visteon Volvo  -----	Pulley Cover Dust Cap	for IKA No. 3 5371 1
3 5405 0	Bosch Opel 	Pulley Cover Dust Cap	for IKA No. 3 5404 1



FREILAUF RIEMENSCHLEIBEN OVERRUNNING PULLEYS

KOMBI-WERKZEUGE COMBITOOLS

IKA-No.	Original-Ref.	Description	Application
3 3530 0	Bosch	Pulley Combitool Shaft 114 mm	for assembly of INA Types BOSCH Application long shaft and RotoRx® Decoupler Pulleys 3 3562 1, 3 3571 1 3 3572 1, 3 3588 1 3 3593 1- 3 3596 1 3 5301 1, 3 5363 1 3 5332 1, 3 5364 1 3 5367 1,

3 3570 0	Valeo	Pulley Combitool	for assembly of INA Types VALEO Application 3 3533 1, 3 3541 1 3 3543 1

3 3575 0	Denso	Pulley Combitool	for assembly of INA Types DENSO Application (VOLVO) 3 3539 1

3 5306 0	Renault	Pulley Combitool	for assembly of Rubber Clutch Pulley 3 5303 1

3 4200 0	Bosch Valeo	Pulley Combitool Shaft 74 mm	for assembly of INA Types BOSCH and VALEO Application short shaft

3 4201 0	Bosch	Pulley Combitool	for assembly of RotoRx® Decoupler Pulleys 3 3592 1, 3 5325 1 3 5361 1, 3 5365 1

3 5409 0	Mitsubishi	Pulley Combitool	for assembly of DENSO Types japanese Application 3 5379 1, 3 5382 1 3 5383 1



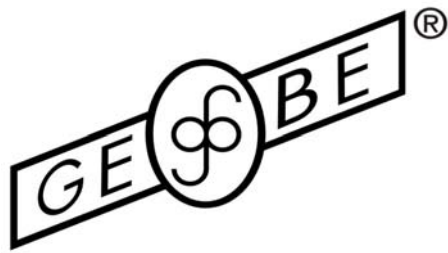
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KUGELLAGER

BEARINGS

ROULEMENTS







STANDARD KUGELLAGER

NTN

STANDARD BEARINGS

Specification	Dimensions	IKA-No.	Specification	Dimensions	IKA-No.
6000 2RSC3 / LLUC3	10 / 26 x 8 mm	8 8210 0	6303 2RSC3 / LLUC3	17 / 47 x 14 mm	8 8158 0
6000 ZSC3	10 / 26 x 8 mm	8 8123 0	6303 ZSC3	17 / 47 x 14 mm	8 8399 0
6001 2RSC3 / LLUC3	12 / 28 x 8 mm	8 8143 0	6304 2RSC3	20 / 52 x 15 mm	8 8142 0
6002 2RSC3 / LLUC3	15 / 32 x 9 mm	8 8144 0	6304 ZSC3	20 / 52 x 15 mm	8 8238 0
6003 2RSC3 / LLUC3	17 / 35 x 10 mm	8 8213 0	6305 2RSC3	25 / 62 x 17 mm	8 8239 0
6004 2RSC3 / LLUC3	20 / 42 x 12 mm	8 8214 0	6306 2RSC3 / LLUC3	30 / 72 x 19 mm	8 8241 0
6005 2RSC3 / LLUC3	25 / 47 x 12 mm	8 8215 0	6307 2RSC3	35 / 80 x 21 mm	8 8243 0
6006 2RSC3 / LLUC3	30 / 55 x 13 mm	8 8216 0	6308 2RSC3	40 / 90 x 23 mm	8 8244 0
6008 2RSC3 / LLUC3	40 / 68 x 15 mm	8 8218 0	6309 2RSC3	45 / 100 x 25 mm	8 8245 0
6200 2RSC3 / LLUC3	10 / 30 x 9 mm	8 8156 0	6310 2RSC3	50 / 110 x 27 mm	8 8246 0
6200 ZSC3	10 / 30 x 9 mm	8 8398 0	6311 2RSC3	55 / 120 x 29 mm	8 8247 0
6201 2RSC3 / LLUC3	12 / 32 x 10 mm	8 8120 0			
6201 ZSC3	12 / 32 x 10 mm	8 8221 0			
6202 2RSC3 / LLUC3	15 / 35 x 11 mm	8 8157 0			
6202 ZSC3	15 / 35 x 11 mm	8 8125 0			
6203 2RSC3 / LLUC3	17 / 40 x 12 mm	8 8119 0			
6203 ZSC3	17 / 40 x 12 mm	8 8489 0			
6204 2RSC3 / LLUC3	20 / 47 x 14 mm	8 8222 0			
6205 2RSC3 / LLUC3	25 / 52 x 15 mm	8 8224 0			
6206 2RSC3 / LLUC3	30 / 62 x 16 mm	8 8226 0			
6207 2RSC3	35 / 72 x 17 mm	8 8227 0			
6208 2RSC3	40 / 80 x 18 mm	8 8228 0			
6300 2RSC3 / LLUC3	10 / 35 x 11 mm	8 8235 0			
6301 2RSC3 / LLUC3	12 / 37 x 12 mm	8 8145 0			
6302 2RSC3 / LLUC3	15 / 42 x 13 mm	8 8236 0			
6302 ZSC3	15 / 42 x 13 mm	8 8237 0			



STANDARDKUGELLAGER

STANDARD BEARINGS

SKF

Specification	Dimensions	IKA-No.
607 2RS1/ H	7 / 19 x 6 mm VPE 1	5 8148 7
608 2RS1/H	8 / 22 x 7 mm VPE 300	5 8263 7
608 2Z	8 / 22 x 7 mm VPE 300	5 8147 7
609 2RS1/ H	9 / 24 x 7 mm VPE 1	5 8153 7
626 2RS1/ H	6 / 19 x 6 mm VPE 210	5 8186 7
627 2RS1 /H	7 / 22 x 7 mm VPE 1	5 8155 7
629 2RS1 /H	9 / 26 x 8 mm VPE 350	5 8187 7
6000 2RSH	10 / 26 x 8 mm VPE 350	5 8210 7
6001 2RSH	12 / 28 x 8 mm VPE 630	5 8143 7
6002 2RSH	15 / 32 x 9 mm VPE 432	5 8144 7
6003 2RSH	17 / 35 x 10 mm VPE 312	5 8213 7
6003 2Z	17 / 35 x 10 mm VPE 312	5 8124 7
6004 2RSH	20 / 42 x 12 mm VPE 182	5 8214 7
6005 2RSH	25 / 47 x 12 mm VPE 140	5 8215 7
6006 2RS1	30 / 55 x 13 mm VPE 90	5 8216 7
6200 2RSH	10 / 30 x 9 mm VPE 495	5 8156 7
6201 2RSH	12 / 32 x 10 mm VPE 384	5 8120 7
6202 2RSH	15 / 35 x 11 mm VPE 273	5 8157 7
6203 2RSH	17 / 40 x 12 mm VPE 210	5 8119 7
6204 2RSH	20 / 47 x 14 mm VPE 120	5 8222 7
6205 2RSH	25 / 52 x 15 mm VPE 85	5 8224 7
6206 2RSH /1	30 / 62 x 16 mm VPE 60	5 8226 7
6207 2RSH /1	35 / 72 x 17 mm VPE 32	5 8227 7
6302 2RSH	15 / 42 x 13 mm VPE 156	5 8236 7

Specification	Dimensions	IKA-No.
6303 2RSH	17 / 47 x 14 mm VPE 120	5 8158 7
6304 2RSH	20 / 52 x 15 mm VPE 85	5 8134 7
6305 2RSH /1	25 / 62 x 17 mm VPE 48	5 8239 7
6306 2RSH /1	30 / 72 x 19 mm VPE 32	5 8241 7
62000 2RS	10 / 26 x 10 mm VPE 1	8 8256 0
62201 2RS	12 / 32 x 14 mm VPE 1	8 8427 0
62202 2RS	15 / 35 x 14 mm VPE 1	8 8679 0
62302 2RSR	15 / 42 x 17 mm VPE 1	8 8258 0
62303 2RS1C3	17 / 47 x 19 mm VPE 1	8 8257 0
62304 2RSR	20 / 52 x 21 mm VPE 1	8 8137 0
62305 2RS1C3	25 / 62 x 24 mm VPE 1	8 8259 0
63001 2RS1C3	12 / 28 x 12 mm VPE 1	5 8551 7

VPE = Verpackungseinheit / Packing Unit



SPEZIAL KUGELLAGER

SPECIAL BEARINGS

BOSCH, FORD, DELCO, DENSO,

HITACHI

Specification	Dimensions	IKA-No.
BOSCH		
1 120 900 002	12 / 28 x 12 mm	8 8551 0
1 120 900 008	17 / 62 x 17,5 mm	8 8132 0
1 120 900 010	17 / 62 x 17,5 mm	8 8132 0
1 120 900 012	12 / 28 x 12 mm	8 8551 0
1 120 905 005	17 / 52 x 21 mm	8 8130 0
1 120 905 012	17 / 52 x 17 mm	8 8121 0
1 120 905 024	12 / 32 x 14 mm	8 8129 0
1 120 905 031	12 / 32 x 14 mm	8 8427 0
1 120 905 035	22 / 56 x 21 mm	8 8316 0
1 120 905 043	25 / 62 x 24 mm	8 8259 0
1 120 905 097	17 / 62 x 20 mm	8 8389 0
1 120 905 102	12 / 32 x 10 mm	8 8120 0
1 120 905 103	17 / 52 x 21 mm	8 8130 0
1 120 905 105	12 / 32 x 14 mm	8 8427 0
1 120 905 525	17 / 40 x 12 mm	8 8119 0
1 120 905 531	17 / 52 x 17 mm	8 8121 0
1 120 905 533	17 / 47 x 14 mm	8 8158 0
1 900 900 206	45 / 75 x 10 mm	8 8552 0
1 900 900 391	17 / 62 x 17 mm	8 8278 0
1 900 905 282	12 / 32 x 14 mm	8 8427 0
1 900 910 024	15 / 35 x 11 mm	8 8133 0
1 900 910 032	25 / 52 x 15 mm	8 8554 0
2 000 905 000	15 / 35 x 11 mm	8 8157 0
2 000 914 012	25 / 62 x 17 mm	8 8555 0
2 120 900 001	30 / 27 x 19 mm	8 8241 0
2 120 905 000	30 / 72 x 27 mm	8 8553 0
6 003 AC0 294	26 / 58 x 20 mm	8 8660 0
6 033 AC5 029	30 / 55 x 13 mm	8 8216 0
9 001 453 666	Bearing Kit	8 8663 1
F 00M 990 403	17 / 35 x 10 mm	8 8662 0
F 00M 990 405	17 / 35 x 10 mm	8 8662 0
F 00M 990 410	17 / 47 x 14 mm	8 8661 0
F 00M 990 411	17 / 47 x 14 mm	8 8661 0
F 00M 990 412	17 / 47 x 14 mm	8 8661 0
F 00M 990 418	17 / 35 x 10 mm	8 8662 0
F 00M 990 423	17 / 47 x 14 mm	8 8661 0
F 00M 990 710	17 / 47 x 14 mm	8 8661 0
FORD		
3G-Series DE	17 / 47 x 24 mm	8 8253 0
3G-Series S.R.E. 10474532	10 / 26 x 8 mm	8 8433 0
with 2 teflon rings	10 / 27 x 14 mm	8 8139 0
DELCO		
189711 - CS 144	10 / 26 x 8 mm	8 8433 0

Specification	Dimensions	IKA-No.
DENSO		
949100-1360 608 2RS	8 / 22 x 7 mm	8 8263 0
949100-2140	12 / 35 x 18 mm	8 8140 0
949100-2700 6304 2RSC3	20 / 52 x 15 mm	8 8134 0
949100-2790 -3980	15 / 35 x 13 mm	8 8545 0
949100-3170 90099-10154 (Toyota)	15 / 32 x 11 mm	8 8546 0
949100-3190 319	15 / 43 x 13 mm	8 8538 0
90099-10152 (Toyota)		
949100-3270	15 / 36 x 18 mm	8 8265 0
949100-3330 -4370	17 / 52 x 16 mm	8 8539 0
333		
949100-3360 -3450,-4620	15 / 46 x 14 mm	8 8540 0
336		
949100-3440	15 / 43 x 24 mm	8 8434 0
949100-3480	15 / 38 x 19 mm	8 8541 0
348		
949100-3820 -3821	15 / 52 x 16 mm	8 8141 0
6304B15W16 2RS		
949100-4130	15 / 32 x 9 mm	8 8144 0
949100-4840	8 / 28 x 9 mm	8 8670 0
HITACHI		
608 2RS1	8 / 22 x 7 mm	8 8263 0
2114-15502 23319-M4900 (Nissan)		
6004 2RS1	20 / 42 x 12 mm	8 8214 0
2114-45502 23363-M4900 (Nissan)		
6201 V B 12-57 with snapping	12 / 32 x 13 mm	8 8220 0
6202 LLBC3	15 / 35 x 11 mm	8 8666 0
6202 NC 23129-16A00 (Nissan)	15 / 35 x 11 mm	8 8138 0



SPEZIAL KUGELLAGER

SPECIAL BEARINGS

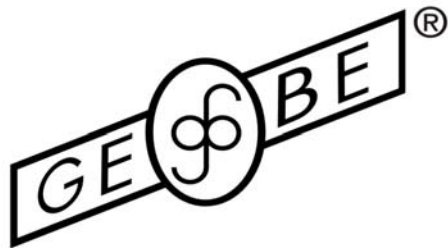
HITACHI, MARELLI, MITSUBISHI

Specification	Dimensions	IKA-No.	Specification	Dimensions	IKA-No.
HITACHI			MITSUBISHI		
6202 NCD B 15-69 23129-05E06 (Nissan)	15 / 35 x 13 mm	8 8135 0	B 17-102 DG S930P18870	17 / 47 x 14 mm	8 8692 0
6302 NC with snapping	15 / 42 x 13 mm	8 8169 0	B17-107 D S930P64470	17 / 47 x 18 mm	8 8682 0
6903 2RS1 2114-25502 23338-M4900 (Nissan)	17 / 30 x 7 mm	8 8260 0	B17-116 DG S930P80570	17 / 52 x 18 mm	8 8312 0
6904 2RS1 2114-35502 23358-M4900 (Nissan)	20 / 37 x 9 mm	8 8261 0	6004 DW (incl. bushing)	18.73 / 42 x 12 mm	8 8306 0
6905 2RS 2130-3302 23441-J5500 (Nissan)	25 / 42 x 9 mm	8 8262 0	6202 NC with snapping 6202 VVNCXCM	15 / 35 x 11 mm	8 8138 0
B 10-46 D 6900 BPL	10 / 23 x 11 mm	8 8685 0	6202 NCD with snapping B 15-69 D, T S930P18301, 18370 64301,64370	15 / 35 x 13 mm	8 8135 0
B 10-50 D 23120-58S01 (Nissan) -6000G,6000HC	10 / 27 x 11 mm	8 8687 0	6303 LH S930P63070 B 15-86 AT1 B 15-86 D B 15-86 W3	15 / 47 x 14 mm	8 8536 0
MARELLI			6904 DW 2RS (incl. bushing)	18.73 / 37 x 9 mm	8 8556 0
SKF BB1-3036 A115i, A127i (internal fan)	17 / 35 x 10 mm	8 8333 0	6904 DW ZZ (incl. bushing) for M3T19971	18.73 / 37 x 9 mm	8 8680 0
MITSUBISHI			6201 DW with snapping S930P61201 S210-24-523 (Mazda)	12 / 32 x 10 mm	8 8131 0
B 8-74 D with snapping S930P17170	8 / 22 x 11 mm	8 8691 0	S930P64570 with 2 teflon rings SC0081LHIA	10 / 27 x 14 mm	8 8139 0
B 8-79 D with snapping S930P17970	8 / 23 x 11 mm	8 8690 0	S930P64870 MD618338 2 B17-4 DG	17 / 47 x 24 mm	8 8253 0
B 8-85 D with 2 teflon rings S930P63670 SL8AD5LHI	8 / 23 x 14 mm	8 8254 0	6902 2RS1 Honda Gear Reduction Starters	15 x 28 x 7 mm	8 8255 0
B 8-85 D with snapping S930P18570	8 / 23 x 14 mm	8 8689 1	6906 2RS1 M1T60081, 60181, 60185, 60281, 60285, 60581, 61181	30 x 47 x 9 mm	8 8431 0
B 15-84 DW B 15-83 D S930P18470	15 / 47 x 18 mm	8 8686 0	6906 DW with 2 grooves inside M0T60081, 60181, 60281, 60285, 60381,	30 x 47 x 9 mm	8 8435 0
B 17-99	17 / 52 x 17 mm	8 8212 0			



SPECIAL BEARINGS MITSUBISHI, VALEO, POONG SUNG

Specification	Dimensions	IKA-No.
MITSUBISHI		
M410X14171 ME 701024 M2T57871, 57881, 61771, M2T67881-84, 67981 M3T61071	Bearing Set	8 8430 0
M690X00571 ME 701484 M8T55171, 80071, A M8T80171, 85071, A M8T85271, 87171, 87271	Bearing Set	8 8429 0
PARIS RHONE / VALEO		
für A11VI..., A13VI	15 / 32 x 11 mm	8 8546 0
102 130 für A13N33M,-34M,A14N47M	17 / 62 x 17 mm	8 8278 0
6203 LHA für A13VI	15 / 40 x 12 mm	8 8280 0
592905, 592936 A14VI	17 / 52 x 17 mm	8 8212 0
POONG SUNG		
02131-0940 	17 / 52 x 15 mm	8 8547 0



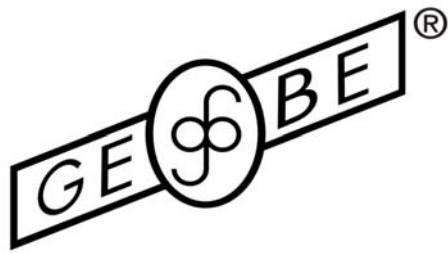
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ABDECKKAPPEN

COVERS

CAPOTS ALTERNATEURS







ABDECKKAPPEN COVERS

GENERATOR ALTERNATOR

IKA-No.	OE-Ref.	Unit-No.
BOSCH		
1 3660 0	1 125 500 128,603	0 120 485 034,036
1 3661 0	1 125 500 067,156,167	0 120 485 025,026
1 3662 0	1 125 500 117,190,623	0 120 485 022,012
1 3664 0	1 125 500 085,152,185,564	0 120 335 006,007
1 3665 0	1 125 500 110,123	0 120 465 020,021
1 3666 0	1 125 500 174,562	0 120 485 046
1 3667 0	1 125 500 192	0 120 465 003,004,013
1 3668 0	1 125 500 079	0 123 310 014,015,029
1 3669 0	1 125 500 519	0 120 310 015
1 3671 0	1 125 500 154,510,572	0 123 110 005-0 123 120 001
1 3673 0	1 125 500 054	0 120 468 042,043,...469 868
1 3674 0	1 125 500 022	0 120 468 062,064,907,912
1 3675 0	1 125 500 168	0 123 212 001
DUCELLIER / VALEO		
1 3620 0	23055	7522B,C, 7529A,C, 7532A-E
1 3621 0	669481	7527, 7530, 7541, 7557, 7564
1 3622 0	690261, 690994	512008,B,C,D,512010 A,B
1 3623 0	690467	516003, 516004A, 516005A
1 3624 0	690640	516013A,B,C, 516015A, 516016A,B
1 3627 0	691222	516006C, 516020A, 516023A,B 516024, 516025, 516026
FIAT / MARELLI		
1 3635 0	85560011	AA125R, 63321057
MOTOROLA / EUROPE		
1 3640 0	514-001	9AR2524-2528,2622,2763,2764, 2830,2833,2897,2919,2920, 5036
1 3643 0	514-080	9AR2726G,2727,-G,2839,-G, 2896,-G,2926
1 3644 0	514-115	9AR2659G,2660K,2695K,2760K, 2934K,2936P,5042P
1 3645 0	514-267	9AR2748K,2785K,5028K
1 3646 0	514-122	9AL2505P,2628P,2885K 9AR2730P,2872P,5097P 2541423,2940275
1 3650 0	V294-0	2940303,2940304,2940305A, 2940308

IKA-No.	OE-Ref.	Unit-No.
PARIS-RHONE / VALEO		
1 3601 0	100845	A13N ...
1 3605 0	95849	A13R ...
1 3606 0	98979	A13R203,214,218,220-222,228,230,231 242-245,255,256,260,262,263,269,270
1 3607 0	100155	A13R248,258,259,266-268 A14N1,2 A14R33
1 3608 0	100240	A12R38,45,46,55
1 3609 0	590566	A14N73,75
1 3610 0	100995	A14N4,9,10,13,14,19,22,23,35-37,39,40, 42,50,51,53-56,59,63,65
1 3648 0		A13VI62,66
1 3649 0	592947	A13VI54
1 3651 0	592942 2519621	A11VI11,23-25 A13VI46,49 w. internal fan
1 3652 0	592946 2519836	A11VI10,16-18 A13VI30,48
1 3653 0	592945	A13VI13,28,30,52
1 3654 0	592943	A13VI21,22
1 3655 0	592944	A11VI26,28,30,31,59,61 A13VI11,14,16,17,20,21,23,25,32,34,35,45, 47,55,57,64,65,97,104-107,131,153
1 3656 0	591096, 2546308	
1 3657 0	591015, 593247	A14VI10,13,14,30,31
1 3658 0	592940	A13VI10,63,67,69,77,126,137,138
1 3659 0	593235	A13VI74,75,99,100,134,170,175,176, 197,198,220,222
1 3687 0	592941	A11VI64 A13VI18,76
1 3688 0	593291	A11VI67,79,85
1 3689 0	593315	A13VI157,163-167,184,185 A11VI81,92,93,96,97,104,105 A13VI179,207-213,216-218,224,227, 254,255,264-267
1 3690 0	593317	A11VI87 A13VI188,235
1 3692 0	593335 593374	A11VI88,94,98,110,111 A13VI195,238,249,251-253,259,285, 289-291,297,300
1 3701 0	593417, 593834	SG12B015,-042,-047, SG14B010
1 3702 0	593848	
1 3703 0	593367	A13VI241
1 3704 0	593504	SG8B023,-026, SG9B048,-055,-057
1 3705 0	593416, 593481	SG8B011,-013,-015,-018 SG9B013,-015,-018,-019,-023,-024,-049
1 3706 0	590651	
1 3701 0 - 1 3706 0		original Valeo Covers





ALUMINIUM ABDECKKAPPEN ALUMINIUM COVERS



GENERATOR ALTERNATOR

IKA-No.	OE-Ref.	Unit-No.
DENSO		
1 3676 0	021551-0840, -0841, -0950	100211-1001,-1011,-1021,-1031, -1041,-1061,-1091,-1121, -1141,-1171,-2001,-2021, -2031,-2050,-2071,-2080, -2102,-2110,-2130,-2140, -2150,-2160,-2170,-2190, -2410,-2451,-2470
1 3677 0	021551-1190	100211-1550,-1571,-4112,-4141, -4160,-4170,-4290,-4320, -4372,-6860,-6930,-6940, -6950,-6960,-6970,-9062, -9090,-9100,-9270,-9280, -9320,-9330,-9340
1 3678 0	021551-1480	100211-8000,-8010,-8020,-8030, -8060,-8070,-8090,-8100, -8110,-8120,-8130,-8150, -8190,-8240,-8250,-8260, -8280,-8300,-8350,-8380, -8392,-8410,-8420,-8431, -8450,-8480,-8490
1 3693 0	021551-2150	100211-5210,-5230,-5250,-5310, -6190,-6200,-6210,-6221, -6330,-6350,-6410,-9940, -9950, 100213-1740,-1780,-1910,-2250, 101211-0050,-0070,-0140,-0170, -0180,-0210,-0220,-0260,
1 3694 0	021511-1510	100211-6000,-6010,-6020,-6060, -6080,-6090,-6100,-6110, -6120,-6130,-6140,-6150, -6180,-6190,-6200,-6210, -6221,-6230,-6330,-6350, -6410
1 3695 0	021511-2260	101211-5000,-5010,-5020,-5100, -5110,-5120,-5130,-5150, -5170,-5200,-5220,-5230, -5240,-5260,-5300,-5370, -5380,-5390,-5470,-5610, -5630,-5640,-5660,-5670, -5720,-5760,-5770

IKA-No.	OE-Ref.	Unit-No.
DENSO		
1 3696 0	021551-1120	100211-1511,-1512,-1580,-1590, -4000-4004,-4080,-4103,-4104, -4120,-4180,-4190,-4191,-4200, -4201,-4210,-4220,-4230,-4240, -4250,-4360,-4361,-4362,-4383
1 3697 0	021551-2640	100211-5210,-5310, 100213-1740,-2250,-2471, 101211-0050-0052,-0060-0062, -0070-0072,-0140,-0170-0172, -0180-0182,-0210,-0211,-0260
1 3698 0	021551-1330	100211-1670,-4520,-4528,-4610,-4640, -4650,-4770
1 3699 0	021551-2450,-2580 -3780	101211-5450,-5560,-5620,-5710,-9060, -9100,-9200,-9350,-9410,-9520, -9540,-9600,-9710,-9780 102211-1920,-1960,-2000

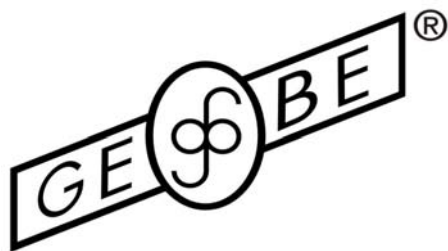
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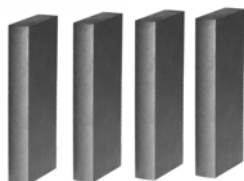
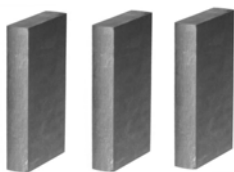
VERSCHIEDENE ERSATZTEILE

VARIOUS SPARE PARTS

DIVERSES PIECES DE RECHANGE





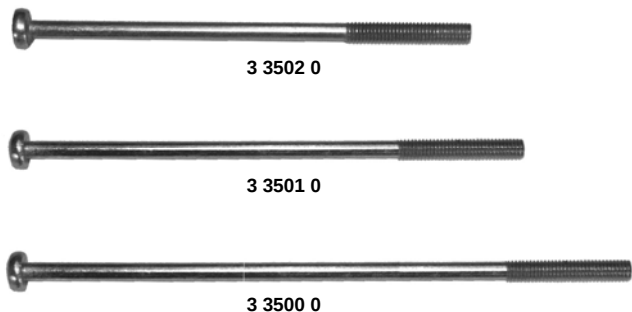


CARBON VANE SETS FOR VACUUM PUMPS

BOSCH, DENSO, HITACHI, LUCAS, MITSUBISHI

IKA-No.	OE-Ref.	Dimensions		
BOSCH				
1 5013 1	9 491 147 011 9 120 144 605,606 334 625,626,639	5	x 14.75 x 34.9	2 pcs.
1 5014 1	9 491 147 007 142 300 (x2) 0 120 488 000-012 9 120 144 601-604,611-616 621-624 334 627,628,636	5	x 13.8 x 25	2 pcs.
DENSO				
1 5006 1	081204-0110	6	x 14.7 x 23	4 pcs.
1 5007 1	081204-0070	7	x 17.5 x 62	4 pcs.
1 5008 1	081204-0080	7	x 13.6 x 35	4 pcs.
1 5009 1	081204-0240 -0250	4.1	x 12.7 x 23	3 pcs.
1 5010 1	081204-0210 -0220	6.1	x 15.1 x 40	4 pcs.
1 5011 1	081204-0290	5.1	x 12.7 x 23	5 pcs.
HITACHI				
1 5001 1	VP25-19101 -19103	5	x 13.8 x 25	4 pcs.
1 5002 1	VP50-1910	5	x 15.2 x 39	4 pcs.

IKA-No.	OE-Ref.	Dimensions			
LUCAS					
1 5012 1	A127 24188, 24230	4.6	x 24.4	x 34.7	4 pcs.
MITSUBISHI					
1 5003 1	A990D01101 A2T01483 01583 01683	5	x 12.6	x 28	4 pcs.
1 5004 1	A990D01401 A1T33076 33576 33676	5	x 15.1	x 24	3 pcs.
1 5005 1	A990D01901 A2T19983 27883 72378 A3T04582 04999	5	x 17.6	x 33	3 pcs.



GEHÄUSESCHRAUBEN BRACKET SCREWS

KUGELLAGEREINSÄTZE BEARING RETAINER

IKA-No.	Bosch-Ref.	Unit-No.
1 3500 0	1 123 429 235 M 5 x 132 mm -----	0 120 468 053,107,113,115, 137,145,149 488 256,277,278,282, 291 489 315,316
1 3501 0	1 123 429 102 new No. (1 123 429 202) M 5 x 108 mm -----	0 120 400 713 450 022,024 469 005,513,517,531, 570,574,640,649, 695,778,785,816, 817,828,883,907, 912,945,967,969, 985,991,993 484 001,015 488 101,121,122,131, 134,138,142,143, 146-148,153,184, 215,220,233,251, 489 027,029,046-048, 066,113,141,143, 174,182,192,353, 066,113,141,143, 358,387,389,390, 392,394,455,461, 472,474,478,491, 492,586,630,769, 896,898,957,959 9 120 060 684
1 3502 0	1 123 429 116 new No (1 123 429 216) M 5 x 96 mm -----	0 120 484 005,006,010 488 123,124,167,167 489 061,064,149,150, 168,298,470,483, 489,527,556,683, 729,749,751,786, 829,932 9 120 144 011,016,112,113 115-117,119,120, 123,125,130-133, 219-221,227,232, 241,245,255,257, 266,272,278,280, 284,288,29,294, 296,298,303 334 137,310,311

IKA-No.	O.E.-Ref.	Unit-No.
BOSCH		
1 3679 0	1 120 591 076, -103 40/43 x 16.6 mm ----- 6303	0 120 335 .../465 .../485 005-008 0 123 .../ 9 123 .../ F 010 LDO ...
1 3680 0	1 120 591 075 34/35 x 42.0 mm ----- 6201	0120 468 .../469 .../484 .../488... 489 .../ 9 120 690 ... F 002 G10 808
1 3681 0	1 120 591 082 32/35 x 15.0 mm ----- 6201	0 120 400 .../450 .../468 .../469 ... 484.../488 .../489 ... 9 120 080 .../144 .../334 .../690 ... F 010 LDO ...
1 3684 0	1 120 591 060 32/35 x 18.8 mm ----- 62201	0 120 450 .../468 .../469 .../488 ... 6 033 GB3 .../G30 ... 9 120 144 .../334 .../ F 002 G10 329
1 3685 0	1 120 591 102, -116 6303 -----	0 120 335 006,006,011,012 0 123 310 010-013,051,052 320 042,043,068 510 010,011,048,073,095
1 3686 0	F 00M 146 900 6003	0 124 215 .../225 .../315 .../325... 415 .../425 .../515 .../525 ... 555 .../615 .../625 .../655... 6 004 MLO ... / F 004 225 ...

VALEO

1 3616 0	32/32.8 x 16.2 mm ----- 6201	A11, A13VI
1 3617 0	32/34.3 x 16.2 mm -----	A13VI
1 3618 0	79058 30/33.0 x 13.3 mm ----- 6200	A12M, A12R11
1 3619 0	35/37.3 x 19.5 mm ----- 6202	A13VI
1 3682 0	105299, 590629 32/34.0 x 14.0 mm ----- 6201	A14N
1 3683 0	104809 30/31.7 x 13.4 mm 6200	A13N



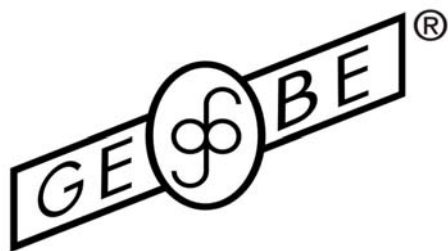
16

ABMESSUNGEN / DIMENSIONS

BUCHSEN, BUSHINGS, COUSSINETS

NADELLAGER, NEEDLE BEARINGS,
ROULEMENTS A AIGUILLES

KUGELLAGER, BEARINGS, ROULEMENTS



SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN

SELF LUBRICATING BUSHINGS SURVEY (mm)

Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer	Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer
04.00 / 07.00	x 07.00	4 4507 0 VALEO	12.00 / 15.00	x 08.00	4 4418 0 LUCAS
06.00 / 09.00	x 07.00	4 4504 0 VALEO	12.00 / 15.00	x 10.00	4 4501 0 VALEO
06.00 / 10.00-13.70	x 08.00	4 4503 0 VALEO	12.00 / 15.00	x 12.00	4 4264 0 ISKRA
07.00 / 10.00	x 06.10	4 4506 0 VALEO	12.00 / 15.00	x 12.00	4 4264 0 LUCAS
07.00 / 11.90	x 10.00	4 4273 0 FORD	12.00 / 15.00	x 15.00	4 4265 0 LADA
08.00 / 11.50-14.50	x 10.00	4 4316 0 FIAT / MARELLI	12.00 / 15.00	x 16.70	4 4400 0 LUCAS
08.00 / 12.00	x 09.60	4 4312 0 FIAT / MARELLI	12.00 / 15.00	x 19.00	4 4416 0 LUCAS
08.06 / 11.12	x 08.00	4 4054 0 BOSCH	12.00 / 15.05-18.00	x 13.50	4 4254 0 DUCELLIER
08.06 / 11.12	x 08.00	4 4054 0 VALEO	12.00 / 15.05-18.00	x 16.00	4 4350 0 PARIS-RHONE
08.06 / 11.12	x 10.00	4 4052 0 BOSCH	12.00 / 16.00	x 09.50	4 4465 0 MITSUBISHI
08.10 / 11.50	x 11.60	4 4452 0 MITSUBISHI	12.00 / 16.00	x 12.00	4 4311 0 FIAT / MARELLI
08.10 / 12.45	x 10.00	4 4272 0 FORD	12.00 / 16.00	x 14.00	4 4300 0 FEMSA
10.00 / 13.00	x 12.00	4 4257 0 DUCELLIER	12.00 / 16.00	x 14.00	4 4300 0 FIAT / MARELLI
10.00 / 13.00	x 13.00	4 4371 0 PARIS-RHONE	12.00 / 16.00	x 16.00	4 4304 0 FEMSA
10.00 / 13.00	x 16.00	4 4372 0 PARIS-RHONE	12.00 / 16.00	x 16.00	4 4304 0 FIAT / MARELLI
10.00 / 13.00-16.00	x 10.50	4 4484 0 MITSUBISHI	12.00 / 16.00	x 16.00	4 4304 0 LADA
10.00 / 14.00	x 09.50	4 4470 0 MITSUBISHI	12.00 / 16.00	x 16.00	4 4304 0 ISKRA
10.00 / 14.00	x 13.50	4 4464 0 MITSUBISHI	12.00 / 16.00	x 24.00	4 4305 0 FEMSA
10.00 / 14.00	x 13.50	4 4281 0 FEMSA	12.00 / 16.00	x 24.00	4 4305 0 LADA
10.00 / 14.00	x 13.50	4 4302 0 FIAT / MARELLI	12.00 / 16.00	x 24.50	4 4305 0 FIAT / MARELLI
10.00 / 14.00	x 13.50	4 4302 0 ISKRA	12.00 / 16.00-23.00	x 19.50	4 4420 0 LADA
10.00 / 14.00	x 13.50	4 4302 0 PAL MAGNETON	12.05 / 14.05	x 14.00	4 4204 0 DELCO
10.00 / 14.00	x 15.00	4 4301 0 FIAT / MARELLI	12.05 / 15.05	x 12.00	4 4264 0 DUCELLIER
10.00 / 14.00	x 15.00	4 4248 0 PAL MAGNETON	12.05 / 15.05	x 12.00	4 4264 0 PARIS-RHONE
10.00 / 14.00-16.00	x 13.00	4 4280 0 FEMSA	12.05 / 15.05	x 12.00	4 4264 0 ROMANIAN
10.00 / 16.10	x 10.00	4 4093 0 BOSCH	12.05 / 15.05	x 15.00	4 4063 0 BOSCH
10.06 / 14.10	x 10.00	4 4056 0 BOSCH	12.05 / 15.05	x 15.00	4 4265 0 DUCELLIER
10.06 / 14.10	x 10.00	4 4056 0 VALEO	12.05 / 15.05	x 15.00	4 4265 0 PARIS-RHONE
10.06 / 16.60	x 10.50	4 4061 0 BOSCH	12.05 / 15.05	x 15.00	4 4265 0 ROMANIAN
10.06 / 16.60	x 11.50	4 4077 0 BOSCH	12.05 / 15.05	x 20.00	4 4256 0 DUCELLIER
10.06 / 16.60	x 11.50	4 4077 0 FIAT / MARELLI	12.05 / 15.05	x 20.00	4 4256 0 PARIS-RHONE
10.06 / 16.60-19.00	x 14.80	4 4005 0 BOSCH	12.05 / 15.55	x 05.50	4 4485 0 HITACHI
10.07 / 14.10	x 13.00	4 4113 0 BOSCH	12.06 / 16.12	x 14.00	4 4012 0 BOSCH
10.10 / 15.50	x 10.40	4 4450 0 DENSO	12.06 / 16.12	x 16.00	4 4011 0 BOSCH
11.00 / 15.00	x 15.00	4 4459 0 HITACHI	12.10 / 13.62	x 11.50	4 4009 0 BOSCH
11.00 / 13.00	x 13.00	4 4456 0 MITSUBISHI	12.10 / 13.62	x 13.50	4 4053 0 BOSCH
11.00 / 13.00	x 15.50	4 4442 0 MITSUBISHI	12.10 / 13.62	x 18.80	4 4066 0 BOSCH
11.00 / 13.50	x 09.00	4 4072 0 BOSCH	12.10 / 14.12	x 12.00	4 4123 0 BOSCH
11.00 / 14.00	x 13.00	4 4458 0 MITSUBISHI	12.10 / 14.12	x 13.00	4 4123 0 BOSCH
11.00 / 14.70	x 08.00	4 4469 0 DENSO	12.10 / 14.12	x 14.00	4 4136 0 BOSCH
11.00 / 14.70	x 11.00	4 4451 0 DENSO	12.16 / 14.10	x 18.00	4 4314 0 FIAT / MARELLI
11.00 / 14.70	x 12.80	4 4468 0 DENSO	12.50 / 14.70	x 14.00	4 4457 0 DENSO
11.00 / 15.00	x 15.00	4 4309 0 FIAT / MARELLI	12.50 / 15.10	x 10.00	4 4480 0 MITSUBISHI
11.06 / 13.63	x 14.00	4 4021 0 BOSCH	12.50 / 15.50	x 10.50	4 4462 0 DENSO
11.10 / 12.62	x 10.50	4 4122 0 BOSCH	12.50 / 16.00	x 12.00	4 4454 0 HITACHI
11.10 / 12.62	x 11.50	4 4032 0 BOSCH	12.50 / 16.00	x 12.00	4 4454 0 PAL MAGNETON
11.20 / 15.90-26.20	x 16.30	4 4402 0 LUCAS	12.50 / 16.00	x 15.00	4 4455 0 HITACHI
11.50 / 15.00	x 13.00/14.00	4 4466 0 HITACHI	12.50 / 16.50	x 10.50	4 4461 0 DENSO
11.60 / 13.50	x 18.00	4 4310 0 FIAT / MARELLI	12.50 / 16.50	x 14.00	4 4475 0 DENSO
11.60 / 14.08	x 13.00	4 4426 0 ISKRA	12.56 / 16.60	x 08.00	4 4071 0 BOSCH
12.00 / 13.20	x 12.00	4 4203 0 DELCO	12.56 / 16.60	x 10.00	4 4062 0 BOSCH
12.00 / 13.20	x 18.20	4 4206 0 DELCO	12.56 / 16.60	x 11.50	4 4004 0 BOSCH
12.00 / 14.00	x 16.00	4 4453 0 MITSUBISHI	12.56 / 16.60	x 14.00	4 4002 0 BOSCH
12.00 / 14.00	x 20.00	4 4380 0 PARIS-RHONE	12.56 / 16.60	x 14.00	4 4247 0 PAL MAGNETON
12.00 / 14.00	x 20.00	4 4380 0 MITSUBISHI	12.56 / 16.60	x 15.80	4 4000 0 BOSCH
			12.56 / 16.60	x 16.00	4 4119 0 BOSCH
			12.56 / 16.60	x 18.00	4 4103 0 BOSCH
			12.57 / 18.54	x 19.80	4 4306 0 FIAT / MARELLI

SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN

SELF LUBRICATING BUSHINGS SURVEY (mm)

Abmessungen Dimensions in mm				IKA-No. bulk	Hersteller Producer	Abmessungen Dimensions in mm				IKA-No. bulk	Hersteller Producer
12.70	/	14.35	x 17.40	4 4417 0	LUCAS	18.00	/	22.00	x 05.00	4 4502 0	VALEO
12.70	/	15.80	x 12.70	4 4404 0	LUCAS	18.03	/	22.12	x 06.50	4 4057 0	BOSCH
12.70	/	15.80	x 19.60	4 4406 0	LUCAS	18.03	/	22.12	x 08.00	4 4055 0	BOSCH
12.70	/	15.90	x 16.50	4 4412 0	LUCAS	18.10	/	22.04	x 06.80	4 4443 0	HITACHI
12.80	/	14.35	x 19.80	4 4200 0	DELCO	18.10	/	23.00	x 08.00	4 4313 0	FIAT / MARELLI
12.80	/	15.90	x 14.00	4 4414 0	LUCAS	18.17	/	23.05	x 09.20	4 4318 0	FIAT / MARELLI
12.80	/	19.10	x 14.00	4 4411 0	LUCAS	18.80	/	20.00	x 11.50	4 4481 0	MITSUBISHI
12.90	/	14.45	x 18.00	4 4479 0	MITSUBISHI	19.00	/	20.60	x 17.80	4 4403 0	LUCAS
13.00	/	15.00	x 12.00	4 4263 0	DUCELLIER	19.00	/	20.60	x 20.60	4 4407 0	LUCAS
13.00	/	15.00	x 14.50	4 4253 0	DUCELLIER	19.06	/	22.53	x 13.90	4 4241 0	PAL MAGNETON
14.00	/	17.00	x 19.60	4 4401 0	LUCAS	19.09	/	23.10	x 10.00	4 4126 0	BOSCH
14.00	/	17.60	x 15.00	4 4109 0	BOSCH	19.09	/	23.10	x 13.00	4 4141 0	BOSCH
14.00	/	17.60	x 17.00	4 4101 0	BOSCH	19.09	/	25.10	x 10.00	4 4102 0	BOSCH
14.00	/	18.00	x 15.00	4 4351 0	FEMSA	19.09	/	25.10	x 13.00	4 4111 0	BOSCH
14.00	/	18.00	x 16.00	4 4351 0	DUCELLIER	19.20	/	31.80	x 10.20	4 4205 0	DELCO
14.00	/	18.00	x 16.00	4 4351 0	ROMANIAN	20.00	/	24.00	x 05.00	4 4505 0	VALEO
14.00	/	18.00	x 16.00	4 4351 0	PARIS-RHONE	20.00	/	24.00	x 12.00	4 4352 0	PARIS-RHONE
14.00	/	18.00	x 18.00	4 4353 0	DUCELLIER	20.00	/	24.00	x 16.00	4 4363 0	PARIS-RHONE
14.00	/	18.00	x 18.00	4 4472 0	HITACHI	20.00	/	28.00	x 29.00	4 4365 0	PARIS-RHONE
14.00	/	18.00	x 18.00	4 4353 0	PARIS-RHONE	20.00	/	28.00-32.00	x 25.00	4 4366 0	PARIS-RHONE
14.00	/	18.00	x 20.00	4 4354 0	DUCELLIER	20.27	/	24.00	x 13.09	4 4308 0	FIAT / MARELLI
14.00	/	18.00	x 20.00	4 4354 0	FIAT / MARELLI	20.40	/	26.50	x 12.50	4 4463 0	HITACHI
14.00	/	18.00	x 20.00	4 4471 0	HITACHI	21.03	/	24.67	x 25.90	4 4245 0	PAL MAGNETON
14.00	/	18.00	x 20.00	4 4354 0	PARIS-RHONE	21.30	/	24.40	x 25.00	4 4202 0	DELCO
14.00	/	20.00	x 10.00	4 4080 0	BOSCH	22.04	/	26.03	x 27.40	4 4242 0	PAL MAGNETON
14.01	/	17.05	x 15.00	4 4255 0	DUCELLIER	22.04	/	26.03	x 27.40	4 4246 0	PAL MAGNETON
14.06	/	18.10	x 14.00	4 4142 0	BOSCH	22.05	/	26.05	x 05.20	4 4444 0	HITACHI
14.06	/	20.03	x 17.00	4 4137 0	BOSCH	22.05	/	26.28	x 05.20	4 4477 0	HITACHI
14.10	/	20.00	x 11.80	4 4307 0	FIAT / MARELLI	22.08	/	26.10	x 23.00	4 4105 0	BOSCH
14.20	/	17.20	x 13.00	4 4460 0	MITSUBISHI	22.14	/	28.10	x 11.30	4 4116 0	BOSCH
14.30	/	16.00	x 39.80	4 4001 0	BOSCH	22.20	/	25.40	x 33.30	4 4399 0	LUCAS
14.36	/	16.04	x 10.00	4 4023 0	BOSCH	22.70	/	28.50	x 05.90	4 4482 0	DENSO
14.36	/	16.04	x 11.70	4 4131 0	BOSCH	23.00	/	27.00	x 06.00	4 4478 0	MITSUBA
14.36	/	16.04	x 13.70	4 4124 0	BOSCH	23.04	/	27.03	x 19.80	4 4244 0	PAL MAGNETON
14.36	/	16.04	x 20.50	4 4144 0	BOSCH	23.90	/	29.17	x 06.00	4 4483 0	DENSO
14.36	/	16.04	x 23.50	4 4106 0	BOSCH	25.00	/	30.00	x 20.00	4 4370 0	PARIS-RHONE
14.40	/	17.50	x 22.20	4 4415 0	LUCAS	25.00	/	32.00	x 17.90	4 4081 0	BOSCH
14.54	/	18.03	x 14.80	4 4240 0	PAL MAGNETON	25.00	/	32.00-39.00	x 20.00	4 4362 0	PARIS-RHONE
14.54	/	18.03	x 16.80	4 4243 0	PAL MAGNETON	26.12	/	30.13-33.00	x 11.50	4 4013 0	BOSCH
15.00	/	20.00	x 16.00	4 4473 0	HITACHI	26.12	/	32.13-33.00	x 11.50	4 4027 0	BOSCH
15.07	/	18.10	x 11.80	4 4315 0	FIAT / MARELLI	27.00	/	35.00	x 14.00	4 4364 0	PARIS-RHONE
15.10	/	18.20	x 22.20	4 4408 0	LUCAS	27.10	/	31.15	x 05.80	4 4474 0	HITACHI
15.80	/	19.00	x 19.00	4 4405 0	LUCAS	27.10	/	31.24-31.40	x 05.80	4 4476 0	HITACHI
15.95	/	19.15	x 14.00	4 4259 0	DUCELLIER	27.10	/	35.00-40.00	x 29.50	4 4367 0	PARIS-RHONE
15.95	/	19.15	x 14.00	4 4259 0	PARIS-RHONE	28.50	/	32.30	x 11.00	4 4082 0	BOSCH
16.00	/	19.20	x 22.00	4 4201 0	DELCO	28.50	/	32.30	x 11.00	4 4083 0	BOSCH
16.00	/	20.00	x 08.00	4 4368 0	PARIS-RHONE	28.60	/	31.80-38.10	x 13.00	4 4410 0	LUCAS
16.00	/	20.00	x 10.00	4 4355 0	PARIS-RHONE	34.50	/	44.00	x 42.50	4 4199 0	BOSCH
16.00	/	20.00	x 25.00	4 4369 0	PARIS-RHONE	40.00	/	48.00	x 10.50	4 4115 0	BOSCH
16.20	/	19.15	x 15.00	4 4260 0	DUCELLIER						
16.67	/	19.60	x 19.00	4 4104 0	BOSCH						
17.00	/	21.00	x 24.00	4 4361 0	PARIS-RHONE						
17.10	/	21.00	x 22.20	4 4409 0	LUCAS						
17.50	/	20.10	x 07.50	4 4467 0	HITACHI						
17.61	/	21.62	x 09.50	4 4022 0	BOSCH						

SPEZIAL NADELLAGER NACH ABMESSUNGEN

SPECIAL NEEDLE BEARINGS SURVEY (mm)

Abmessungen mm Dimensions mm	IKA-No. bulk	Hersteller Producer	Abmessungen mm Dimensions mm	IKA-No. bulk	Hersteller Producer
04.00 / 08.00	x 08.00	8 2269 0 VALEO	26.10 / 33.00	x 13.70	8 8677 0 VALEO
05.00 / 08.52	x 06.86	8 4209 0 BOSCH	28.00 / 35.20	x 14.62	8 4090 0 BOSCH
05.00 / 09.00	x 09.00	8 2260 0 BOSCH	29.50 / 36.50	x 13.50	8 8678 0 VALEO
05.00 / 09.00	x 09.00	8 2260 0 VALEO	31.00 / 37.00	x 16.00	8 4094 0 BOSCH
06.00 / 10.00	x 08.00	8 2256 0 BOSCH	33.00 / 48.00	x 15.00	8 8693 0 BOSCH
06.00 / 10.00	x 08.00	8 2256 0 FORD			
06.00 / 10.00	x 08.00	8 2256 0 VALEO			
06.00 / 10.00	x 09.00	8 2258 0 BOSCH			
06.00 / 10.00	x 09.00	8 2258 0 VALEO			
08.00 / 12.00	x 08.00	8 8674 0 DELCO			
08.00 / 12.00	x 08.00	8 8673 0 DELCO			
08.00 / 12.00	x 08.00	8 8673 0 MITSUBA			
09.00 / 13.00	x 10.00	8 8675 0 BOSCH			
10.00 / 14.00	x 10.00	8 4096 0 BOSCH			
10.00 / 14.00	x 10.00	8 4096 0 FIAT/MARELLI			
10.00 / 14.00	x 10.00	8 4096 0 VALEO			
10.00 / 14.00	x 12.00	8 8668 0 VALEO			
10.00 / 14.00	x 14.00	8 4097 0 BOSCH			
10.00 / 14.00	x 14.00	8 8669 0 VALEO			
10.00 / 15.00	x 15.00	8 8314 0 MITSUBISHI			
10.00 / 15.00	x 15.40	8 4210 0 MITSUBISHI			
10.00 / 17.00	x 12.00	8 4091 0 BOSCH			
11.50 / 17.50	x 16.50	8 8684 0 DELCO			
12.00 / 16.00	x 10.00	8 4079 0 BOSCH			
12.00 / 16.00	x 10.00	8 4079 0 Delco			
12.00 / 16.00	x 10.00	8 4079 0 FIAT/MARELLI			
12.00 / 16.00	x 10.00	8 4079 0 FORD			
12.00 / 16.00	x 10.00	8 4079 0 LUCAS			
12.00 / 16.00	x 10.00	8 4079 0 VALEO			
12.00 / 16.00	x 14.00	8 4095 0 BOSCH			
12.00 / 17.00	x 12.00	8 8305 0 MITSUBISHI			
12.00 / 18.00	x 12.00	8 8981 0 FORD			
12.00 / 18.00	x 14.00	8 4098 0 FIAT/MARELLI			
12.00 / 18.00	x 16.00	8 4099 0 BOSCH			
12.00 / 18.00	x 16.00	8 4099 0 VALEO			
12.50 / 17.00	x 17.00	8 8315 0 DENSO			
14.00 / 19.00	x 12.00	8 8161 0 MITSUBISHI			
14.00 / 20.00	x 14.00	8 8982 0 MITSUBISHI			
14.29 / 19.05	x 12.70	8 4208 0 FORD			
15.00 / 21.00	x 12.00	8 8829 0 HITACHI			
15.87 / 23.81	x 21.90	8 4092 0 BOSCH			
16.00 / 20.70	x 19.00	8 8664 0 BOSCH			
16.00 / 23.85	x 18.95	8 8663 0 BOSCH			
17.00 / 23.80	x 17.40	8 8200 0 DELCO closed			
17.00 / 23.80	x 17.40	8 8200 0 FORD closed			
17.00 / 23.80	x 17.40	8 8200 0 LUCAS closed			
17.00 / 23.80	x 17.40	8 8277 0 LUCAS open			
17.00 / 23.80	x 31.80	8 4207 0 DELCO closed			
17.46 / 22.23	x 09.50	8 8681 0 FORD			
17.46 / 22.23	x 09.50	8 8681 0 MITSUBISHI			
18.00 / 24.00	x 12.00	8 8118 0 BOSCH			
18.00 / 24.00	x 12.00	8 8118 0 VALEO			
18.00 / 24.00	x 16.00	8 8983 0 BOSCH			
19.05 / 25.40	x 15.88	8 8275 0 BOSCH			
20.00 / 26.00	x 12.00	8 8986 0 HITACHI			
20.50 / 27.00	x 09.50	8 8160 0 MITSUBISHI			
22.00 / 28.00	x 12.00	8 8671 0 HITACHI			
22.00 / 28.00	x 16.00	8 8665 0 BOSCH			

JAPANISCHE SPEZIALLAGER NACH ABMESSUNGEN

JAPANESE SPECIAL BEARINGS (mm)

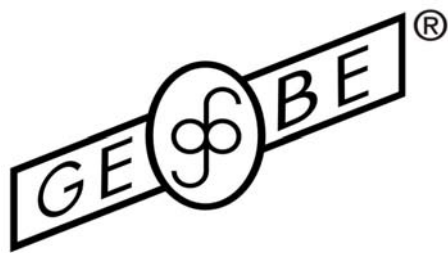
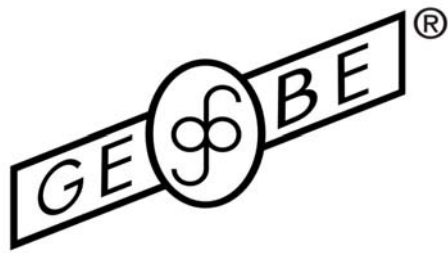
Abmessungen Dimensions in mm				IKA-No. bulk	Herstellernummern Original References	Hersteller Producer	
8	/	22	x 7	8 8263 0	949100-1360	608 2RS	DENSO
8	/	22	x 7	8 8263 0	2114-15502	608 2RS1 23319-M4900 (Nissan)	HITACHI
8	/	22	x 11	8 8691 0	S930P17170	B 8-74 D with snapring	MITSUBISHI
8	/	23	x 11	8 8690 0	S930P17970	B 8-79 D with snapring	MITSUBISHI
8	/	23	x 14	8 8254 0	S930P63670	B 8-85 D with 2 teflon rings SL8AD5LHI	MITSUBISHI
8	/	23	x 14	8 8689 1	S930P18570	B 8-85 D with snapring	MITSUBISHI
8	/	28	x 9	8 8670 0	949100-4840		DENSO
10	/	23	x 11	8 8685 0		B 10-46 D 6900 BPL	HITACHI
10	/	27	x 11	8 8687 0		B 10-50 D 23120-58S01,-6000G,6000HC (Nissan)	HITACHI
10	/	27	x 14	8 8139 0	S930P64570	SC0081LHIA with 2 teflon rings	MITSUBISHI
12	/	32	x 10	8 8131 0	S930P61201	6201 DW with snapring S210-24-523 (Mazda)	MITSUBISHI
12	/	32	x 13	8 8220 0		6201 V B 12-57 with snapring	HITACHI
12	/	35	x 18	8 8140 0	949100-2140		DENSO
15	/	28	x 7	8 8255 0		6902 2RS1 Honda Gear Reduction Starters	MITSUBISHI
15	/	32	x 9	8 8144 0	949100-4130		DENSO
15	/	32	x 11	8 8546 0	949100-3170	90099-10154 (Toyota)	DENSO
15	/	35	x 11	8 8666 0		6202 LLBC3	HITACHI
15	/	35	x 11	8 8138 0	with snapring	6202 NC 23129-16A00 (Nissan)	HITACHI/MITSU.
15	/	35	x 13	8 8545 0	949100-2790,-3980		DENSO
15	/	35	x 13	8 8135 0	S930P18301,18370,64301,64370	6202 NCD with snapring B 15-69 D,T	HITACHI/MITSU.
15	/	36	x 18	8 8265 0	949100-3270		DENSO
15	/	38	x 19	8 8541 0	949100-3480	348	DENSO
15	/	42	x 13	8 8169 0		6302 NC with snapring	HITACHI
15	/	43	x 13	8 8538 0	949100-3190	319 90099-10152 (Toyota)	DENSO
15	/	43	x 24	8 8434 0	949100-3440		DENSO
15	/	46	x 14	8 8540 0	949100-3360,-3450,-4620	336	DENSO
15	/	47	x 14	8 8536 0	S930P63070	6303 LH B 15-86 D B 15-86 W3,AT1	MITSUBISHI
15	/	47	x 18	8 8686 0	S930P18470	B 15-84 DW B 15-83 D	MITSUBISHI
15	/	52	x 16	8 8141 0	949100-3820,-3821	6304B15W16 2RS	DENSO
17	/	30	x 7	8 8260 0	2114-25502	6903 2RS1 23338-M4900 (Nissan)	HITACHI
17	/	47	x 14	8 8692 0	S930P18870	B17-102 DG	MITSUBISHI
17	/	47	x 18	8 8682 0	S930P64470	B17-107 D	MITSUBISHI
17	/	47	x 24	8 8253 0	S930P64870	MD618338 2 B17-4 DG	MITSUBISHI
17	/	52	x 15	8 8547 0	02131-0940		POONG SUNG
17	/	52	x 16	8 8539 0	949100-3330,-4370	333	DENSO
17	/	52	x 17	8 8212 0		B 17-99	MITSUBISHI
17	/	52	x 18	8 8312 0	S930P80570	B17-116 DG	MITSUBISHI
18.73	/	37	x 9	8 8680 0		6904 DW (incl. bushing)	MITSUBISHI
18.73	/	42	x 12	8 8306 0		6004 DW (incl. bushing) M410X14171	MITSUBISHI
20	/	37	x 9	8 8261 0	2114-35502	6904 2RS1 23358-M4900 (Nissan)	HITACHI
20	/	42	x 12	8 8214 0	2114-45502	6004 2RS1 23363-M4900 (Nissan)	HITACHI
20	/	52	x 15	8 8134 0	949100-2700	6304 2RSC3	DENSO
25	/	42	x 9	8 8262 0	2130-3302	6905 2RS 23441-J5500 (Nissan)	HITACHI
30	/	47	x 9	8 8431 0		6906 2RS1 M1T60081,-60181,-60185,-60281,60285,-60581,-61181	MITSUBISHI

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1 917 000 542	0 1769 1
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1 917 000 544	0 1741 1
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1 917 000 564	0 1769 1
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1 917 000 578	0 1665 1
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1 917 012 405	0 1432 1
1 917 012 407	0 1328 1
1 917 012 408	0 1332 1
1 917 012 413	0 1380 1
1 917 700 476	0 1690 1
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2 004 114 092	4 3783 0
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2 006 209 500	4 3738 0
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2 127 014 007	0 1064 1
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2 134 320 007	0 0714 0
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2 137 014 040	0 1376 1
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3 137 014 123	0 1791 1
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9 002 336 206	4 3724 0
9 002 338 850	4 2221 1
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9 122 080 043	0 1061 1
9 124 080 024	0 1061 1
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9 149 147 007	1 5014 1
9 491 147 011	1 5013 1
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F 00M 391 100	3 5367 1

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F 00M 391 105	3 5334 1
F 00M 391 107	3 5384 1
F 00M 391 110	3 5312 1
F 00M 391 112	3 5336 1
F 00M 391 113	3 5337 1
F 00M 391 115	3 3598 0
F 00M 391 118	3 5384 1
F 00M 391 119	3 5407 1
F 00M 391 120	3 5384 1
F 00M 391 122	3 3591 1
F 00M 391 123	3 5338 1
F 00M 391 124	3 5385 1
F 00M 391 125	3 5338 1
F 00M 391 135	3 5367 1
F 00M 391 138	3 5336 1
F 00M 391 139	3 5337 1
F 00M 391 140	3 5387 1
F 00M 391 144	3 5335 1
F 00M 391 145	3 5334 1
F 00M 391 157	3 3591 1
F 00M 391 158	3 5386 1
F 00M 391 160	3 3568 1
F 00M 391 400	3 3597 0
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F 00M 990 410	8 8661 0
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F 00M 991 172	3 5410 1
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F 00M 991 181	3 5314 1
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F 00M 991 190	3 3557 1
F 00M 991 192	3 3562 1
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F 00M 991 303	3 3557 1
F 00M 991 304	3 3529 1
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F 00M 991 378	3 3541 1
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F 00M 991 392	3 3587 1
F 00M 991 393	3 3560 1
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F 00M 991 397	3 3515 1
F 00M 992 711	3 3521 1
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F 010 LD1 120	3 3555 1
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Starter...218 Gear ou	4 4057 0

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131019	4 3715 0
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131054	1 2006 0
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131346	7 7176 1
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131452	4 3397 0
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131833	4 3522 0
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131992	4 2206 0
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131995	2 1608 1

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132005	2 1678 1
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132079	2 1594 1
132090	7 7141 1
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132147	4 3457 0
132181	2 3221 1
132204	2 1618 1
132205	2 1612 1
132216	2 1617 1
132223	4 0739 0
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132235	1 3645 0
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132276	4 3455 0
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133408	1 2036 0
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134975	1 3651 0
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135716	2 1887 1
135717	2 1929 1
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135847	4 1004 0
135848	4 1005 0
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136216	7 7166 1
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136251	9 1512 1
136252	9 1804 1
136257	2 1960 1
136282	9 1813 1
136305	1 2010 0
136345	2 1751 1
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136395	1 3669 0
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136789	4 2378 1
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136857	4 2234 0
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137052	1 4107 0
137053	7 7164 1
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137465	4 2365 0

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137670	1 3694 0
137687	1 3695 0
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137742	4 1004 0
137744	4 1003 0
137746	4 1003 0
137754	4 2327 1
137755	4 2374 1
137761	1 3648 0
137762	1 3688 0
137812	4 2210 0
137886	4 2364 0
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137981	2 2073 1
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138092	3 3550 0
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138167	2 1960 1
138167	4 3768 0
138201	7 7125 1
138203	3 3516 1
138209	2 2115 1
138213	4 2223 0
138236	3 3551 0
138252	2 1936 1
138253	4 2326 0
138256	2 1608 1
138282	3 3515 1
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138320	7 7117 1
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138332	2 6002 1
138336	7 7117 1
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138441	1 2089 0
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138478	7 7193 1
138533	2 2099 1
138534	7 7190 1
138535	7 7194 1
138672	7 7179 1
138672+140963	7 7179 1
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138807	3 3587 1
138850	4 3842 0
138851	4 3843 0
138862	4 2314 1
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138906	7 7131 1
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138963	7 7274 1
138985	2 2054 1
138989	4 2244 0
138991	4 2209 0
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139047	4 3527 0
139143	4 2214 0
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139146	7 7127 1
139152	4 3398 0
139173	4 2217 0
139199	4 2228 0
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139474	1 3690 0
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139593	4 3838 1
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140027	4 4022 0

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140047	4 4301 0
140048	4 4300 0
140049	4 4305 0
140050	4 4302 0
140052	4 4406 0
140053	4 4405 0
140054	4 4404 0
140056	4 4402 0
140057	4 4400 0
140058	4 4401 0
140059	4 4403 0
140060	4 4407 0
140062	4 4408 0
140064	4 4256 0
140065	4 4354 0
140066	4 4259 0
140067	4 4352 0
140074	4 4201 0
140076P	8 8123 0
140078P	8 8211 0
140079	8 8156 0
140079P	8 8156 0
140080	8 8398 0
140081	8 8120 0
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140082	8 8221 0
140082P	8 8221 0
140084	8 8157 0
140084P	8 8157 0
140086	8 8125 0
140087	8 8535 0
140087P	8 8119 0
140088	8 8489 0
140088P	8 8489 0
140091	8 8236 0
140091P	8 8236 0
140092	8 8237 0
140093	8 8395 0
140093P	8 8158 0
140094	8 8395 0
140094P	8 8399 0
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140103	4 4697 1
140104	4 4698 1
140105	8 8427 0
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140114	4 4199 0
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140120	8 8200 0
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140135	0 1269 1
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CARGO

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140151	4 4111 0
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140164	0 0859 0
140175P	8 8238 0
140176	8 8132 0
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140201	4 4308 0
140202	4 4307 0
140203	4 4137 0
140204	4 4077 0
140206	4 4202 0
140207	4 4417 0
140208	4 4056 0
140218P	8 8222 0
140219P	8 8224 0
140220	8 8226 0
140220P	8 8226 0
140222	8 8263 0
140223	8 8214 0
140223P	8 8214 0
140224	8 8255 0
140225	8 8260 0
140226	8 8261 0
140227	8 8262 0
140231	8 8691 0
140232	8 8690 0
140233	8 8685 0
140234	8 8689 1
140235	8 8687 0
140236	8 8140 0
140237	8 8545 0
140239	8 8540 0
140240	8 8277 0
140242	8 4079 0
140248	4 4061 0
140249	4 4054 0
140250	4 4052 0
140251	4 4055 0
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140256	4 4013 0
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140258	4 4371 0
140259	4 4372 0
140261	4 4144 0
140262	4 4203 0
140263	8 8212 0
140264	4 4260 0
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140271P	8 8210 0
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140272P	8 8144 0
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140273P	8 8213 0
140274	8 8215 0
140274P	8 8215 0

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CARGO

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140275P	8 8227 0
140276	8 8228 0
140276P	8 8228 0
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140277P	8 8145 0
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140278P	8 8134 0
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140279P	8 8239 0
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140281P	8 8243 0
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140282P	8 8244 0
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140283P	8 8216 0
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140301	5 8187 7
140302P	8 8245 0
140303	8 8246 0
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140304P	8 8247 0
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140310	4 4455 0
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140318	4 4473 0
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140320	4 4456 0
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140326	4 4457 0
140328	4 4461 0
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140336	0 1969 1
140337	0 1993 1
140338	0 1982 1
140339	0 1958 1
140340	0 1942 1
140341	0 1951 1
140342	0 1905 1
140344	0 1901 1
140345	0 1980 1
140346	0 1957 1
140347	0 1971 1
140348	0 1936 1
140349	0 1983 1
140350	0 1902 1
140351	0 1911 1
140352	0 1910 1
140353	0 1910 1
140354	0 1909 1
140356	0 1940 1
140357	0 1945 1
140359	0 1965 1
140360	0 1966 1
140361	0 1988 1
140362	0 1984 1
140363	0 1985 1
140364	0 1977 1
140365	0 1900 1
140366	0 1907 1

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140368	0 1917 1
140369	0 1913 1
140370	0 1919 1
140371	0 1915 1
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140375	8 8118 0
140376	0 1959 1
140377	0 1993 1
140378	0 1937 1
140379	0 1974 1
140380	0 1912 1
140381	8 8671 0
140385	0 1949 1
140386	0 1957 1
140387	0 1994 1
140388	0 1972 1
140391	0 1949 1
140392	0 1911 1
140393	0 1935 1
140394	8 8278 0
140396	0 1991 1
140397	4 4244 0
140401	8 8278 0
140404	4 4205 0
140405	4 4206 0
140408	0 1371 1
140411	8 8686 0
140412	8 8680 0
140417	8 8131 0
140419	8 8689 0
140420	8 8536 0
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140426	4 4469 0
140427	4 4451 0
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140429	4 4465 0
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140432	8 8138 0
140434	8 8135 0
140435	4 4426 0
140437	0 1914 1
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140460	8 8539 0
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140462	8 8141 0
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140468	8 8673 0
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140473	4 4654 1
140474	4 4655 1
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140480	0 1605 1
140481	0 1606 1
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140483	8 4098 0
140484	8 8270 0
140494	8 8981 0
140495	8 8829 0
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140497	4 4503 0
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CARGO

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140500	4 4123 0
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140512	0 1607 1
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140532	4 4661 1
140533	4 4674 1
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140575	0 1918 1
140576	0 1916 1
140577	0 1914 1
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140592	4 4695 1
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140613	0 1570 1
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140630	8 8265 0
140632P	8 8218 0
140635	8 8235 0
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CARGO

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140646	4 4691 1
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140657	4 4414 0
140658	4 4409 0
140659	4 4410 0
140665	4 4418 0
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140671	4 4364 0
140672	4 4365 0
140673	4 4366 0
140674	4 4367 0
140676	4 4363 0
140680	4 4361 0
140681	4 4370 0
140684	4 4351 0
140688	4 4415 0
140689	4 4416 0
140691	4 4248 0
140692	4 4027 0
140694	4 4480 0
140696	4 4477 0
140697	4 4483 0
140698	4 4478 0
140706	0 1987 1
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140763	5 8075 0
140764	5 8020 0
140765	0 1603 1
140768	8 8315 0
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140782	4 4066 0
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140817	0 1903 1
140818	0 1920 1
140827	4 4671 1
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140841	0 1979 1
140842	4 4056 0
140845	0 1527 1
140849	9 1377 1
140850	4 4082 0
140851	9 1373 1
140852	0 1948 1
140853	4 4032 0
140854	4 4009 0
140856	4 4062 0
140857	4 4009 0
140858	4 4123 0
140859	4 4141 0
140866	4 4106 0
140867	4 4144 0
140868	8 8431 0
140870	4 4485 0
140872	0 1687 1
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140878	8 8278 0
140879	8 8259 0
140880	0 1572 1
140885	0 1996 1
140895	0 1572 1
140896	0 1624 1
140897	0 1623 1
140898	0 1625 1
140903	8 4091 0
140904	8 4099 0
140914	0 1434 1
140916	4 4452 0
140917	8 8316 0
140918	0 1375 2
140919	8 8669 0
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140922	0 1964 1
140927	4 4443 0
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140934	0 1961 1
140935	8 8675 0
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140960	8 8670 0
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140963	0 1955 1
140966	0 1941 1
140968	5 8077 0
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CARGO

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140974	0 1535 1
140975	0 1529 1
140976	0 1977 1
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140981	0 1534 1
140984	4 4071 0
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140990	4 4198 0
140991	4 4273 0
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141007	8 8663 0
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141009	8 8429 0
141012	8 8666 0
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141059	5 8155 7
141062	8 8169 0
141065	8 8160 0
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141070	0 1194 1
141071	8 8333 0
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141090	8 4210 0
141094	0 1480 1
141098	0 1167 1
141101	0 1087 1
141113	0 1275 1
141114	0 1274 1
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141182	4 4478 0
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141187	0 1528 1
141188	0 1528 1
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141224	0 1998 1
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142001	8 4090 0
142003	8 8677 0
191292	1 3501 0
210843	3 4200 0

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CARGO

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210877	3 5306 0
210909	3 3570 0
210948	3 3530 0
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230083	3 3522 1
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230158	4 2307 0
230167	4 2373 1
230182	7 7250 1
230221	4 3483 0
230292	3 3529 1
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230295	3 3521 1
230296	3 3576 1
230297	3 3524 1
230302	3 3541 1
230304	3 3542 1
230305	3 3518 1
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230307	3 3531 1
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230314	3 3539 1
230315	3 3545 1
230321	1 5011 1
230330	9 1879 1
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230352	2 2133 1
230391	7 7263 1
230396	7 7169 1
230401	9 1808 1
230432	1 2198 0
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230521	3 3528 1
230522	3 3546 1
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230524	3 3533 1
230525	3 3535 1
230526	3 3537 1
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230551	4 2382 1
230573	2 2064 1
230639	2 1537 1
230669	1 3697 0
230741	7 7261 1
230744	4 3526 0
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230759	8 8432 0
230793	7 7061 1
230828	2 2122 1
230830	4 2366 0
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230846	4 3393 0
230912	4 2372 0
230961	2 3346 1
231084	7 7137 1
231248	1 3698 0
231415	2 2162 1
231435	3 3562 1
231452	3 3552 0
231584	3 5303 1
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CARGO

IKA

231709	4 0752 0
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231789	2 2344 1
231795	2 2230 1
231841	7 7165 1
231856	4 2386 0
231896	2 2145 1
232173	4 0750 0
232183	7 7283 1
232306	7 7177 1
232624	3 3557 1
232632	2 1691 1
232700	7 7134 1
232793	1 3699 0
232968	7 7263 1
233374	4 3481 0
233462	4 2245 0
233497	4 2246 0
233530	3 3584 1
233565	7 7282 1
233581	2 3150 1
233590	3 3581 1
233592	4 2218 0
233628	2 3150 1
233657	3 5319 1
233726	1 0741 0
233728	2 2203 1
233797	3 5316 1
233830	2 2245 1
233835	2 2201 1
233836	2 2234 1
233845	2 1985 1
233847	3 5345 1
233861	2 1594 1
233989	3 3583 1
233990	3 3564 1
234056	3 3573 1
234085	4 2386 0
234118	7 7139 1
234124	2 2338 1
234126	7 7134 1
234127	3 3573 1
234149	3 3586 1
234169	3 3591 1
234401	3 3590 1
234462	4 2224 0
234504	4 2513 1
234535	2 2343 1
234569	3 3558 1
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234788	7 7138 1
234793	3 3568 1
234794	3 3579 1
234795	3 3577 1
234796	3 5314 1
234867	3 3549 1
234896	7 7203 1
234947	7 7210 1
234956	4 2248 0
235065	7 7213 1
235214	7 7275 1
235281	7 7123 1
235331	3 3555 1
235424	3 5332 1
235439	3 5327 1
235459	7 7205 1
235474	3 3553 0
235475	3 3554 0
235476	3 3563 1

CARGO

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235478	3 3560 1
235479	3 3582 1
235480	3 5311 1
235494	3 5317 1
235503	3 5331 1
235504	3 3569 1
235505	3 5320 1
235506	3 5323 1
235507	3 5343 1
235508	3 5335 1
235531	7 7202 1
235592	4 2247 0
235695	3 5344 1
235696	3 5355 1
235697	3 5312 1
235716	3 3565 1
235717	3 3574 1
235718	3 5360 1
235719	3 5362 1
235720	3 5338 1
235721	3 5334 1
235732	3 5337 1
235733	3 5342 1
236270	2 2378 1
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236763	3 5379 1
236995	3 3580 1
237263	3 5313 1
237280	3 3572 1
237320	3 3559 1
237355	3 5309 1
237366	7 7293 1
237500	3 5356 1
237582	3 5395 1
237600	3 3521 1
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237619	3 5397 1
237670	7 7228 1
237674	3 3589 1
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238068	3 5353 1
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238426	3 5307 1
238690	3 5328 1
238733	3 5340 1
238734	3 5326 1
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250998	8 9013 0
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253239	8 9011 0
253240	8 9018 0
253242	8 9014 0
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253244	8 9010 0
254075	8 9017 0
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330240	3 5376 1

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CROSS REFERENCE LIST

CARGO

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ASX144	0 1221 1
ASX194	0 1228 1
ASX74	0 1221 1
AX322	0 1229 1
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B134574	1 2052 0
B134575	1 2053 0
B134577	1 2054 0
B134581	1 2058 0
B134591	1 2081 0
B134595	1 2076 0
B134598	1 2072 0
B134600	1 2066 0
BS134/0	0 0119 0
BS144/0	0 0106 0
BS151	0 0126 0
BS151S	0 0117 0
BSX 190-191 4	0 1183 1
BSX1004	0 1136 1
BSX1014	0 1151 1
BSX1024	0 1138 1
BSX1034	0 1179 1
BSX1042	0 1140 1
BSX116F4	0 0177 0
BSX124	0 1100 1
BSX128F4	0 1124 1
BSX1304	0 1145 1
BSX1314	0 1199 1
BSX134-1444	0 1147 1
BSX135-1454	0 1148 1
BSX137-1434	0 1149 1
BSX138-1424	0 1150 1
BSX1394	0 1151 1
BSX1404	0 1152 1
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BSX1474	0 1155 1
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BSX192-1934	0 1184 1
BSX194-1954	0 1186 1
BSX1964	0 1187 1
BSX1974	0 1170 1
BSX344	0 1103 1
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BSX444	0 1107 1
BSX704	0 1121 1
BSX744	0 1123 1
BSX754	0 1124 1
BSX764	0 1125 1
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BSX964	0 1132 1
BSX97F4	0 1151 1
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CARGO

IKA

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BX1642	0 1075 1
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BX1692	0 1048 1
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BX1852	0 1052 1
BX1884	0 1079 1
BX1922	0 1069 1
BX1982	0 1084 1
BX2022	0 1061 1
BX2032	0 1086 1
BX2042	0 1062 1
BX2062	0 1064 1
BX2092	0 1066 1
BX2102	0 1067 1
BX2132	0 1065 1
BX2152	0 1068 1
FESX25-262	0 1396 1
FX412+1P	0 1525 1
IKSX10-114	0 1537 1
IKSX2-32	0 1532 1
JSX134	0 1457 1
JSX162	0 1459 1
JSX184	0 1461 1
JSX194	0 1462 1
JSX21-22	0 1464 1
JSX23-24-28	0 1466 1
JSX31-32	0 1470 1
JSX33-344	0 1471 1
JSX35-364	0 1472 1
JSX35-374	0 1473 1
JSX38-39-403	0 1474 1
JSX38-412	0 1475 1
JSX43-45-444	0 1478 1
JSX51-522	0 1480 1
JSX51-52-593	0 1485 1
JSX51-52-634	0 1486 1
JSX52	0 1451 1
JSX61-62-634	0 1487 1
JSX94	0 1454 1
JX162	0 1405 1
JX222	0 1410 1
JX262	0 1413 1
JX30-312	0 1415 1
JX322	0 1417 1
JX37-392	0 1432 1
JX422	0 1433 1
LAS40	0 0489 0
LAS41	0 0435 0
LAS73	0 0429 0
LASX15-164	0 1608 1
LASX15-274	0 1609 1
LASX22	0 1600 2
LASX314	0 1614 1
LASX364	0 1615 1
LASX37-38-39	0 1616 1
LASX424	0 1618 1
LASX43-442	0 1619 1
LASX44-452P	0 1620 1
LASX5-62+1P	0 1604 1
LAX232	0 1553 1
LAX292	0 1558 1
LAX302	0 1559 1
LAX312	0 1560 1
LAX31-322	0 1561 1
LAX92	0 1550 1
MASX13-144	0 1663 1
MASX15-164	0 1664 1
MASX17-184	0 1665 1

CARGO

IKA

MASX19-204	0 1666 1
MASX21-224	0 1668 1
MASX23-244	0 1669 1
MASX25-264	0 1670 1
MASX27-284	0 1671 1
MOSX5-68	0 1680 1
NOX292P	0 1684 1
PLSX2	0 1100 1
PLSX24	0 1100 1
PLSX34	0 1690 1
PLSX44	0 1691 1
PLSX54	0 1689 1
PLX102	0 1692 1
PS129A	0 0654 0
PS129B	0 0655 0
PS132A	0 0584 0
PS133B	0 0585 0
PS140/0	0 0673 0
PS141/S	0 0674 0
PS145	0 0693 0
PS64	0 0601 0
PS99	0 0575 0
PSX106-1072	0 1753 1
PSX108-1092	0 1760 1
PSX1124	0 1755 1
PSX115-1162	0 1757 1
PSX119-1202	0 1760 1
PSX122-123-124	0 1761 1
PSX1292+1P	0 1766 1
PSX1304	0 1767 1
PSX1324	0 1769 1
PSX1332	0 1770 1
PSX136-1374	0 1771 1
PSX138-1392	0 1775 1
PSX140-1414	0 1776 1
PSX142-1434	0 1779 1
PSX142-1444	0 1752 1
PSX144-145K	9 1778 1
PSX146-147K	9 1777 1
PSX152-1538	0 1780 1
PSX1554	0 1728 1
PSX1564	0 1726 1
PSX1584	0 1752 1
PSX54-692	0 1738 1
PSX64-702	0 1741 1
PSX77-784	0 1759 1
PSX81-824	0 1746 1
PSX83-844	0 1750 1
PSX884	0 1756 1
PX502	0 1710 1
PX52-542	0 1712 1
PX582	0 1717 1
PX602	0 1719 1
RX1034	0 1256 1
RX103E2	0 1268 1
RX103F2	0 1267 1
RX1044	0 1280 1
RX1202	0 1250 1
RX1204	0 1251 1
RX1214	0 1286 1
RX1224	0 1280 1
RX122H4	0 1256 1
RX1246	0 1281 1
RX124H6	0 1257 1
RX128H6	0 1281 1
RX1344	0 1282 1
RX134H4	0 1259 1
RX1354	0 1283 1
RX135H4	0 1260 1
RX1364	0 1259 1

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CARGO

IKA

RX1374	0 1260 1
RX604	0 1284 1
RX708	0 1289 1
RX874	0 1287 1
RX9212	0 1293 1
RX954	0 1288 1
SVX52	0 1781 1
SVX72	0 1781 1
SVX92	0 1781 1
USX50-512	0 1353 1
USX50-514	0 1354 1
USX64-652	0 1355 1
USX73-852	0 1361 1
USX76-77-78	0 1363 1
USX91-922	0 1367 1
USX93-942+1	0 1368 1
UX79-802	0 1321 1
UX842	0 1324 1
UX852	0 1325 1
UX922	0 1332 1

DELCO

IKA

1 0159 505	0 0454 0
1 0456 457	0 0235 0
1 0456 458	0 0236 0
1 0457 119	0 0232 0
1 0457 120	0 0234 0
1 0467 935	0 0220 0
1 0484 034	0 0515 0
1 0495 229	0 0218 0
1 0499 509	0 0523 0
1 0499 510	0 0522 0
1 0499 511	0 0220 0
1 0499 524	0 0231 0
1 0520 138	0 0490 0
1 852 880	0 0212 0
1 852 883	0 0391 0
1 852 884	0 0240 0
1 852 887	0 0241 0
1 852 888	0 0392 0
1 852 889	0 0390 0
1 852 892	0 0243 0
1 852 893	0 0394 0
1 852 894	0 0393 0
1 852 898	0 0230 0
1 894 564	0 0220 0
1 906 918	0 0224 0
1 906 945	0 0221 0
1 906 958	0 0223 0
1 906 962	0 0223 0
1 906 966	0 0221 0
1 906 968	0 0223 0
1 906 986	0 0222 0
1 906 987	0 0223 0
1 906 989	0 0224 0
1 942 360	0 0215 0
1 946 400	0 0221 0
1 946 407	0 0222 0
1 946 426	0 0224 0
1 946 434	0 0225 0
1 946 483	0 0222 0
1 946 487	0 0224 0
1 971 521	0 1267 1
1 971 523	0 0216 0
1 976 861	0 0225 0
1 989 660	0 0219 0
1 989 661	0 0218 0
1 995 564	0 1270 1
1045 1570	3 3531 1

DELCO

IKA

1045 3582	3 3531 1
1045 6456	7 7178 1
1046 8705	7 7175 1
1046 9238	7 7175 1
1047 2352	7 7263 1
1047 2881	7 7162 1
1047 3364	7 7162 1
1047 4532	8 8433 0
1047 5011	7 7163 1
1047 5030	1 4107 0
1047 5107	7 7264 1
1047 5602	7 7169 1
1047 5632	4 2223 0
1047 5742	1 4107 0
1047 5746	7 7164 1
1047 8450	1 4107 0
1047 9923	1 2095 0
1048 0403	3 3531 1
1048 4640	3 3537 1
1048 4670	3 3537 1
1049 0180	7 7162 1
1049 2749	7 7177 1
1049 3077	3 5313 1
1051 1026	3 5328 1
110 1196	1 2007 0
110 1199	1 2007 0
110 1551	1 2007 0
183 9345	4 4200 0
189 4559	7 7174 0
189 4635	4 4201 0
189711	8 8433 0
192 3907	4 4206 0
193 2190	4 4203 0
194 5509	4 4201 0
196 2606	4 4205 0
196 8338	4 4203 0
197 9387	7 7176 1
197 9494	7 7176 1
198 4268	4 4206 0
198 4974	7 7180 1
198 5065	7 7180 1
198 6951	7 7162 1
198 8096	4 4202 0
198 8121	7 7168 1
198 8439	7 7168 1
198 9651	7 7162 1
2102 3232	4 2219 0
2102 3719	4 2219 0
2102 3994	4 2218 0
2102 4210	4 2218 0
347 1009	0 0226 0
347 1022	0 0238 0
347 1024	0 0229 0
347 1069	4 4204 0
347 1487	0 0226 0
347 1488	0 0237 0
347 1505	0 1251 1
347 1506	0 1250 1
347 1553	4 4204 0
347 1625	0 1294 1
347 1764	0 1292 1
347 1783	0 1295 1
347 1834	0 1295 1
347 2316	7 7160 1
347 2319	7 7160 1
347 2455	8 8684 0
7 982 543	0 0217 0
9210 0510	1 2035 0
943 6831	8 8200 0
943 7171	8 4207 0

DELCO

IKA

944 0923	8 4079 0
944 1510	8 8674 0
D 757	0 0221 0
D 759	0 0223 0
D 760	0 0221 0
D 761	0 0223 0
D 764	0 0212 0
DR 1901	4 7161 0
DR 2003	4 4203 0
DR 700	0 1251 1
DR 701	7 7160 1
DR 702	0 0216 0
DR 751	0 1250 1
DR 901	4 3499 0

DENSO

IKA

021010-1440	3 5377 1
021040-0960	3 3535 1
021040-0970	3 3539 1
021040-1001	3 5364 1
021040-1040	3 5364 1
021040-1042	3 5364 1
021040-1060	3 3578 1
021040-1070	3 5379 1
021040-1110	3 3594 0
021040-1180	3 5364 1
021040-1190	3 3594 0
021040-1241	3 3595 1
021040-1450	3 3594 1
021040-1570	3 5355 1
021551-0840	1 3676 0
021551-0841	1 3676 0
021551-0950	1 3676 0
021551-1120	1 3696 0
021551-1190	1 3677 0
021551-1330	1 3698 0
021551-1480	1 3678 0
021551-1510	1 3694 0
021551-2150	1 3693 0
021551-2260	1 3695 0
021551-2450	1 3699 0
021551-2580	1 3699 0
021551-2640	1 3697 0
021551-3780	1 3699 0
023740-0200	0 0893 0
023740-0210	0 0893 0
028099-2680	4 3531 0
028099-2690	4 3533 0
028099-2790	4 3523 0
028099-2820	4 3531 0
028099-3000	4 3529 0
028099-3020	4 3525 0
028099-3030	4 3531 0
028099-3040	4 3529 0
028099-3160	4 3524 0
028099-3390	4 3525 0
028099-3430	0 0889 0
028099-3550	0 0986 0
028099-3780	4 3523 0
028099-3950	0 0889 0
028099-5450	0 0939 0
028099-6180	0 0933 0
028099-6430	4 3526 0
028099-6431	4 3526 0
028099-6432	4 3526 0
028099-6600	4 3534 0
028099-7100	4 3523 0
028099-7210	4 3478 0
028099-7230	4 3477 0

CROSS REFERENCE LIST

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EURO REF.

IKA

B 213 m.D. is.m.Z	0 0045 0
B 213 m.D.is. m.ZK	0 0047 0
B 213 m.D.unsort.	0 0046 0
B 214	0 0036 0
B 214 i	0 0039 0
B 215 / 218	0 0038 0
B 216 / 206	0 0034 0
B 219	0 0037 0
B 220	0 0048 0
BLSX 138-139	0 1687 1
BS 12	0 0051 0
BS 33	0 0053 0
BS 34 / 72	0 0054 0
BS 35	0 0055 0
BS 36 / MAS 4	0 0056 0
BS 39 / 40	0 0057 0
BS 43	0 0191 0
BS 44	0 0059 0
BS 44/920	0 0120 0
BS 49 S / BS 104 S	0 0210 0
BS 52 / 74	0 0068 0
BS 60 S / BS 131 S	0 0199 0
BS 70 S	0 0060 0
BS 70/0	0 0121 0
BS 75 S	0 0192 0
BS 75/0	0 0071 0
BS 93	0 0092 0
BS 96 / 118 / 136	0 0074 0
BS 96 S	0 0198 0
BS 100 / 113	0 0078 0
BS 100 S	0 0202 0
BS 102 S	0 0203 0
BS 102/0	0 0080 0
BS 104/0	0 0124 0
BS 129/130	0 0097 0
BS 134	0 0099 0
BS 134 S	0 0200 0
BS 134/0 = BS 155	0 0119 0
BS 134/0 S = BS 155 S	0 0206 0
BS 135	0 0100 0
BS 135 S	0 0204 0
BS 135/0 N	0 0137 0
BS 135/0 S	0 0189 0
BS 137	0 0102 0
BS 137 N	0 0162 0
BS 137 S	0 0195 0
BS 138	0 0103 0
BS 138/0	0 0177 0
BS 139	0 0104 0
BS 139 N	0 0043 0
BS 139 S	0 0197 0
BS 140	0 0105 0
BS 140/0 = BS 152	0 0125 0
BS 140/0 S = BS 152 S	0 0062 0
BS 142	0 0107 0
BS 143	0 0108 0
BS 143 N	0 0163 0
BS 143 S	0 0196 0
BS 144	0 0109 0
BS 144 S	0 0201 0
BS 144/0 isoliert	0 0138 0
BS 144/0 = BS 155 L	0 0106 0
BS 145	0 0110 0
BS 145 S	0 0205 0
BS 145/0 N	0 0149 0
BS 145/0 N isoliert	0 0139 0
BS 146	0 0111 0
BS 147	0 0112 0
BS 148	0 0113 0
BS 148 N	0 0164 0

EURO REF.

IKA

BS 148 S	0 0193 0
BS 149 / 154 / 156	0 0114 0
BS 149/154/156 S	0 0063 0
BS 151	0 0117 0
BS 151 S	0 0021 0
BS 151/0	0 0126 0
BS 151/0 N	0 0168 0
BS 153	0 0118 0
BS 157	0 0127 0
BS 157 K Mercedes	0 0141 0
BS 157 N	0 0170 0
BS 157 S	0 0004 0
BS 158	0 0128 0
BS 158 K Mercedes	0 0146 0
BS 158 N	0 0171 0
BS 158 S	0 0005 0
BS 159	0 0129 0
BS 159 N	0 0172 0
BS 159 S	0 0006 0
BS 160	0 0130 0
BS 160 N	0 0173 0
BS 160 S	0 0008 0
BS 161 S	0 0016 0
BS 162 S	0 0017 0
BS 163 / 167	0 0133 0
BS 164 / 168	0 0134 0
BS 165	0 0135 0
BS 166	0 0140 0
BS 170	0 0151 0
BS 170/0 N	0 0165 0
BS 171	0 0152 0
BS 171/0 N	0 0166 0
BS 172	0 0153 0
BS 172 S	0 0301 0
BS 173	0 0154 0
BS 173 S	0 0306 0
BS 174	0 0101 0
BS 175	0 0155 0
BS 175 N	0 0088 0
BS 176	0 0156 0
BS 176 N	0 0123 0
BS 177	0 0157 0
BS 177 N	0 0031 0
BS 177 S	0 0315 0
BS 178	0 0158 0
BS 179	0 0159 0
BS 180	0 0180 0
BS 181	0 0181 0
BS 182	0 0142 0
BS 183	0 0143 0
BS 184	0 0144 0
BS 185	0 0145 0
BS 186	0 0186 0
BS 187	0 0187 0
BS 188	0 0115 0
BS 189	0 0188 0
BS 189/0	0 0116 0
BS 190	0 0147 0
BS 190 N	0 0273 0
BS 191	0 0148 0
BS 191 N	0 0294 0
BS 192	0 0178 0
BS 192 N	0 0295 0
BS 193	0 0179 0
BS 193 N	0 0296 0
BS 194	0 0184 0
BS 195	0 0185 0
BS 196	0 0150 0
BS 197	0 0131 0
BS 198	0 0182 0

EURO REF.

IKA

BS 199	0 0183 0
BS 200	0 0132 0
BS 201	0 0136 0
BS 202	0 0091 0
BS 203	0 0093 0
BS 204	0 0194 0
BS 205	0 0209 0
BS 206	0 0049 0
BS 207	0 0050 0
BS 210	0 0083 0
BS 211	0 0085 0
BS 212	0 0095 0
BS 213	0 0096 0
BS 214	0 0276 0
BS 215	0 0277 0
BS 216	0 0064 0
BS 217	0 0067 0
BS 218	0 0282 0
BS 219	0 0283 0
BS 220	0 0284 0
BS 221	0 0285 0
BS 222	0 0409 0
BS 223	0 0410 0
BS 224	0 0411 0
BS 225	0 0412 0
BS 226	0 0413 0
BS 227	0 0414 0
BS 228	0 0415 0
BS 229	0 0416 0
BS 230	0 0417 0
BS 231	0 0274 0
BS 232	0 0275 0
BS 233	0 0278 0
BS 234	0 0207 0
BS 235	0 0208 0
BS 236	0 0190 0
BS 237	0 0175 0
BS 238	0 0176 0
BS 239	0 0169 0
BS 240	0 0174 0
BS 241	0 0161 0
BS 242	0 0167 0
BS 592	0 0122 0
BSX 12	0 1100 1
BSX 33	0 1102 1
BSX 34	0 1103 1
BSX 35	0 1104 1
BSX 36	0 1099 1
BSX 39	0 1105 1
BSX 43 (4)	0 1106 1
BSX 44 (4)	0 1107 1
BSX 44/920	0 1195 1
BSX 49 S	0 1008 1
BSX 53 / 59 (2)	0 1112 1
BSX 62	0 1118 1
BSX 67	0 1119 1
BSX 70	0 1121 1
BSX 70 S	0 1205 1
BSX 74	0 1123 1
BSX 75	0 1124 1
BSX 75 S	0 1009 1
BSX 76	0 1125 1
BSX 93	0 1130 1
BSX 96	0 1132 1
BSX 96 S	0 1025 1
BSX 100	0 1136 1
BSX 100 S	0 1026 1
BSX 102	0 1138 1
BSX 102 S	0 1202 1
BSX 104 (2)	0 1140 1

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EURO REF.	IKA	EURO REF.	IKA	EURO REF.	IKA
BSX 105 (2) S	0 1198 1	BSX 237-238	0 1210 1	FX 74	0 1530 1
BSX 129/130	0 1145 1	BSX 239-240	0 1030 1	FX 74-78	0 1522 1
BSX 131 S	0 1199 1	BSX 241-242	0 1033 1	FX 75	0 1524 1
BSX 134-144	0 1147 1	BSX 592	0 1196 1	FX 76-77	0 1523 1
BSX 134-144 S	0 1200 1	BX 68 (4)	0 1034 1	GS 1	0 0710 0
BSX 135-145	0 1148 1	BX 104 (2)	0 1035 1	GS 4	0 0711 0
BSX 135-145 S	0 1203 1	BX 104 (4)	0 1036 1	GS 7	0 0712 0
BSX 137-143	0 1149 1	BX 140 (4)	0 1043 1	GS 8	0 0713 0
BSX 137-143 S	0 1201 1	BX 151	0 1044 1	GS 9	0 0716 0
BSX 138-142	0 1150 1	BX 165	0 1075 1	GS 11	0 0714 0
BSX 139	0 1151 1	BX 169	0 1048 1	GS 15	0 0715 0
BSX 139 S	0 1204 1	BX 182	0 1051 1	GS 16	0 0717 0
BSX 140	0 1152 1	BX 185	0 1052 1	GS 17	0 0718 0
BSX 146	0 1154 1	BX 188	0 1079 1	GS 18	0 0719 0
BSX 147	0 1155 1	BX 190	0 1080 1	GS 19	0 0720 0
BSX 148	0 1156 1	BX 192 (4)	0 1069 1	GS 20	0 0721 0
BSX 148 S	0 1029 1	BX 198	0 1084 1	GS 21	0 0722 0
BSX 149	0 1157 1	BX 199	0 1081 1	GS 22	0 0723 0
BSX 149 S	0 1207 1	BX 202	0 1061 1	GSX 1	0 1370 1
BSX 151	0 1158 1	BX 203	0 1086 1	GSX 4	0 1371 1
BSX 151/0	0 1159 1	BX 204	0 1062 1	GSX 7	0 1372 1
BSX 152	0 1162 1	BX 208	0 1063 1	GSX 8	0 1373 1
BSX 152 S	0 1206 1	BX 209	0 1066 1	GSX 9	0 1369 1
BSX 153	0 1160 1	BX 213	0 1065 1	GSX 11	0 1374 1
BSX 155	0 1164 1	BX 214	0 1067 1	GSX 15	0 1375 1
BSX 155 S	0 1213 1	BX 215	0 1068 1	GSX 16-17	0 1376 1
BSX 157-158	0 1165 1	BX 216	0 1064 1	GSX 18	0 1377 1
BSX 157-158 K Mercedes	0 1167 1	BX 219	0 1082 1	GSX 19	0 1378 1
BSX 159-160	0 1166 1	BX 220	0 1083 1	GSX 20	0 1379 1
BSX 163-164	0 1168 1	F 67	0 0385 0	GSX 21	0 1383 1
BSX 165	0 1169 1	F 68 blue	0 0433 0	GSX 22	0 1384 1
BSX 166	0 1173 1	F 68 red	0 0434 0	H 3	0 0848 0
BSX 170-171	0 1171 1	F 70	0 0388 0	H 5/6	0 0849 0
BSX 172-173	0 1172 1	F 71	0 0425 0	H 16	0 0850 0
BSX 172-173 S	0 1013 1	F 72	0 0495 0	H 26	0 0851 0
BSX 172-173-174	0 1194 1	F 73	0 0247 0	H 54	0 0852 0
BSX 175-176	0 1175 1	F 73 R	0 0450 0	H 56	0 0853 0
BSX 177	0 1174 1	F 74	0 0440 0	H 106	0 0854 0
BSX 177 S	0 1014 1	F 75	0 0535 0	H 109	0 0855 0
BSX 178-179	0 1176 1	F 76	0 0442 0	H 116	0 0864 0
BSX 180-181	0 1177 1	F 77	0 0437 0	H 124	0 0857 0
BSX 182-183	0 1087 1	F 78 w. bus bar	0 0436 0	H 155	0 0847 0
BSX 184-185	0 1088 1	FE 26	0 0540 0	H 161	0 0865 0
BSX 186	0 1179 1	FE 27	0 0541 0	H 172	0 0863 0
BSX 186-187	0 1180 1	FE 28	0 0542 0	H 341 / H 111	0 0859 0
BSX 190-191	0 1183 1	FES 6	0 0543 0	H 346	0 0856 0
BSX 192-193	0 1184 1	FES 7	0 0544 0	H 7612	0 0862 0
BSX 194-195	0 1186 1	FES 9	0 0539 0	H 9715	0 0861 0
BSX 196	0 1187 1	FES 13	0 0545 0	HPI 1 MAD Faurecia	0 0800 0
BSX 197	0 1170 1	FES 16	0 0546 0	HPI 2 MAD4 Faurecia	0 0801 0
BSX 198-199	0 1182 1	FES 24	0 0547 0	HPI 3 MAD2 Faurecia	0 0802 0
BSX 200-201	0 1188 1	FES 25	0 0548 0	HPI 4 Siemens-VDO	0 0803 0
BSX 202-203	0 1178 1	FES 26	0 0549 0	HPIX 1 MAD Faurecia	0 1800 1
BSX 204-205	0 1197 1	FESX 6-7	0 1390 1	HPIX 2 MAD4 Faurecia	0 1801 1
BSX 206-207	0 1089 1	FESX 9	0 1391 1	HPIX 3 MAD2 Faurecia	0 1802 1
BSX 210-211	0 1091 1	FESX 13	0 1394 1	HPIX 4 Siemens-VDO	0 1803 1
BSX 212-213	0 1092 1	FESX 16	0 1395 1	HX 3	0 1795 1
BSX 214-215	0 1093 1	FESX 24	0 1397 1	HX 6	0 1785 1
BSX 216-217	0 1094 1	FESX 25-26	0 1396 1	HX 16	0 1794 1
BSX 218-219	0 1095 1	FEX 26	0 1380 1	HX 26	0 1796 1
BSX 220-221	0 1096 1	FEX 27	0 1381 1	HX 54	0 1793 1
BSX 222-223	0 1220 1	FEX 28	0 1382 1	HX 56	0 1786 1
BSX 224-225	0 1219 1	FX 5-6	0 1521 1	HX 106	0 1798 1
BSX 226-227	0 1218 1	FX 41	0 1525 1	HX 109	0 1797 1
BSX 228	0 1217 1	FX 67	0 1526 1	HX 116	0 1790 1
BSX 229-230	0 1216 1	FX 68	0 1222 0	HX 124	0 1791 1
BSX 231-232-215	0 1214 1	FX 68	0 1222 1	HX 155	0 1788 1
BSX 233	0 1215 1	FX 70-71	0 1527 1	HX 161	0 1799 1
BSX 234-235	0 1212 1	FX 70-72	0 1528 1	HX 172	0 1789 1
BSX 236	0 1211 1	FX 73	0 1529 1	HX 341	0 1792 1

VERGLEICHSLISTE

CROSS REFERENCE LIST

EURO REF.

IKA

HX 346	0 1787 1
IKS 2	0 0378 0
IKS 3	0 0379 0
IKS 4	0 0380 0
IKS 5	0 0381 0
IKS 6	0 0382 0
IKS 7	0 0383 0
IKS 10	0 0374 0
IKS 11	0 0375 0
IKS 13	0 0438 0
IKS 14	0 0439 0
IKSX 2-3	0 1532 1
IKSX 4	0 1533 1
IKSX 5-6	0 1534 1
IKSX 7	0 1535 1
IKSX 8-9 2component	0 1536 1
IKSX 10	0 1539 1
IKSX 10-11	0 1537 1
IKSX 12	0 1538 1
IKSX 13-14	0 1549 1
J 16	0 0300 0
J 18	0 0298 0
J 22	0 0302 0
J 24	0 0303 0
J 25	0 0304 0
J 26	0 0305 0
J 30/33/34	0 0309 0
J 31/35	0 0310 0
J 32	0 0311 0
J 40/0-41/0	0 0312 0
J 42	0 0317 0
J 43	0 0318 0
J 44	0 0299 0
JAA 5/8	0 0897 0
JAA 9	0 0900 0
JAA 10	0 0898 0
JAA 12	0 0899 0
JAA 15	0 0901 0
JAA 16	0 0902 0
JAA 19	0 0904 0
JAA 20 / 29	0 0905 0
JAA 24	0 0906 0
JAA 25	0 0907 0
JAA 28	0 0917 0
JAA 31	0 0916 0
JAA 32	0 0913 0
JAA 33	0 0914 0
JAA 34	0 0912 0
JAA 35	0 0915 0
JAA 36	0 0919 0
JAA 36 ST	0 0903 0
JAA 37	0 0920 0
JAA 38	0 0921 0
JAA 39	0 0922 0
JA-AX 5-8	0 1907 1
JA-AX 9	0 1900 1
JA-AX 10	0 1899 1
JA-AX 12	0 1901 1
JA-AX 15	0 1904 1
JA-AX 16	0 1902 1
JA-AX 19	0 1906 1
JA-AX 20 / 29	0 1905 1
JA-AX 24	0 1910 1
JA-AX 25 / 18	0 1911 1
JA-AX 28	0 1917 1
JA-AX 31	0 1909 1
JA-AX 32	0 1912 1
JA-AX 33	0 1913 1
JA-AX 34	0 1914 1
JA-AX 35	0 1915 1

EURO REF.

IKA

JA-AX 36	0 1916 1
JA-AX 36 ST	0 1903 1
JA-AX 37	0 1918 1
JA-AX 38	0 1919 1
JA-AX 39	0 1920 1
JA-AX 40	0 1908 1
JAS 1 Denso	0 0881 0
JAS 2	0 0882 0
JAS 3	0 0930 0
JAS 3/0	0 0929 0
JAS 6	0 0932 0
JAS 10	0 0910 0
JAS 100	0 0888 0
JAS 11	0 0911 0
JAS 14	0 0940 0
JAS 15	0 0941 0
JAS 18	0 0887 0
JAS 19	0 0890 0
JAS 21	0 0885 0
JAS 22	0 0944 0
JAS 23	0 0894 0
JAS 24	0 0908 0
JAS 25	0 0909 0
JAS 26	0 0999 0
JAS 27	0 0990 0
JAS 28	0 0918 0
JAS 28/0 w/o. termin	0 0880 0
JAS 29	0 0949 0
JAS 30	0 0936 0
JAS 31	0 0952 0
JAS 32	0 0950 0
JAS 33	0 0951 0
JAS 34	0 0934 0
JAS 35	0 0935 0
JAS 36	0 0977 0
JAS 37	0 0978 0
JAS 38	0 0938 0
JAS 39	0 0939 0
JAS 39 C	0 0937 0
JAS 40	0 0953 0
JAS 40/0	0 0883 0
JAS 41	0 0954 0
JAS 42	0 0955 0
JAS 42/0	0 0884 0
JAS 43	0 0957 0
JAS 44	0 0923 0
JAS 45	0 0945 0
JAS 46	0 0946 0
JAS 47	0 0947 0
JAS 48	0 0948 0
JAS 49	0 0924 0
JAS 50	0 0942 0
JAS 51	0 0943 0
JAS 52	0 0933 0
JAS 53	0 0931 0
JAS 54 FCC	0 0895 0
JAS 54/0	0 1000 0
JAS 55 FCC	0 0896 0
JAS 56	0 0959 0
JAS 56/0	0 0956 0
JAS 57	0 0960 0
JAS 58	0 0961 0
JAS 59	0 0926 0
JAS 60	0 0927 0
JAS 61	0 0925 0
JAS 62	0 0965 0
JAS 63	0 0966 0
JAS 65	0 0968 0
JAS 66	0 0969 0
JAS 67	0 0970 0

EURO REF.

IKA

JAS 68	0 0891 0
JAS 69	0 0972 0
JAS 70	0 0973 0
JAS 71	0 0964 0
JAS 72	0 0971 0
JAS 73	0 0892 0
JAS 74	0 0974 0
JAS 75	0 0975 0
JAS 77	0 0986 0
JAS 78	0 0987 0
JAS 79	0 0893 0
JAS 80/91	0 0980 0
JAS 81	0 0981 0
JAS 82	0 0982 0
JAS 83	0 0983 0
JAS 84 flex 33 mm	0 0984 0
JAS 85	0 0985 0
JAS 86	0 0962 0
JAS 87	0 0963 0
JAS 88	0 0991 0
JAS 89 flex 22 mm	0 0889 0
JAS 90	0 0989 0
JAS 92	0 0992 0
JAS 93	0 0993 0
JAS 94	0 0994 0
JAS 95	0 0995 0
JAS 96	0 0996 0
JAS 97	0 0988 0
JAS 98	0 0997 0
JAS 99	0 0998 0
JA-SX 1	0 1943 1
JA-SX 2	0 1946 1
JA-SX 100	0 1999 1
JA-SX 10-11	0 1955 1
JA-SX 101-102	0 1933 0
JA-SX 101-102	0 1933 1
JA-SX 14 (4)	0 1940 1
JA-SX 15-6 (4)	0 1942 1
JA-SX 16-17	0 1998 1
JA-SX 18-19	0 1996 1
JA-SX 21(4)	0 1987 1
JA-SX 22 (2)	0 1944 1
JA-SX 22 (4)	0 1945 1
JA-SX 23	0 1980 1
JA-SX 24-25	0 1979 1
JA-SX 26-27	0 1978 1
JA-SX 29	0 1949 1
JA-SX 31	0 1952 1
JA-SX 32-33	0 1951 1
JA-SX 34-30	0 1934 1
JA-SX 35	0 1935 1
JA-SX 36-37	0 1937 1
JA-SX 38	0 1936 1
JA-SX 39	0 1938 1
JA-SX 39 C	0 1939 1
JA-SX 40-41	0 1953 1
JA-SX 42-43	0 1954 1
JA-SX 44-28	0 1941 1
JA-SX 45-46	0 1956 1
JA-SX 47-48	0 1957 1
JA-SX 49-61	0 1948 1
JA-SX 50-51	0 1961 1
JA-SX 52	0 1962 1
JA-SX 53	0 1963 1
JA-SX 54-55	0 1964 1
JA-SX 56-3	0 1959 1
JA-SX 56-3/0	0 1958 1
JA-SX 57-58	0 1960 1
JA-SX 59-60	0 1950 1
JA-SX 62	0 1965 1

VERGLEICHSLISTE

CROSS REFERENCE LIST

EURO REF.

IKA

JA-SX 63	0 1966 1
JA-SX 64-65-67	0 1968 1
JA-SX 66-67	0 1969 1
JA-SX 68-73	0 1976 1
JA-SX 69-70 (3)	0 1970 1
JA-SX 69-70 (4)	0 1971 1
JA-SX 70	0 1967 1
JA-SX 71	0 1973 1
JA-SX 71-72	0 1972 1
JA-SX 74	0 1975 1
JA-SX 74-75	0 1974 1
JA-SX 77-78	0 1977 1
JA-SX 79	0 1997 1
JA-SX 80-81	0 1982 1
JA-SX 82-83 (3)	0 1981 1
JA-SX 82-83 (4)	0 1983 1
JA-SX 84	0 1984 1
JA-SX 85	0 1985 1
JA-SX 86-87	0 1986 1
JA-SX 88	0 1988 1
JA-SX 89	0 1991 1
JA-SX 90	0 1989 1
JA-SX 91	0 1990 1
JA-SX 92-93 12V	0 1992 1
JA-SX 94-95 24V	0 1993 1
JA-SX 96-97 24V	0 1995 1
JA-SX 98-99 12V	0 1994 1
JS 5	0 0321 0
JS 5 Original	0 0319 0
JS 5/0 Original	0 0351 0
JS 6 / 12	0 0332 0
JS 7/11	0 0322 0
JS 9/14	0 0323 0
JS 13	0 0325 0
JS 13 Original	0 0343 0
JS 13/0 Original	0 0352 0
JS 15	0 0326 0
JS 16	0 0327 0
JS 16 Original	0 0344 0
JS 17	0 0324 0
JS 18	0 0328 0
JS 19	0 0329 0
JS 21	0 0330 0
JS 22 / 26	0 0331 0
JS 23	0 0334 0
JS 24	0 0335 0
JS 25 / 27	0 0336 0
JS 28	0 0339 0
JS 29 / 30	0 0341 0
JS 31	0 0345 0
JS 32	0 0346 0
JS 33	0 0348 0
JS 34	0 0349 0
JS 35 = JS 36/0	0 0356 0
JS 36	0 0354 0
JS 37	0 0355 0
JS 38 / 47	0 0357 0
JS 39	0 0358 0
JS 40	0 0359 0
JS 41	0 0360 0
JS 42	0 0361 0
JS 43 / 50	0 0362 0
JS 44 / 48	0 0363 0
JS 45	0 0364 0
JS 46	0 0365 0
JS 49	0 0368 0
JS 51 / 62	0 0370 0
JS 52 / 61	0 0371 0
JS 53	0 0372 0
JS 54	0 0373 0

EURO REF.

IKA

JS 55 / 57	0 0366 0
JS 56	0 0367 0
JS 58	0 0369 0
JS 59	0 0350 0
JS 63	0 0347 0
P95	0 0395 0
P95	0 0396 0
P76	0 0340 0
P76	0 0342 0
P70	0 0397 0
P70	0 0398 0
P70	0 0399 0
P70	0 0400 0
JSX 5	0 1451 1
JSX 9	0 1454 1
JSX 11	0 1453 1
JSX 12	0 1456 1
JSX 13 (4)	0 1457 1
JSX 14	0 1455 1
JSX 15	0 1458 1
JSX 16	0 1459 1
JSX 17	0 1460 1
JSX 18	0 1461 1
JSX 19	0 1462 1
JSX 21-22	0 1464 1
JSX 23-24-28	0 1466 1
JSX 25-22	0 1467 1
JSX 26-27	0 1468 1
JSX 29-30	0 1469 1
JSX 31-32	0 1470 1
JSX 33-34	0 1471 1
JSX 35-36	0 1472 1
JSX 35-37	0 1473 1
JSX 38-39-40 (3)	0 1474 1
JSX 38-40-58 (4)	0 1482 1
JSX 38-41(2)	0 1475 1
JSX 38-42(2)	0 1476 1
JSX 40-46-47 (4)	0 1477 1
JSX 43-45-44 (4)	0 1478 1
JSX 43-45-57 (3)	0 1483 1
JSX 48-49-50 (3)	0 1479 1
JSX 50-55-56 (3)	0 1484 1
JSX 51-52 (2)	0 1480 1
JSX 51-52-59 (3)	0 1485 1
JSX 51-52-63 (4)	0 1486 1
JSX 53-54	0 1481 1
JSX 61-62-63 (4)	0 1487 1
JSX 70-71	0 1490 1
P76	0 1491 1
P70	0 1492 1
JX 16	0 1405 1
JX 18	0 1407 1
JX 22	0 1410 1
JX 24-25	0 1411 1
JX 26	0 1413 1
JX 30-31	0 1415 1
JX 32	0 1417 1
JX 36-37	0 1430 1
JX 39-37	0 1432 1
JX 40-41/0	0 1422 1
JX 42	0 1433 1
JX 43	0 1434 1
JX 44	0 1435 1
LA 9	0 0401 0
LA 23/27	0 0402 0
LA 29	0 0403 0
LA 30	0 0407 0
LA 31	0 0404 0
LA 32	0 0405 0
LA 33	0 0406 0

EURO REF.

IKA

LA 80	0 0418 0
LA 81	0 0419 0
LA 82 (80-81/0)	0 0420 0
LA 83	0 0421 0
LA 84	0 0422 0
LA 85	0 0423 0
LA 86	0 0424 0
Lada brushes kit	0 1681 1
Lada negative brush	0 0492 0
Lada positive brush	0 0493 0
LAS 2	0 0451 0
LAS 5	0 0452 0
LAS 6	0 0453 0
LAS 15/30	0 0455 0
LAS 16	0 0456 0
LAS 27/32	0 0457 0
LAS 31	0 0458 0
LAS 36	0 0459 0
LAS 38	0 0461 0
LAS 39	0 0462 0
LAS 40 R	0 0489 0
LAS 41 R	0 0435 0
LAS 42	0 0473 0
LAS 43 w. terminal	0 0494 0
LAS 44	0 0474 0
LAS 45 / 46	0 0475 0
LAS 47	0 0477 0
LAS 48	0 0478 0
LAS 73 R	0 0429 0
LAS 74 R	0 0443 0
LAS 75 R	0 0444 0
LAS 76 R	0 0445 0
LAS 77 R	0 0463 0
LAS 78 R	0 0464 0
LAS 79 R	0 0465 0
LAS 80 R	0 0466 0
LAS 81	0 0467 0
LAS 82	0 0468 0
LAS 83,	0 0469 0
LAS 84	0 0470 0
LAS 85	0 0479 0
LAS 86	0 0480 0
LAS 87	0 0460 0
LAS 88	0 0484 0
LAS 90	0 0485 0
LAS 91	0 0486 0
LAS 92	0 0487 0
LAS 93	0 0488 0
LASX 2	0 1600 1
LASX 5-6	0 1604 1
LASX 15-16	0 1608 1
LASX 15-27	0 1609 1
LASX 30-31-32	0 1613 1
LASX 31	0 1614 1
LASX 36	0 1615 1
LASX 37-38-39	0 1616 1
LASX 40-41	0 1617 1
LASX 42	0 1618 1
LASX 43-44 w. term.	0 1628 1
LASX 43-44/0 w/o.term.	0 1619 1
LASX 43-47-48 w. term.	0 1622 1
LASX 44-45	0 1620 1
LASX 46-47-48	0 1612 1
LASX 73-41	0 1621 1
LASX 74-79-80	0 1605 1
LASX 75 (4)	0 1601 1
LASX 76 (4)	0 1603 1
LASX 77-78-74	0 1606 1
LASX 81-82	0 1607 1
LASX 83-84	0 1610 1

VERGLEICHSLISTE

CROSS REFERENCE LIST

EURO REF.	IKA	EURO REF.	IKA	EURO REF.	IKA
LASX 85-84	0 1611 1	PLSX 3	0 1690 1	PS 165	0 0691 0
LASX 86-79-80	0 1623 1	PLSX 4	0 1691 1	PS 166	0 0590 0
LASX 87-77-78	0 1624 1	PLSX 5	0 1689 1	PS 167	0 0591 0
LASX 88-77-78	0 1625 1	PLX 5	0 1688 1	PS 168	0 0593 0
LASX 90-91	0 1626 1	PLX 10	0 1692 1	PS 169	0 0594 0
LASX 92-93	0 1627 1	PLX 11	0 1693 1	PS 170	0 0595 0
LAX 9	0 1550 1	PS 64 KS/0	0 0603 0	PSX 55-76	0 1738 1
LAX 23	0 1553 1	PS 64 S	0 0601 0	PSX 64-70 (2)	0 1741 1
LAX 29	0 1558 1	PS 81 KS/0	0 0573 0	PSX 64-70 (4)	0 1742 1
LAX 30	0 1559 1	PS 82 S	0 0574 0	PSX 81-82	0 1746 1
LAX 31	0 1560 1	PS 83/114	0 0612 0	PSX 83-84	0 1750 1
LAX 31-32	0 1561 1	PS 84/113	0 0613 0	PSX 88	0 1756 1
LAX 33	0 1562 1	PS 88	0 0617 0	PSX 89-90	0 1747 1
LAX 80	0 1568 1	PS 98 KS/0	0 0577 0	PSX 106-107	0 1753 1
LAX 80-81	0 1569 1	PS 98 S	0 0575 0	PSX 112	0 1755 1
LAX 80-83	0 1571 1	PS 106 K	0 0598 0	PSX 115-116	0 1757 1
LAX 82	0 1570 1	PS 107	0 0599 0	PSX 115-116 S	0 1700 1
LAX 84-85	0 1572 1	PS 112	0 0631 0	PSX 115-116-121	0 1759 1
LAX 86	0 1573 1	PS 115	0 0579 0	PSX 119-120	0 1760 1
M 3/4	0 0491 0	PS 115 S	0 0635 0	PSX 122-123-124	0 1761 1
MAS 3	0 0500 0	PS 116 K/0	0 0580 0	PSX 129	0 1766 1
MAS 13	0 0497 0	PS 116 S	0 0636 0	PSX 130	0 1767 1
MAS 14	0 0496 0	PS 119	0 0597 0	PSX 132	0 1769 1
MAS 15	0 0498 0	PS 120 K/0	0 0596 0	PSX 132 K	0 1762 1
MAS 16	0 0499 0	PS 122	0 0645 0	PSX 133 / PSX 131	0 1770 1
MAS 17	0 0505 0	PS 123	0 0646 0	PSX 133 K	0 1763 1
MAS 18	0 0506 0	PS 124	0 0647 0	PSX 133/0	0 1724 1
MAS 19	0 0507 0	PS 129 C	0 0655 0	PSX 136-137	0 1771 1
MAS 20	0 0508 0	PS 129 P	0 0654 0	PSX 138-139 (2)	0 1775 1
MAS 21	0 0503 0	PS 130	0 0656 0	PSX 140-141 (4)	0 1776 1
MAS 22	0 0504 0	PS 130 C	0 0658 0	PSX 142-143	0 1779 1
MAS 23	0 0509 0	PS 130 K	0 0657 0	PSX 142-144	0 1752 1
MAS 24	0 0510 0	PS 133 / PS 131	0 0584 0	PSX 142-145	0 1754 1
MAS 25	0 0511 0	PS 133 C / 131 C	0 0585 0	PSX 146-147 w/o.spring	0 1783 1
MAS 26	0 0512 0	PS 133 K	0 0588 0	PSX 148-149 S w/o.spri	0 1732 1
MAS 27	0 0513 0	PS 133 KC	0 0589 0	PSX 148-149 w/o spring	0 1773 1
MAS 28	0 0514 0	PS 136	0 0667 0	PSX 148-149/0	0 1774 1
MASX 3	0 1662 1	PS 137	0 0668 0	PSX 148-154 w/o.spring	0 1765 1
MASX 4	0 1660 1	PS 138 = 140	0 0675 0	PSX 148-157 w/o spring	0 1777 1
MASX 13-14	0 1663 1	PS 138/0 = 140/0	0 0673 0	PSX 148-158 w/o spring	0 1768 1
MASX 15-16	0 1664 1	PS 139 = 141	0 0674 0	PSX 148-159 w/o spring	0 1778 1
MASX 17-18	0 1665 1	PS 142 D7R	0 0681 0	PSX 152-153	0 1780 1
MASX 19-20	0 1666 1	PS 142 S D7R	0 0607 0	PSX 155 (3)	0 1727 1
MASX 21-22	0 1668 1	PS 143 D7R	0 0682 0	PSX 155 (4)	0 1728 1
MASX 23-24	0 1669 1	PS 143 S D7R	0 0608 0	PSX 156	0 1726 1
MASX 25-26	0 1670 1	PS 144 D7R5	0 0685 0	PSX 160-164 D7G c/w	0 1735 1
MASX 27-28	0 1671 1	PS 144/0	0 0678 0	PSX 161	0 1737 1
MOS 5	0 0520 0	PS 145 D7R	0 0672 0	PSX 163-164	0 1740 1
MOS 6	0 0521 0	PS 145/0	0 0669 0	PSX 165-164	0 1731 1
MOSX 5-6	0 1680 1	PS 146	0 0676 0	PSX 166-167	0 1743 1
MX 3-4	0 1683 1	PS 147	0 0677 0	PSX 168-167	0 1744 1
N.N.	0 0000 0	PS 148 O.E. Cu sn	0 0644 0	PSX 169-170	0 1745 1
NO 15	0 0524 0	PS 148 S	0 0605 0	PX 50	0 1710 1
NO 16	0 0525 0	PS 148/0 LL 46.5	0 0653 0	PX 52-54	0 1712 1
NO 29	0 0526 0	PS 148-149/0 D6RA	0 0680 0	PX 56	0 1715 1
NOX 15	0 1686 1	PS 149	0 0693 0	PX 58	0 1717 1
NOX 16	0 1685 1	PS 149 S	0 0606 0	PX 60	0 1719 1
NOX 29	0 1684 1	PS 149/0 LL 50	0 0652 0	PX 61	0 1720 1
P 50	0 0550 0	PS 152	0 0683 0	R 60	0 0221 0
P 52/56	0 0551 0	PS 153	0 0684 0	R 70	0 0222 0
P 54/55	0 0552 0	PS 154 O.E. Cu sn	0 0679 0	R 87	0 0223 0
P 58	0 0555 0	PS 155 D7E (R)	0 0686 0	R 92	0 0224 0
P 60	0 0557 0	PS 156 D7E (L)	0 0687 0	R 95	0 0225 0
P 61	0 0558 0	PS 157 O.E. Cu sn	0 0661 0	R 96 (R 120)	0 0212 0
PL 5	0 0528 0	PS 158 O.E. Cu sn	0 0665 0	R 103	0 0215 0
PL 10	0 0529 0	PS 159 O.E. Cu sn	0 0688 0	R 103 E	0 0217 0
PL 11	0 0527 0	PS 160	0 0663 0	R 103 F	0 0216 0
PLS 3 S	0 0534 0	PS 161	0 0662 0	R 106	0 0242 0
PLS 4	0 0532 0	PS 163	0 0660 0	R 117	0 0220 0
PLS 5	0 0533 0	PS 164	0 0659 0	R 122	0 0240 0

VERGLEICHSLISTE

CROSS REFERENCE LIST

EURO REF.

IKA

R 122H	0 0391 0
R 124	0 0241 0
R 124H	0 0392 0
R 132	0 0218 0
R 133	0 0219 0
R 134	0 0243 0
R 134-2C	0 0454 0
R 134H	0 0393 0
R 134H-2C	0 0490 0
R 135	0 0390 0
R 135H	0 0394 0
R 140 CS 130D	0 0245 0
R 141 CS 130D	0 0246 0
R 142	0 0213 0
R 143	0 0214 0
R 144	0 0211 0
R 419	0 0232 0
R 420	0 0234 0
R 457	0 0235 0
R 458	0 0236 0
R 909	0 0226 0
R 909/0	0 0228 0
R 911 (R 138)	0 0230 0
R 912 (R 139)	0 0231 0
R 913	0 0227 0
R 914	0 0244 0
R 915	0 0515 0
R 916	0 0501 0
R 917	0 0502 0
R 918	0 0522 0
R 919	0 0523 0
R 922	0 0238 0
R 922-924 C	0 0239 0
R 924	0 0229 0
R 924 C	0 0237 0
RX 51	0 1258 1
RX 60	0 1284 1
RX 70 (4)	0 1285 1
RX 70 (8)	0 1289 1
RX 87	0 1287 1
RX 92	0 1296 1
RX 92 (12)	0 1293 1
RX 95	0 1288 1
RX 96 (R 120)	0 1286 1
RX 103	0 1266 1
RX 103 E	0 1268 1
RX 103 F	0 1267 1
RX 106	0 1269 1
RX 117	0 1270 1
RX 119	0 1262 1
RX 120 (2)	0 1250 1
RX 120 (2) S	0 1298 1
RX 120 (3)	0 1291 1
RX 120 (4)	0 1251 1
RX 120 (4) S	0 1299 1
RX 120/0 (2)	0 1294 1
RX 120/0 (3)	0 1292 1
RX 120/0 (4)	0 1295 1
RX 122	0 1280 1
RX 122H	0 1256 1
RX 124	0 1281 1
RX 124H	0 1257 1
RX 132-133	0 1290 1
RX 134	0 1282 1
RX 134-2C	0 1264 1
RX 134H	0 1259 1
RX 134H-2C	0 1265 1
RX 135	0 1283 1
RX 135H	0 1260 1
RX 140-141	0 1263 1

EURO REF.

IKA

RX 142-143	0 1261 1
RX 144	0 1271 1
RX 419-420	0 1254 1
RX 457-458	0 1255 1
RX 911 (RX 138)	0 1252 1
RX 912 (RX 139)	0 1253 1
RX 913-914	0 1272 1
RX 915	0 1273 1
RX 916-917	0 1274 1
RX 918-919	0 1275 1
SV 5 / 7 / 9	0 0700 0
SV 10 A13/14 V/Vl	0 0701 0
SV 7 m. Fügehilfe	0 0702 0
SVX 7 / 9	0 1781 1
SVX 10	0 1782 1
U 71	0 0251 0
U 72	0 0252 0
U 79	0 0253 0
U 80	0 0254 0
U 82-83/0	0 0255 0
U 84	0 0265 0
U 87-88/0	0 0258 0
U 92	0 0267 0
US 50	0 0271 0
US 51	0 0272 0
US 73/0 = US 59	0 0279 0
US 85	0 0281 0
US 85/0 = US 60	0 0280 0
US 91	0 0288 0
US 91/0	0 0289 0
US 92	0 0290 0
US 92/0	0 0291 0
US 93	0 0286 0
US 94	0 0287 0
USX 44-21	0 1351 1
USX 45-23	0 1352 1
USX 50-51 (2)	0 1353 1
USX 50-51 (4)	0 1354 1
USX 60-59	0 1355 1
USX 73-85	0 1361 1
USX 76-77-78	0 1363 1
USX 91-92	0 1367 1
USX 93-94	0 1368 1
UX 71-72	0 1320 1
UX 79-80	0 1321 1
UX 81	0 1322 1
UX 82-83/0	0 1323 1
UX 84	0 1324 1
UX 85	0 1325 1
UX 87-88/0	0 1327 1
UX 87-89	0 1328 1
UX 92	0 1332 1
FCC IKA	
FBH 2	4 4467 0
FBH 3	4 4466 0
FBH 4	4 4459 0
FBH 5	4 4466 0
FBH 6	4 4471 0
FBH 7	4 4463 0
FBH 8	4 4473 0
FBH 31	4 4455 0
FBH 38	4 4454 0
FBM 10	4 4472 0
FBM 16	4 4464 0
FBM 16RF	4 4442 0
FBM 18	4 4456 0
FBM 36	4 4460 0
FBM 37	4 4458 0

FCC

IKA

FBM 38	4 4470 0
FBM 39	4 4465 0
FBM 45	4 4464 0
FBN 1	4 4484 0
FBN 10	4 4475 0
FBN 17	4 4461 0
FBN 33	4 4462 0
FBN 34	4 4475 0
FBN 36	4 4468 0
FBN 38	4 4469 0
FBN 39	4 4451 0
JHTSX 7 M	0 1942 1
JHTSX 8 M	0 1942 1
JHTSX 9 M	0 1959 1
JHTSX 11	0 1959 1
JHTSX 12 M	0 1952 1
JHTSX 17	0 1960 1
JHTSX 25	0 1992 1
JHTSX 28	0 1969 1
JHTSX 28 N	0 1968 1
JHTSX 29	0 1993 1
JHTSX 30	0 1978 1
JHTSX 31	0 1982 1
JHTSX 32	0 1992 1
JHTSX 33	0 1958 1
JHTSX 34	0 1993 1
JHTSX 36	0 1937 1
JHTSX 37	0 1974 1
JHTSX 38	0 1960 1
JHTSX 39	0 1937 1
JHTSX 40	0 1975 1
JHTSX 43	0 1934 1
JHTSX 44	0 1974 1
JHTSX 47	0 1948 1
JHTX 5	0 1906 1
JHTX 6	0 1901 1
JHTX 7	0 1906 1
JHTX 10	0 1906 1
JHTX 11	0 1906 1
JHTX 18	0 1905 1
JHTX 18 M	0 1905 1
JHTX 19	0 1906 1
JHTX 20	0 1912 1
JHTX 23	0 1912 1
JHTX 27	0 1918 1
JHTX 29	0 1920 1
JMTSX 9	0 1949 1
JMTSX 11	0 1980 1
JMTSX 24	0 1949 1
JMTSX 27	0 1967 1
JMTSX 30	0 1957 1
JMTSX 31	0 1957 1
JMTSX 36	0 1971 1
JMTSX 36 N	0 1970 1
JMTSX 37	0 1957 1
JMTSX 48	0 1936 1
JMTSX 49	0 1983 1
JMTSX 49 N	0 1981 1
JMTSX 54	0 1971 1
JMTSX 55	0 1994 1
JMTSX 56	0 1972 1
JMTSX 57	0 1995 1
JMTSX 58	0 1957 1
JMTSX 59	0 1989 1
JMTSX 65	0 1973 1
JMTSX 66	0 1973 1
JMTSX 70	0 0957 0
JMTSX 71	0 0954 0
JMTSX 72	0 0946 0
JMTX 13	0 1904 1

CROSS REFERENCE LIST

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CROSS REFERENCE LIST

FUJI	IKA	FUJI	IKA	FUJI	IKA
FF-310	0 1912 1	FI-159	0 1993 1	FJ-005	0 1973 1
FF-313	0 1905 1	FI-164	0 1952 1	FJ-007	0 1985 1
FF-314	0 1905 1	FI-167	0 1968 1	FJ-012	0 1972 1
FF-315	0 1905 1	FI-168	0 1969 1	FJ-016	0 1988 1
FF-316	0 1905 1	FI-172	0 1992 1	FJ-025	0 1995 1
FF-319	0 1938 1	FI-173	0 1992 1	FJ-026	0 1994 1
FF-321	0 1915 1	FI-174	0 1993 1	FJ-029	0 1939 1
FF-322	0 1914 1	FI-175	0 1993 1	FJ-030	0 1994 1
FF-323	0 1905 1	FI-181	0 1993 1	FJ-125	0 1935 1
FF-325	0 1915 1	FI-182	0 1993 1	FJ-126	0 1967 1
FH-123	0 1988 1	FI-185	0 1993 1	FJ-138	0 1940 1
FH-125	0 1993 1	FI-186	0 1993 1	FJ-149	0 1957 1
FH-126	0 1993 1	FI-189	0 1969 1	FJ-150	0 1971 1
FH-145	0 1988 1	FI-191	0 1977 1	FJ-151	0 1971 1
FH-303	0 1901 1	FI-192	0 1969 1	FJ-165	0 1957 1
FH-304	0 1906 1	FI-193	0 1969 1	FJ-166	0 1957 1
FH-306	0 1913 1	FI-194	0 1982 1	FJ-177	0 1936 1
FH-307	0 1913 1	FI-195	0 1982 1	FJ-178	0 1971 1
FH-318	0 1900 1	FI-196	0 1937 1	FJ-179	0 1957 1
FH-323	0 1900 1	FI-197	0 1937 1	FJ-181	0 1935 1
FH-324	0 1900 1	FI-198	0 1934 1	FJ-183	0 1983 1
FI-001	0 1974 1	FI-199	0 1934 1	FJ-184	0 1983 1
FI-002	0 1937 1	FI-200	0 1974 1	FJ-185	0 1936 1
FI-003	0 1937 1	FI-304	0 1906 1	FJ-188	0 1989 1
FI-004	0 1944 1	FI-306	0 1907 1	FJ-189	0 1967 1
FI-025	0 1988 1	FI-307	0 1907 1	FJ-190	0 1994 1
FI-027	0 1988 1	FI-315	0 1901 1	FJ-191	0 1967 1
FI-029	0 1984 1	FI-317	0 1906 1	FJ-192	0 1995 1
FI-030	0 1988 1	FI-318	0 1907 1	FJ-193	0 1940 1
FI-035	0 1968 1	FI-319	0 1907 1	FJ-194	0 1967 1
FI-040	0 1984 1	FI-320	0 1906 1	FJ-195	0 1988 1
FI-041	0 1985 1	FI-321	0 1906 1	FJ-200	0 1967 1
FI-046	0 1937 1	FI-322	0 1906 1	FJ-307	0 1902 1
FI-047	0 1968 1	FI-323	0 1905 1	FJ-309	0 1911 1
FI-051	0 1992 1	FI-324	0 1905 1	FJ-312	0 1911 1
FI-052	0 1992 1	FI-327	0 1900 1	FJ-323	0 1900 1
FI-053	0 1975 1	FI-329	0 1906 1	FJ-324	0 1910 1
FI-054	0 1974 1	FI-330	0 1906 1	FJ-325	0 1911 1
FI-055	0 1974 1	FI-331	0 1900 1	FJ-333	0 1900 1
FI-056	0 1974 1	FI-339	0 1906 1	FJ-334	0 1911 1
FI-061	0 1977 1	FI-340	0 1906 1	FJ-336	0 1910 1
FI-062	0 1955 1	FI-347	0 1906 1	FJ-337	0 1910 1
FI-063	0 1955 1	FI-353	0 1905 1	FJ-342	0 1910 1
FI-064	0 1963 1	FI-354	0 1905 1	FJ-343	0 1909 1
FI-065	0 1939 1	FI-355	0 1912 1	FJ-344	0 1910 1
FI-066	0 1997 1	FI-356	0 1912 1	FJ-345	0 1909 1
FI-067	0 1997 1	FI-357	0 1912 1	FJ-346	0 1913 1
FI-068	0 1997 1	FI-358	0 1905 1	FJ-347	0 1914 1
FI-069	0 1997 1	FI-359	0 1905 1	FJ-350	0 1915 1
FI-080	0 1984 1	FI-360	0 1905 1	FJ-352	0 1916 1
FI-081	0 1984 1	FI-361	0 1905 1	FJ-354	0 1914 1
FI-085	0 1984 1	FI-364	0 1913 1	FJ-358	0 1915 1
FI-086	0 1962 1	FI-368	0 1906 1	FK-107	0 1984 1
FI-109	0 1942 1	FI-371	0 1905 1	FK-108	0 1965 1
FI-110	0 1942 1	FI-372	0 1905 1	FK-109	0 1984 1
FI-116	0 1951 1	FI-373	0 1905 1	FK-113	0 1969 1
FI-117	0 1951 1	FI-374	0 1905 1	FK-114	0 1969 1
FI-118	0 1959 1	FI-376	0 1905 1	FK-115	0 1984 1
FI-119	0 1959 1	FI-378	0 1905 1	FK-118	0 1969 1
FI-120	0 1952 1	FI-381	0 1912 1	FK-119	0 1969 1
FI-125	0 1940 1	FI-384	0 1906 1	FK-124	0 1966 1
FI-126	0 1952 1	FI-391	0 1912 1	FK-125	0 1985 1
FI-130	0 1992 1	FI-393	0 1915 1	FK-127	0 1966 1
FI-131	0 1992 1	FI-398	0 1905 1	FK-128	0 1984 1
FI-133	0 1960 1	FI-403	0 1913 1	FK-129	0 1986 1
FI-134	0 1960 1	FI-404	0 1915 1	FK-130	0 1963 1
FI-135	0 1959 1	FI-405	0 1920 1	FK-131	0 1939 1
FI-136	0 1959 1	FI-406	0 1905 1	FK-132	0 1968 1
FI-147	0 1952 1	FI-407	0 1912 1	FK-139	0 1984 1
FI-156	0 1963 1	FJ-002	0 1973 1	FK-140	0 1984 1

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FUJI	IKA	FUJI	IKA	FUJI	IKA
FK-301	0 1906 1	FN-017	0 1936 2	FN-305	0 1906 1
FK-302	0 1906 1	FN-018	0 1937 1	FN-306	0 1906 1
FK-303	0 1900 1	FN-023	0 1969 1	FN-307	0 1906 1
FK-312	0 1899 1	FN-024	0 1969 1	FN-309	0 1906 1
FK-315	0 1915 1	FN-025	0 1974 1	FN-310	0 1906 1
FK-316	0 1915 1	FN-027	0 1967 1	FN-312	0 1902 1
FM-101	0 1940 1	FN-028	0 1967 1	FN-313	0 1905 1
FM-102	0 1944 1	FN-029	0 1989 1	FN-314	0 1905 1
FM-109	0 1949 1	FN-030	0 1994 1	FN-315	0 1906 1
FM-121	0 1967 1	FN-031	0 1995 1	FN-316	0 1906 1
FM-123	0 1957 1	FN-035	0 1960 1	FN-317	0 1906 1
FM-135	0 1971 1	FN-036	0 1960 1	FN-318	0 1911 1
FM-136	0 1971 1	FN-039	0 1983 1	FN-320	0 1902 1
FM-145	0 1957 1	FN-040	0 1983 1	FN-322	0 1905 1
FM-152	0 1983 1	FN-041	0 1974 1	FN-323	0 1905 1
FM-153	0 1983 1	FN-042	0 1974 1	FN-324	0 1905 1
FM-154	0 1989 1	FN-043	0 1961 1	FN-325	0 1905 1
FM-159	0 1966 1	FN-044	0 1961 1	FN-330	0 1905 1
FM-160	0 1994 1	FN-057	0 1948 1	FN-331	0 1905 1
FM-161	0 1973 1	FN-058	0 1948 1	FN-333	0 1906 1
FM-162	0 1973 1	FN-059	0 1961 1	FN-334	0 1905 1
FM-164	0 1971 1	FN-060	0 1961 1	FN-335	0 1905 1
FM-166	0 1973 1	FN-061	0 1969 1	FN-336	0 1902 1
FM-167	0 1977 1	FN-062	0 1969 1	FN-342	0 1905 1
FM-168	0 1985 1	FN-063	0 1995 1	FN-343	0 1910 1
FM-169	0 1961 1	FN-064	0 1995 1	FN-344	0 1905 1
FM-170	0 1961 1	FN-067	0 1971 1	FN-346	0 1905 1
FM-171	0 1985 1	FN-068	0 1971 1	FN-347	0 1912 1
FM-175	0 1973 1	FN-107	0 1942 1	FN-348	0 1912 1
FM-178	0 1972 1	FN-110	0 1942 1	FN-349	0 1909 1
FM-181	0 1974 1	FN-120	0 1952 1	FN-352	0 1910 1
FM-182	0 1974 1	FN-122	0 1951 1	FN-353	0 1912 1
FM-183	0 1983 1	FN-123	0 1951 1	FN-354	0 1912 1
FM-184	0 1983 1	FN-124	0 1960 1	FN-355	0 1905 1
FM-185	0 1939 1	FN-125	0 1960 1	FN-356	0 1912 1
FM-302	0 1902 1	FN-126	0 1949 1	FN-357	0 1905 1
FM-303	0 1904 1	FN-127	0 1949 1	FN-359	0 1905 1
FM-304	0 1911 1	FN-138	0 1959 1	FN-360	0 1905 1
FM-305	0 1911 1	FN-139	0 1959 1	FN-361	0 1905 1
FM-307	0 1911 1	FN-140	0 1969 1	FN-362	0 1905 1
FM-309	0 1911 1	FN-141	0 1969 1	FN-363	0 1905 1
FM-310	0 1902 1	FN-145	0 1971 1	FN-364	0 1905 1
FM-311	0 1912 1	FN-155	0 1959 1	FN-368	0 1912 1
FM-312	0 1910 1	FN-156	0 1959 1	FN-372	0 1909 1
FM-313	0 1900 1	FN-158	0 1952 1	FN-373	0 1912 1
FM-314	0 1910 1	FN-163	0 1957 1	FN-376	0 1912 1
FM-315	0 1910 1	FN-167	0 1992 1	FN-377	0 1905 1
FM-316	0 1952 1	FN-168	0 1992 1	FN-379	0 1905 1
FM-317	0 1900 1	FN-169	0 1952 1	FN-380	0 1905 1
FM-318	0 1913 1	FN-173	0 1974 1	FN-382	0 1914 1
FM-319	0 1914 1	FN-174	0 1974 1	FN-383	0 1916 1
FM-320	0 1915 1	FN-175	0 1974 1	FN-385	0 1912 1
FM-321	0 1912 1	FN-176	0 1974 1	FN-386	0 1920 1
FM-322	0 1912 1	FN-178	0 1971 1	FN-389	0 1905 1
FM-323	0 1912 1	FN-186	0 1957 1	FN-390	0 1912 1
FM-324	0 1916 1	FN-187	0 1978 1	FN-391	0 1918 1
FM-325	0 1914 1	FN-188	0 1978 1	FN-393	0 1918 1
FM-326	0 1914 1	FN-189	0 1982 1	FN-394	0 1916 1
FM-327	0 1916 1	FN-190	0 1982 1	FN-395	0 1918 1
FN-001	0 1957 1	FN-191	0 1993 1	FN-396	0 1918 1
FN-002	0 1957 1	FN-192	0 1993 1	FN-400	0 1916 1
FN-003	0 1934 1	FN-195	0 1992 1	FN-402	0 1918 1
FN-004	0 1934 1	FN-196	0 1992 1	FO-301	0 1905 1
FN-005	0 1968 1	FN-197	0 1958 1	FO-302	0 1905 1
FN-006	0 1937 1	FN-198	0 1958 1	FR-302	0 1900 1
FN-007	0 1937 1	FN-199	0 1937 1	FR-303	0 1913 1
FN-008	0 1961 1	FN-200	0 1937 1	FS-112	0 1940 1
FN-009	0 1961 1	FN-302	0 1901 1	FS-116	0 1944 1
FN-015	0 1969 1	FN-303	0 1906 1	FS-117	0 1944 1
FN-016	0 1969 1	FN-304	0 1906 1	FS-122	0 1944 1

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CROSS REFERENCE LIST

FUJI	IKA	FUJI	IKA	GHIBAUDI	IKA
FS-123	0 1963 1	FY-138	0 1937 1	3642	4 4502 0
FS-124	0 1963 1	FY-139	0 1937 1	3643	4 4504 0
FS-125	0 1939 1	FY-140	0 1984 1	3651	4 4004 0
FS-127	0 1985 1	FY-143	0 1937 1	3652	4 4002 0
FS-301	0 1900 1	FY-148	0 1974 1	3653	4 4101 0
FS-304	0 1900 1	FY-149	0 1993 1	3654	4 4103 0
FS-309	0 1915 1	FY-150	0 1993 1	3656	4 4102 0
FS-310	0 1915 1	FY-151	0 1937 1	3657	4 4351 0
FT-102	0 1944 1	FY-153	0 1993 1	3658	4 4113 0
FT-104	0 1940 1	FY-155	0 1984 1	3659	4 4000 0
FT-111	0 1935 1	FY-156	0 1984 1	3660	4 4011 0
FT-114	0 1966 1	FY-157	0 1977 1	3662	4 4002 0
FT-116	0 1965 1	FY-158	0 1985 1	3664	4 4109 0
FT-124	0 1984 1	FY-159	0 1988 1	3666	4 4012 0
FT-127	0 1984 1	FY-302	0 1905 1	3667	4 4104 0
FT-128	0 1988 1	FY-303	0 1905 1	3673	4 4106 0
FT-129	0 1984 1	FY-304	0 1905 1	3676	4 4105 0
FT-130	0 1985 1	FY-305	0 1905 1	3680	4 4115 0
FT-133	0 1977 1	FY-306	0 1906 1	3681	4 4116 0
FT-138	0 1986 1	FY-307	0 1905 1	3682	4 4000 0
FT-139	0 1984 1	FY-309	0 1905 1	3699	4 4013 0
FT-140	0 1962 1	FY-313	0 1906 1	3700	4 4021 0
FT-141	0 1977 1	FY-314	0 1906 1	3701	4 4080 0
FT-142	0 1988 1	FY-315	0 1905 1	3702	4 4119 0
FT-143	0 1939 1	FY-317	0 1900 1	3703	4 4123 0
FT-147	0 1984 1	FY-318	0 1914 1	3704	4 4126 0
FT-148	0 1984 1	FY-320	0 1905 1	3705	4 4111 0
FT-149	0 1984 1	FY-321	0 1912 1	3707	4 4136 0
FT-150	0 1984 1	FZ-101	0 1944 1	3709	4 4141 0
FT-151	0 1984 1	FZ-104	0 1940 1	3710	4 4142 0
FT-305	0 1900 1	FZ-107	0 1984 1	3711	4 4022 0
FT-313	0 1913 1	FZ-108	0 1988 1	3712	4 4004 0
FT-314	0 1919 1	FZ-109	0 1966 1	3713	4 4077 0
FT-315	0 1919 1	FZ-301	0 1900 1	3714	4 4137 0
FT-316	0 1915 1			3715	4 4056 0
FT-317	0 1915 1			3716	4 4055 0
FT-318	0 1915 1			3717	4 4054 0
FT-319	0 1913 1			3720	4 4005 0
FU-101	0 1988 1	1108D	4 3200 0	3721	4 4061 0
FV-301	0 1905 1	1752	4 2304 0	3723	8 4079 0
FV-302	0 1905 1	1753	4 2322 0	3724	4 4062 0
FW-015	0 1940 1	1754	4 2301 1	3750D	4 3300 0
FW-111	0 1993 1	1755	4 2303 1	3751	4 4265 0
FW-112	0 1993 1	1756	4 2306 0	3752	4 4257 0
FW-116	0 1984 1	1757	4 2323 0	3753	4 4256 0
FW-117	0 1984 1	1758	4 2324 1	3754	4 4260 0
FW-301	0 1905 1	1807	4 2320 0	3755	4 4259 0
FW-302	0 1905 1	1845	4 2317 0	3764	4 4264 0
FW-303	0 1900 1	1857	4 2308 0	3766	4 4255 0
FY-105	0 1937 1	1858	4 2321 1	3767	4 4254 0
FY-106	0 1937 1	1878	4 2307 0	3769	4 4253 0
FY-111	0 1969 1	1948	4 2325 0	3770	4 4265 0
FY-112	0 1969 1	1954	4 2326 0	3771	4 4263 0
FY-113	0 1982 1	1955	4 2328 1	3772	4 4260 0
FY-114	0 1982 1	1959	4 2314 1	3806	4 4302 0
FY-115	0 1959 1	1968	4 2374 1	3810	4 4304 0
FY-116	0 1959 1	1969	4 2371 1	3811	4 4305 0
FY-117	0 1959 1	2000	4 2362 0	3830	4 4300 0
FY-119	0 1968 1	3487	4 2240 0	3831	4 4301 0
FY-120	0 1959 1	3603	4 4354 0	3843	4 4306 0
FY-121	0 1958 1	3615	4 4353 0	3844	4 4308 0
FY-122	0 1958 1	3617	4 4352 0	3847	4 4307 0
FY-123	0 1992 1	3619	4 4370 0	3852	4 4300 0
FY-124	0 1992 1	3624	4 4366 0	3865D	4 3251 0
FY-125	0 1992 1	3625	4 4366 0	3887	4 4204 0
FY-126	0 1992 1	3631	4 4350 0	3903	4 4406 0
FY-127	0 1993 1	3633	4 4363 0	3904	4 4407 0
FY-128	0 1993 1	3634	4 4351 0	3905	4 4404 0
FY-129	0 1993 1	3636	4 4368 0	3906	4 4403 0
FY-130	0 1993 1	3640	4 4501 0	3909	4 4417 0
		3641	4 4503 0		
		GHIBAUDI	IKA		

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3913	4 4405 0
3914	4 4399 0
3919	4 4412 0
3920	4 4408 0
3922	4 4408 0
3926	4 4401 0
3933	4 4400 0
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3937	4 4414 0
3938	4 4410 0
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3960D	4 3250 0
3991	4 4353 0
4052	4 4426 0
4055D	4 3253 0
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4113	4 4454 0
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4131	4 4462 0
4325D	4 3308 0
4327D	4 3302 0
4331D	4 3306 0
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4360D	4 3309 0
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4509K	4 4204 0
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4513K	4 4696 1
4514K	4 4674 1
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4532K	4 4652 1
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4534K	4 4655 1
4536K	4 4692 1
4538K	4 4699 1
4716D	4 3303 0
5274D	4 3202 0
5530D	4 3203 0
5894D	4 2242 0

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6147D	4 3201 0
6701D	4 3307 0
6704D	4 3305 0
HITACHI IKA	
2106-1601	4 4466 0
2108-02305	0 0941 0
2108-02306	0 0932 0
2108-4305	0 0941 0
2108-4306	0 0932 0
2108-6305	0 0941 0
2108-6306	0 0932 0
2114-02313	0 0950 0
2114-04313	0 0960 0
2114-05312	0 0969 0
2114-06312	0 0951 0
2114-08312	0 0961 0
2114-08313	0 0970 0
2114-1352	4 4466 0
2114-1353	4 4485 0
2114-1452	4 4467 0
2114-15502	8 8263 0
2114-23106	7 7140 1
2114-23124	0 0942 0
2114-2313	0 0950 0
2114-25502	8 8260 0
2114-2601	4 4354 0
2114-3315	0 0969 0
2114-35502	8 8261 0
2114-3601	4 4459 0
2114-41100	4 3837 1
2114-4311	7 7141 1
2114-43125	0 0925 0
2114-4313	0 0960 0
2114-44101	4 4443 0
2114-45502	8 8214 0
2114-4661	4 4455 0
2114-53105	7 7140 1
2114-5312	0 0969 0
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2114-5661	4 4455 0
2114-59002	0 0980 0
2114-59003	0 0968 0
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2114-6312	0 0951 0
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2114-6313	0 0970 0
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2114-73123	0 0926 0
2114-8312	0 0961 0
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2114-83122	0 0942 0
2114-83123	0 0927 0
2114-8313	0 0970 0
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2114-93122	0 0942 0
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2120-02601	0 0995 0
2120-04311	0 0930 0
2120-05312	0 0930 0
2120-07311	0 0930 0
2120-07312	0 0956 0
2120-09311	0 0929 0
2120-2601	0 0995 0
2120-2601	4 4354 0

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2120-4302	4 4473 0
2120-4311	0 0930 0
2120-4401	4 4463 0
2120-5312	0 0930 0
2120-7311	0 0930 0
2120-7312	0 0956 0
2120-9311	0 0929 0
2130-01310	0 0995 0
2130-01312	0 0992 0
2130-02312	0 0992 0
2130-03311	0 0992 0
2130-04311	0 0992 0
2130-04312	0 0993 0
2130-05312	0 0977 0
2130-06312	0 0934 0
2130-07311	0 0993 0
2130-07312	0 0975 0
2130-08311	0 0978 0
2130-09311	0 0936 0
2130-13022	7 7142 1
2130-1306	7 7142 1
2130-1310	0 0995 0
2130-1310	4 4353 0
2130-13111	0 0974 0
2130-1312	0 0992 0
2130-1451	8 8671 0
2130-23112	0 0974 0
2130-2312	0 0992 0
2130-2601	4 4353 0
2130-3302	8 8262 0
2130-3311	0 0992 0
2130-4311	0 0992 0
2130-4312	0 0993 0
2130-5312	0 0977 0
2130-6312	0 0934 0
2130-7311	0 0993 0
2130-7312	0 0975 0
2130-8311	0 0978 0
2130-9311	0 0936 0
2240-01311	0 0975 0
2240-01312	0 0975 0
2240-1311	0 0975 0
2240-1312	0 0975 0
2240-3310	7 7142 1
2250-01322	0 0952 0
2250-01324	0 0995 0
2250-02323	0 0994 0
2250-04322	0 0995 0
2250-05322	0 0978 0
2250-05323	0 0978 0
2250-1324	0 0995 0
2250-1451	8 8829 0
2250-2323	0 0994 0
2250-4322	0 0995 0
2250-5322	0 0978 0
2250-5323	0 0978 0
2250-7310	7 7143 1
2280-1312	0 0990 0
2280-1313	0 0999 0
GD 214998-1	3 3520 1
GD 215541	3 3528 1
GD 216009	3 3583 1
GD2 15070	3 5313 1
GD2 17756	3 5313 1
GD2 18089-1	3 5328 1
GD2 18509	3 5351 1
GD2 18752	3 5352 1
GD2 18964	3 5349 1
L1110-1325	0 0920 0
L1110G-7500	3 3583 1

VERGLEICHSLISTE

CROSS REFERENCE LIST

HITACHI	IKA	INA	IKA	INA	IKA
L119N-01361	0 0898 0	F-225643.11	3 3587 1	F-228215	3 3518 1
L120-13262	0 0905 0	F-225643.12	3 3587 1	F-228215.04	3 3518 1
L120-5326	0 0905 0	F-225643.4	3 3587 1	F-228215.1	3 3518 1
L120-5327	0 0905 0	F-225643.5	3 3587 1	F-228215.2	3 3518 1
L123-1326	0 0904 0	F-225643.6	3 3587 1	F-228215.3	3 3518 1
L125-13251	0 0905 0	F-225643.7	3 3587 1	F-228411.04	3 5302 1
L125-13261	0 0905 0	F-225643.9	3 3587 1	F-228411.2	3 5302 1
L125-2326	0 0904 0	F-225644.4	3 3518 1	F-228618.07	3 3527 1
L125H-1326	0 0905 0	F-225644.5	3 3518 1	F-228618.4	3 3527 1
L125H-1327	0 0905 0	F-225644.6	3 3518 1	F-228618.5	3 3527 1
L130-1327	0 0904 0	F-225644.7	3 3518 1	F-228751.06	3 3528 1
L130-7326	0 0904 0	F-225653.10	3 3541 1	F-228751.07	3 3528 1
L130-7327	0 0904 0	F-225653.11	3 3541 1	F-228751.2	3 3528 1
L130F-5326	0 0905 0	F-225653.12	3 3522 1	F-228751.3	3 3528 1
L135-13261	0 0904 0	F-225653.4	3 3522 1	F-228824.09	3 3529 1
L135-1332	0 0904 0	F-225653.5	3 3522 1	F-228824.1	3 3529 1
L135-6326	0 0905 0	F-225653.6	3 3541 1	F-228824.10	3 3529 1
L135N-1301	0 0905 0	F-225653.7	3 3541 1	F-228824.11	3 3529 1
L1401-1330	0 0905 0	F-225653.8	3 3522 1	F-228824.4	3 3529 1
L150-13251	0 0905 0	F-225653.9	3 3522 1	F-228824.6	3 3529 1
L150-13303	0 0905 0	F-225653-91	3 3551 0	F-228824.7	3 3529 1
L150-13502	0 0905 0	F-225653-911	3 3530 0	F-228824.9	3 3529 1
L150-23251	0 0913 0	F-226322.04	3 3521 1	F-228824-91	3 3554 0
L150-23252	0 0913 0	F-226322.05	3 3521 1	F-228881.2	3 3546 1
L150-43301	0 0913 0	F-226322.07	3 3521 1	F-228881.3	3 3546 1
L150-73251	0 0905 0	F-226322.10	3 3542 1	F-229363.3	3 3531 1
L150-73301	0 0905 0	F-226322.11	3 3542 1	F-229363.5	3 3531 1
L150-83251	0 0913 0	F-226322.14	3 3542 1	F-229363.6	3 3531 1
L150M-13251	0 0913 0	F-226322.4	3 3521 1	F-229363.7	3 3531 1
L150M-13261	0 0913 0	F-226322.6	3 3542 1	F-229363.9	3 3531 1
L150N-13261	0 0905 0	F-226322.9	3 3542 1	F-229411 KLM	8 4094 0
L160-13301	0 0905 0	F-226387.10	3 3560 1	F-229603.1	3 3532 1
L160-13302	0 0905 0	F-226387.4	3 3560 1	F-229603.11	3 3532 1
L160-33152	0 0913 0	F-226387.5	3 3560 1	F-229603.12	3 3586 1
L170-1325	0 0920 0	F-226387.6	3 3560 1	F-229603.13	3 3586 1
L170-2325	0 0920 0	F-226387.7	3 3560 1	F-229603.14	3 3532 1
L170-4325	0 0920 0	F-226556.10	3 3515 1	F-229603.15	3 3586 1
L170G-25003	3 3528 1	F-226556.4	3 3515 1	F-229603.16	3 3586 1
L180-1325	0 0920 0	F-226556.5	3 3515 1	F-229603.3	3 3586 1
L180-1335	0 0905 0	F-226556.6	3 3515 1	F-229603.4	3 3532 1
L225-13251	0 0913 0	F-226556.7	3 3515 1	F-229603.7	3 3586 1
L225-13261	0 0913 0	F-226556-51	3 3550 0	F-229643.10	3 3533 1
L225-23321	0 0913 0	F-226804.09	3 3516 1	F-229643.11	3 3533 1
L240-13251	0 0913 0	F-226804.4	3 3516 1	F-229643.3	3 3533 1
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L290-1325	0 0913 0	F-226804.7	3 3516 1	F-229643.7	3 3533 1
VP25-19101	1 5001 1	F-226954.07	3 3524 1	F-229974	3 3534 1
VP25-19103	1 5001 1	F-226954.3	3 3524 1	F-229974.3	3 3549 1
VP50-1910	1 5002 1	F-226954.4	3 3524 1	F-229974.4	3 3534 1
		F-226954.5	3 3524 1	F-229974.5	3 3534 1
INA	IKA	F-226954-91	3 3552 0	F-230051	3 3535 1
		F-227079.05	3 3525 1	F-230051.03	3 3535 1
		F-227079.06	3 3525 1	F-230051.2	3 3535 1
BCH F-220469	8 4092 0	F-227079.4	3 3525 1	F-230147	3 3548 1
BCH-06604 closed	8 8200 0	F-227628.10	3 3520 1	F-230147.04	3 3548 1
BCH-06604 open	8 8277 0	F-227628.4	3 3520 1	F-230147.1	3 3548 1
BK F-219005	8 4097 0	F-227628.5	3 3520 1	F-230147.2	3 3548 1
F-123459.2	8 8678 0	F-227628.6	3 3520 1	F-230147.3	3 3548 1
F-123861	8 8677 0	F-227628.7	3 3520 1	F-230209	3 3555 1
F-219005	8 4097 0	F-227820.10	3 3526 1	F-230209.04	3 3555 1
F-220469	8 4092 0	F-227820.12	3 3526 1	F-230209.2	3 3555 1
F-220469.1	8 8663 0	F-227820.13	3 3526 1	F-230209.3	3 3555 1
F-221604	8 8669 0	F-227820.14	3 3526 1	F-230209-91	3 3553 0
F-225355.10	3 3517 1	F-227820.4	3 3526 1	F-230283	3 3561 1
F-225355.11	3 3517 1	F-227820.5	3 3526 1	F-230283.03	3 3574 1
F-225355.3	3 3517 1	F-227820.6	3 3526 1	F-230283.1	3 3574 1
F-225355.4	3 3517 1	F-227820.7	3 3526 1	F-230283.2	3 3574 1
F-225355.5	3 3517 1	F-227820.8	3 3567 1	F-230329.02	3 5307 1
F-225355.6	3 3517 1	F-227820.9	3 3526 1	F-230329.04	3 5307 1
F-225355.7	3 3517 1	F-227970.1	8 8660 0	F-230329.2	3 5307 1
F-225643.10	3 3587 1				

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CROSS REFERENCE LIST

INA	IKA	INA	IKA	INA	IKA
F-230401	3 3576 1	F-232774.1	3 3589 1	F-236127.03	3 5312 1
F-230401.09	3 3576 1	F-232854.06	3 3590 1	F-236127.04	3 5312 1
F-230401.6	3 3576 1	F-232854.3	3 3590 1	F-236127.05	3 5312 1
F-230401.7	3 3576 1	F-233105.04	3 5356 1	F-236528	3 3591 1
F-230401.8	3 3576 1	F-233106.03	3 5356 1	F-236528.01	3 3591 1
F-230753	3 3537 1	F-233106.05	3 5356 1	F-236528.03	3 3591 1
F-230753.06	3 3537 1	F-233106.1	3 5356 1	F-236528.04	3 3591 1
F-230753.1	3 3537 1	F-233106.2	3 5356 1	F-236528.06	3 3591 1
F-230753.3	3 3537 1	F-233197.1	3 3557 1	F-236528.07	3 3591 1
F-230759.02	3 3543 1	F-233197.2	3 3557 1	F-236566	3 3584 1
F-230759.05	3 3543 1	F-233197.3	3 3557 1	F-236566.01	3 3584 1
F-230759.1	3 3543 1	F-2333106.2	3 5356 1	F-236566.02	3 3584 1
F-230825.04	3 3547 1	F-233379	3 5360 1	F-236591.04	3 3579 1
F-230825.2	3 3547 1	F-233379.01	3 5360 1	F-236591.05	3 3579 1
F-230825.3	3 3547 1	F-233379.02	3 5360 1	F-236591.06	3 3579 1
F-230846	3 3527 1	F-233379.1	3 5360 1	F-236591.1	3 3579 1
F-230846.1	3 3527 1	F-233525	3 3545 1	F-236675.02	3 5333 1
F-230846.2	3 3527 1	F-233525.04	3 3545 1	F-236675.03	3 5333 1
F-230846.3	3 3527 1	F-233525.05	3 3545 1	F-236675.04	3 5333 1
F-230866.08	3 5403 1	F-233525.1	3 3545 1	F-237045	3 5319 1
F-230866.09	3 5403 1	F-233593	3 3558 1	F-237045.02	3 5319 1
F-230866.10	3 3540 1	F-233593.04	3 3558 1	F-237101.02	3 3580 1
F-230866.11	3 3540 1	F-233593.05	3 3558 1	F-237101.03	3 3580 1
F-230866.4	3 3540 1	F-233593.1	3 3558 1	F-237101.04	3 3580 1
F-230866.5	3 3540 1	F-233608.02	3 5317 1	F-237101.1	3 3580 1
F-230866.7	3 3540 1	F-233608.03	3 5317 1	F-237481	3 3582 1
F-231108	3 3539 1	F-233608.1	3 5317 1	F-237481.01	3 3582 1
F-231108.02	3 3539 1	F-233834	3 3569 1	F-237481.02	3 3582 1
F-231142	3 3577 1	F-233834.03	3 3565 1	F-237653	3 5318 1
F-231142.05	3 3577 1	F-233834.1	3 3565 1	F-238005	3 5307 1
F-231142.08	3 3577 1	F-233834.2	3 3565 1	F-238005.02	3 5307 1
F-231142.1	3 3577 1	F-233970	3 3564 1	F-238120	3 5309 1
F-231294	8 4209 0	F-233970.02	3 3564 1	F-238120.01	3 5309 1
F-231618.04	3 3556 1	F-233970.03	3 3564 1	F-238120.02	3 5309 1
F-231618.05	3 3556 1	F-233970.04	3 3564 1	F-238163	3 5332 1
F-231618.1	3 3556 1	F-234065	3 3578 1	F-238163.01	3 5332 1
F-231618.2	3 3556 1	F-234359	3 3563 1	F-238163.02	3 5332 1
F-231924	8 4209 0	F-234359.03	3 3563 1	F-238163.03	3 5332 1
F-232001.06	3 3568 1	F-234359.2	3 3563 1	F-238215	3 3561 1
F-232001.07	3 3568 1	F-234563.04	3 5311 1	F-238215.01	3 3561 1
F-232001.08	3 3568 1	F-234563.1	3 5311 1	F-238215.02	3 3561 1
F-232001.09	3 3568 1	F-234563.2	3 5311 1	F-238215.03	3 3561 1
F-232001.2	3 3568 1	F-234637	3 3581 1	F-238216	3 3569 1
F-232001.4	3 3568 1	F-234637.01	3 3581 1	F-238216.01	3 3569 1
F-232030.02	3 5345 1	F-234637.03	3 3581 1	F-238419.02	3 5366 1
F-232030.05	3 5345 1	F-234637.04	3 3581 1	F-238512.02	3 5326 1
F-232030.06	3 5345 1	F-234739	3 3559 1	F-238512.03	3 5326 1
F-232030.07	3 5345 1	F-234739.04	3 3559 1	F-238512.05	3 5326 1
F-232030.09	3 5345 1	F-234739.05	3 3559 1	F-238512.06	3 5326 1
F-232030.10	3 5345 1	F-234739.3	3 3559 1	F-238822	3 5357 1
F-232030.11	3 5345 1	F-235208	8 4090 0	F-238822.01	3 5357 1
F-232030.12	3 5345 1	F-235208.2	8 4090 0	F-238823.04	3 5389 1
F-232288.02	3 3583 1	F-235449	3 5313 1	F-238918.01	3 5339 1
F-232288.03	3 3583 1	F-235449.03	3 5313 1	F-238918.02	3 5339 1
F-232288.1	3 3583 1	F-235449.04	3 5313 1	F-239356	3 5335 1
F-232369.02	3 5410 1	F-235449.2	3 5313 1	F-239356.01	3 5335 1
F-232369.03	3 5410 0	F-235492	3 5331 1	F-239356.02	3 5335 1
F-232369.04	3 3573 1	F-235492.2	3 5331 1	F-239356.03	3 5335 1
F-232369.06	3 5410 0	F-235931	3 5354 1	F-239662	3 3560 1
F-232369.07	3 3573 1	F-235931.02	3 5354 1	F-239662.01	3 3560 1
F-232369.08	3 3573 1	F-235968	3 5314 1	F-239808.01	3 5374 1
F-232369.09	3 5410 0	F-235968.01	3 5314 1	F-239808.02	3 5374 1
F-232369.2	3 5410 1	F-235968.08	3 5314 1	F-239808.03	3 5374 1
F-232369.4	3 3573 1	F-235968.09	3 5314 1	F-239808.04	3 5374 1
F-232369.5	3 3573 1	F-23600.01	3 5353 1	F-239808.05	3 5374 1
F-232600	3 3549 1	F-236001	3 5353 1	F-239809.02	3 5345 1
F-232600.01	3 3549 1	F-236001.01	3 5353 1	F-239809.03	3 5345 1
F-232774.03	3 3589 1	F-236127	3 5312 1	F-239809.3	3 5345 1
F-232774.04	3 3589 1	F-236127.01	3 5312 1	F-239912.01	3 5355 1
F-232774.05	3 3589 1	F-236127.02	3 5312 1	F-239912.02	3 5355 1

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LCL	IKA	LCL	IKA	LCL	IKA
500 096 incl. small prts	9 1807 1	200 889	4 4352 0	500 140	9 1803 1
200 505	4 4259 0	200 890	4 4361 0	500 144 incl. small prts	9 1809 1
200 510	4 4260 0	200 891	4 4370 0	500 145 incl. small prts	9 1810 1
200 514	4 4256 0	200 892	4 4365 0	500 148 incl. small prts	9 1804 1
200 600	4 4056 0	200 893	4 4367 0	500 162	9 1887 1
200 601	4 4062 0	200 894	4 4366 0	500 164 incl. small prts	9 1805 1
200 602	4 4032 0	200 897	4 4302 0	500 384	9 1373 1
200 603	4 4053 0	200 899	4 4304 0	500 516	9 1896 1
200 604	4 4106 0	200 900	4 4305 0	501 151	9 1872 1
200 605	4 4009 0	200 903	4 4012 0	501 162	9 1857 1
200 606	4 4144 0	200 906	4 4080 0	501 516	9 1374 1
200 607	4 4023 0	200 907	4 4102 0	501 561	9 1368 1
200 609	8 4079 0	200 908	4 4115 0	501 718	9 1898 1
200 610	4 4077 0	200 909	4 4116 0	501 920	9 1375 1
200 611	4 4005 0	200 912	4 4255 0	502 122	9 1892 1
200 612	4 4061 0	200 917	4 4362 0	502 143 incl. small prts	9 1808 1
200 613	8 4096 0	200 919	4 4355 0	502 158	9 1836 1
200 614	4 4265 0	200 920	4 4011 0	502 160	9 1870 1
200 615	4 4022 0	200 921	4 4111 0	502 162	9 1889 1
200 616	4 4054 0	200 922	4 4350 0	502 522	9 1903 1
200 617	4 4052 0	200 923	4 4254 0	502 526	9 1891 1
200 618	4 4055 0	200 924	4 4119 0	502 930	9 1902 1
200 620	4 4004 0	200 925	4 4126 0	503 158	9 1836 1
200 622	4 4124 0	200 926	4 4141 0	503 160	9 1833 1
200 623	4 4300 0	200 927	4 4263 0	503 637	9 1385 1
200 624	4 4053 0	200 929	4 4363 0	503 771	9 1368 1
200 625	4 4351 0	200 940	4 4021 0	504 041	9 1732 1
200 626	4 4281 0	200 941	4 4136 0	504 647	9 1821 1
200 628	4 4300 0	200 942	4 4123 0	504 849	9 1820 1
200 629	4 4304 0	200 943	4 4109 0	505 051	9 1376 1
200 632	4 4311 0	200 944	4 4142 0	505 160	9 1830 1
200 636	4 4473 0	200 945	4 4013 0	505 469	9 1367 1
200 639	4 4464 0	200 946	4 4253 0	506 158	9 1836 1
200 640	4 4464 0	200 947	4 4352 0	506 470	9 1730 1
200 641	4 4456 0	200 951	4 4372 0	507 385	9 1377 1
200 642	4 4456 0	200 952	4 4371 0	508 182	9 1369 1
200 643	4 4458 0	200 953	4 4368 0	508 384	9 1373 1
200 644	4 4465 0	200 954	4 4456 0	509 192	9 1379 1
200 646	4 4460 0	200 955	4 4364 0	509 697	9 1369 1
200 652	4 4105 0	200 956	4 4369 0	CPB1001B	7 7127 1
200 655	4 4462 0	200 957	4 4306 0	CPB1002B	7 7129 1
200 656	4 4461 0	200 958	4 4307 0	CPB1003B	7 7132 1
200 658	4 4459 0	200 959	4 4308 0	CPB1004B	7 7130 1
200 659	4 4466 0	200 961	4 4304 0	CPB1006B	7 7119 1
200 660	4 4466 0	200 964	4 4301 0	CPB1007B	7 7120 1
200 663	4 4454 0	200 966	4 4302 0	CPB1008B	7 7121 1
200 666	4 4463 0	200 967	4 4311 0	CPB1009B	7 7124 1
200 667	4 4353 0	200 969	4 4009 0	CPB1010B	7 7128 1
200 668	4 4467 0	200 970	4 4131 0	CPB1011B	7 7125 1
200 669	4 4469 0	200 971	4 4123 0	CPB1012B	7 7126 1
200 670	4 4451 0	200 972	4 4304 0	CPB1013B	7 7131 1
200 671	4 4468 0	200 973	4 4426 0	CPB1014B	7 7122 1
200 672	4 4457 0	420 350	4 2201 0	CPB1015B	7 7115 1
200 673	4 4475 0	420 351	4 2202 0	CPB1018H	7 7140 1
200 680	8 4097 0	420 352	4 2205 0	CPB1021B	7 7117 1
200 681	8 4098 0	500 005	9 1893 1	CPB1022B	7 7118 1
200 682	4 4505 0	500 012 incl. small prts	9 1801 1	CPB1023B	7 7133 1
200 683	4 4506 0	500 013	9 1894 1		
200 830	4 4265 0	500 016	9 1895 1		
200 834	4 4354 0	500 020	9 1897 1		
200 846	4 4104 0	500 064	9 1901 1		
200 863	4 4004 0	500 088	9 1792 1		
200 864	4 4000 0	500 098	9 1802 1		
200 871	4 4408 0	500 100 incl. small prts	9 1806 1		
200 872	4 4103 0	500 102 incl. small prts	9 1800 1		
200 875	4 4259 0	500 106	9 1905 1		
200 876	4 4257 0	500 118 incl. small prts	9 1807 1		
200 877	4 4264 0	500 129	9 1370 1		
200 878	4 4351 0	500 132	9 1371 1		
200 879	4 4353 0	500 133	9 1372 1		

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MARELLI/FIAT

IKA

7216 2402	0 0503 0
7216 2403	0 0510 0
7216 2404	0 0509 0
7216 3201	0 0497 0
723 604 01	4 3802 0
723 625 10	4 4306 0
723 627 01	7 7397 1
723 629 10	4 4307 0
723 643 10	4 0746 0
723 650 10	4 4308 0
723 819 01	4 3803 0
7236 3202	0 0496 0
7236 3203	0 0498 0
7236 3204	0 0499 0
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7236 3207	0 0498 0
7237 0901	0 0051 0
7237 0902	0 0051 0
7238 3701	0 0505 0
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7238 3706	0 0508 0
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7435 0331	0 0056 0
7437 1190	0 0051 0
7437 1200	0 0051 0
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747 058 10	4 4354 0
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7470 2610	0 0323 0
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7473 4101	0 0326 0
748 600 61	4 3805 0
748 603 00	4 4300 0
748 603 80	4 4301 0
748 661 40	4 4305 0
748 665 21	1 2081 0
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748 685 31	1 2081 0
748 747 61	1 2081 0
748 796 21	4 3761 0
748 811 10	4 4300 0
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748 997 81	4 3809 0
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7486 8171	0 0321 0
7487 4701	0 0325 0
7487 4741	0 0325 0
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7488 1121	0 0331 0
7488 7901	0 0334 0
7488 7911	0 0335 0
7488 8401	0 0336 0
7489 1071	0 0331 0
7489 1080	0 0336 0
7489 1260	0 0339 0
7489 3801	0 0341 0

MARELLI/FIAT

IKA

7489 3811	0 0341 0
7489 4381	0 0345 0
7489 4391	0 0346 0
7489 9061	0 0345 0
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7499 5241	0 0309 0
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7499 9471	0 0309 0
7499 9481	0 0310 0
7499 9931	0 0312 0
749909901	0 0312 0
773 625 58	3 3573 1
773 627 21	3 3580 1
773 635 65	3 5325 1
773 640 82	3 5384 1
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7970 3271	0 0311 0
7970 5021	0 0317 0
7970 7451	0 0317 0
8 362 397	3 5403 1
8 362 516	3 3540 1
8 362 959	3 3563 1
80 4920	0 0322 0
80 5581	0 0321 0
80 9775	0 0332 0
832 204 61	7 7193 1
832 212 41	7 7192 1
832 222 70	8 4079 0
832 244 61	7 7190 1
832 253 26	7 7190 1
832 258 86	7 7194 1
832 263 36	7 7191 1
8322 0401	0 0348 0
8322 0411	0 0349 0
8322 1191	0 0356 0
8322 1201	0 0354 0
8322 1681	0 0355 0
8322 2631	0 0348 0
8322 2651	0 0349 0
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8322 5824	0 0363 0
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8322 6189	0 0357 0
8322 6217	0 0363 0
8322 6218	0 0368 0
8322 6428	0 0362 0
8322 6919	0 0372 0
8322 6920	0 0373 0
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8322 7362	0 0370 0
8322 7364	0 0371 0
8322 7470	0 0350 0
8322 7490	0 0359 0
8322 7491	0 0358 0
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MARELLI/FIAT

IKA

8322 7495	0 0366 0
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8322 7584	0 0371 0
8322 7657	0 0347 0
8322 8257	0 0349 0
836 533 01	3 5319 1
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855 401 41	4 3765 0
855 403 21	4 3732 0
855 404 01	4 3766 0
855 408 21	4 2400 1
855 410 30	4 3768 0
855 600 11	1 3635 0
855 613 81	3 5403 1
8554 1333	0 1615 1
8554 1338	0 1615 1
8554 1476	0 1614 1
8554 1491	0 1609 1
9 927 783	4 4307 0
9 927 787	4 4306 0
9 927 789	4 4307 0
9 927 796	4 4308 0
9 932 507	4 3802 0
9 936 049	4 3762 0
9 938 368	4 4300 0
9 939 199	4 4077 0
9 948 225	3 3540 1
9 949 580	3 3527 1
9 949 627	3 3586 1
9 951 162	3 3540 1
9 956 549	4 3803 0
9 986 112	4 3736 0
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991 1443	0 0056 0
992 7791	0 0497 0
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992 8448	0 0499 0
992 9080	0 0498 0
993 5196	0 0505 0
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MITSUBISHI

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CROSS REFERENCE LIST

MITSUBISHI

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JK58A-01636A	3 5320 1
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M409X32571	4 4484 0
M410D11271	4 4456 0
M410D12171	4 4442 0
M410D12670	4 4458 0
M410D30171	4 4460 0
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M410X14171w.bush	8 8306 0
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M647C00571	0 0953 0
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M647C00671	0 0955 0
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M647X04571	0 1941 1
M647X05571	0 1941 1
M647X05871	0 1941 1
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MITSUBISHI

IKA

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MD602069	0 1967 1
MD602213	4 4460 0
MD602226	0 1911 1
MD602458	0 1902 1
MD602468	0 1971 1
MD602470	0 1970 1
MD602591	4 4464 0
MD602593	0 1980 1
MD602594	0 1980 1
MD602750	0 1911 1
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MD604643	0 1938 1
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MD607373	0 1910 1
MD607389	0 1970 1
MD607420	0 1971 1
MD607461	0 1989 1
MD607505	1 5003 1
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MD607556	0 1983 1
MD607626	1 5004 1
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MD607899	0 1956 1
MD607903	4 4465 0
MD607949	0 1967 1
MD611024	0 1973 1
MD611035	0 1914 1
MD611042	4 4470 0

MITSUBISHI

IKA

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MD611566	0 1914 1
MD611689	0 1916 1
MD611731	0 1976 1
MD611918	0 1954 1
MD618334	4 4484 0
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MD618460	0 1994 1
MD618538	4 2228 0
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ME022372	1 5007 1
ME700047	0 1972 1
ME700127	0 1994 1
ME700140	0 1995 1
ME700290	0 1972 1
ME700424	0 1909 1
ME700858	0 1973 1
ME700939	0 1972 1
ME700944	1 5005 1
ME701024	8 8430 0
ME701169	0 1995 1
ME701186	0 1909 1
ME701188	0 1994 1
ME701467	7 7274 1
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TLA141912ZE01	8 8161 0
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083 101 006	4 6054 1
083 450 001	4 6035 1
083 776 001	4 4004 0
083 776 011	4 4011 0
083 776 012	4 4012 0
083 776 021	4 4021 0
083 776 022	4 4022 0
083 776 046	4 4004 0
083 776 054	4 4054 0
083 776 056	4 4056 0
083 776 317	4 4093 0
083 776 347	4 4077 0
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VERGLEICHSLISTE

CROSS REFERENCE LIST

MONARK

083 777 000	4 4103 0
083 777 002	4 4102 0
083 777 004	4 4104 0
083 777 009	4 4109 0
083 777 015	4 4115 0
083 777 016	4 4116 0
083 777 019	4 4119 0
083 777 026	4 4126 0
083 777 036	4 4136 0
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083 777 041	4 4141 0
083 777 043	4 4142 0
083 965 005	8 8693 0
083 965 012	8 8665 0
083 965 013	8 4092 0
083 965 015	8 8663 0
083 965 384	8 4079 0
084 169 060	4 3781 0
085 831 815	7 7125 1
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085 831 909	7 7129 1
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086 355 018	4 2304 0
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086 392 056	4 2318 0
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IKA

MONARK

087 065 949
087 065 952
087 065 962
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087 065 968
087 065 970
087 065 990
087 066 961
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087077068
088 358 005
088 359 007
088 359 095
088 646 060
088 646 075
088 646 082
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095 235 072
095 257 025
095 257 026
095 257 031
095 257 033
095 257 042
095 257 043
095 857 003
095 857 004
095 857 055
095 857 089
096 157 101
096 157 104
096 157 106
096 457 510
096 457 515
096 957 145
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096 957 620
096 957 630

IKA

9 1806 1
9 1807 1
9 1809 1
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9 1804 1
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9 1512 1
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1 2013 0
1 2030 0
1 2047 0
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1 2048 0
1 2017 0
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PAL/MAGNETON

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114 904 550
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323 125 527 127
323 125 527 131
323 125 723 125
323 622 642 933
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360 904 551
390 905 550
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395 904 551
397 907 552
751 904 552

IKA

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SKF

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6002 2RSC3
6003 2RSC3
6004 2RSC3
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6006 2RSC3
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608 2RS
608 ZZ
609 2RS
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6201 ZC3
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6202 ZC3
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6203 2RSC3
6203 ZC3
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6904 2RS
6905 2RS
6906 2RS
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NU 205 ETVP2
NU 305

IKA

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8 8143 0
8 8144 0
8 8213 0
8 8214 0
8 8215 0
8 8216 0
8 8218 0
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8 8263 0
5 8147 7
5 8153 7
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8 8260 0
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8 8262 0
8 8431 0
8 8333 0
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8 8555 0

VALEO

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028 936
030 828
035 070
046 388
046 389
046 390
047 852
049 785

IKA

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4 4260 0
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4 4256 0
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4 4366 0
4 4354 0
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VERGLEICHSLISTE

CROSS REFERENCE LIST

VALEO

IKA

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055 331	4 4370 0
068 412	4 4264 0
068 449	4 4353 0
068 754	4 4255 0
068 763	4 4351 0
068 888	4 4260 0
068 902	4 4265 0
068 903	4 4265 0
071 381	4 4369 0
071 437	4 4362 0
073 294	4 1000 0
073 742	0 1710 1
074 330	4 4364 0
074 332	4 4361 0
074 952	4 4355 0
075 411	0 1712 1
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079 058	1 3618 0
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084 909	4 4265 0
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092 533	4 0760 0
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092 746	0 1715 1
092 850	0 1715 1
092 859	0 1781 1
092 967	0 1781 1
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095 788	0 1712 1
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095 984	0 1712 1
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096 302	0 1715 1
096 304	0 1712 1
096 322	0 1712 1
096 334	0 1712 1
096 485	4 4351 0
097 726	4 4264 0
097 804	4 1002 0
098 888	4 4257 0
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100 155	1 3607 0
100 240	1 3608 0
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104 594	4 3452 0
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105 715	4 4372 0
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182 050	4 4663 1
182 051	0 1776 1
182 054	0 1775 1
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VALEO

IKA

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182 070	0 1760 1
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182 113	0 1759 1
182 114	0 1746 1
182 115	0 1746 1
182 116	0 1757 1
182 117	0 1746 1
182 118	0 1769 1
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182 133	0 1759 1
182 134	0 1750 1
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182 142	4 4656 1
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182 146	0 1755 1
182 157	4 4652 1
182 158	4 4654 1
182 162	0 1756 1
182 164	4 4655 1
182 194	0 1355 1
182 231	0 1710 1
183 957	7 7151 1
185 467	8 8668 0
185 468	8 2260 0
185 936	8 4079 0
185 951	8 4096 0
186 381	7 7151 1
186 448	5 8699 0
186 448	8 8669 0
186 663	8 2269 0
187 517	7 7159 1
187 626	7 7159 1
187 946	7 7165 1
188 068	8 8678 0
190 053	8 8674 0
190 097	7 7167 1
190 986	7 7167 1
190 987	7 7146 1
191 060	7 7148 1
191 141	7 7147 1
191 821	7 7167 1
191 822	7 7148 1
191 823	7 7147 1
191 824	7 7146 1
192 984	7 7149 1
193 288	7 7146 1
194 404	7 7604 1
195 253	7 7602 1
195 713	7 7603 1
199 411	7 7601 1

VALEO

IKA

20 856	0 1361 1
23 268	0 1320 1
2519621	1 3651 0
2519836	1 3652 0
252 3992	1 2090 0
2546308	1 3656 0
2546778	3 3520 1
2546952	3 3546 1
2546971	3 3551 0
2546971-A	3 3551 0
2546990	3 3552 0
2546999	3 3524 1
2547128	3 3518 1
2547129	3 3550 0
2547129-A	3 3550 0
2547439	3 3541 1
2547655	3 3533 1
2547737	3 3543 1
2547917	3 3532 1
2548207	3 3558 1
2548543	3 3586 1
2548621	3 3581 1
2549800	3 3557 1
2549858	3 3577 1
2600001	3 3533 1
2600161	3 3580 1
2601010	3 5333 1
2601052	3 3579 1
2601593	3 3582 1
2601991	3 5366 1
2601992	3 5329 1
2602150	3 5329 1
2602484	3 5323 1
2602751	3 5345 1
2602877	3 3586 1
2602881	3 5347 1
2602911	3 3520 1
2602986	3 5348 1
2603331	3 5348 1
2603341	3 3543 1
2603530	3 3579 1
2604126	3 5391 1
2604332	3 3543 1
2604640	3 5391 1
2604787	3 5344 1
2655139	3 3587 1
2655703	3 3589 1
300 665	0 1717 1
300 679	0 1746 1
300 682	0 1717 1
300 686	0 1715 1
300 687	0 1767 1
300 700	0 1759 1
300 706	0 1770 1
300 722	0 1719 1
300 796	0 1781 1
300 821	0 1781 1
300 841	0 1771 1
300 842	0 1771 1
34100328	1 2024 0
458172	6 7100 0
49100327	1 2032 0
514-001	1 3640 0
514-080	1 3644 0
514-115	1 3644 0
514-122	1 3646 0
514-267	1 3645 0
553 768	8 4079 0
556 255	8 2260 0
571 234	8 2256 0

VERGLEICHSLISTE

CROSS REFERENCE LIST

VALEO

IKA

571 321	8 4099 0
571 396	8 2258 0
580359	3 5301 1
581 068	0 1323 1
581 092	0 1324 1
581 111	0 1327 1
581 118	0 1327 1
581 133	0 1327 1
581 144	0 1327 1
581 154	0 1327 1
581 159	0 1327 1
581 161	0 1327 1
581 164	0 1327 1
581 216	0 1327 1
581 222	0 1327 1
581110	1 2038 0
583 041	0 1367 1
583 099	4 3457 0
583 161	4 3457 0
583 241	0 1368 1
583 320	0 1368 1
583 333	4 3457 0
583 348	4 4674 1
583 369	4 4675 1
583 372	4 4676 1
583 376	4 4677 1
583 379	4 4678 1
583 381	4 4673 1
583516	3 3558 1
590566	1 3609 0
590629	1 3682 0
590651	1 3706 0
591015	1 3657 0
591096	1 3656 0
592 905	8 8212 0
592 936	8 8212 0
592940	1 3658 0
592941	1 3687 0
592942	1 3651 0
592943	1 3654 0
592944	1 3655 0
592945	1 3653 0
592946	1 3652 0
592947	1 3649 0
593235	1 3659 0
593247	1 3657 0
593291	1 3688 0
593315	1 3689 0
593317	1 3690 0
593335	1 3692 0
593367	1 3703 0
593374	1 3692 0
593416	1 3705 0
593417	1 3701 0
593481	1 3705 0
593490	3 3541 1
593492	3 3524 1
593493	3 3543 1
593494	3 3559 1
593495	3 3518 1
593504	1 3704 0
593514	3 3533 1
593515	3 3546 1
593516	3 3581 1
593517	3 3546 1
593521	3 3532 1
593539	3 5307 1
593554	3 3533 1
593600	3 3520 1
593610	3 5303 1

VALEO

IKA

593618	3 5345 1
593625	3 3568 1
593778	3 3577 1
593782	3 3582 1
593832	3 3579 1
593834	1 3701 0
593848	1 3702 0
593860	3 3580 1
593891	3 5301 1
593904	3 5307 1
593907	3 3586 1
593960	3 5374 1

VERGLEICHSLISTE

CROSS REFERENCE LIST

IKA	EURO REF.
0 1001 1	BSX 151 S
0 1008 1	BSX 49 S
0 1009 1	BSX 75 S
0 1010 1	BSX 157-158 S
0 1013 1	BSX 172-173 S
0 1014 1	BSX 177 S
0 1025 1	BSX 96 S
0 1026 1	BSX 100 S
0 1029 1	BSX 148 S
0 1030 1	BSX 239-240
0 1033 1	BSX 241-242
0 1034 1	BX 68 (4)
0 1035 1	BX 104 (2)
0 1036 1	BX 104 (4)
0 1043 1	BX 140 (4)
0 1044 1	BX 151
0 1048 1	BX 169
0 1051 1	BX 182
0 1052 1	BX 185
0 1061 1	BX 202
0 1062 1	BX 204
0 1063 1	BX 208
0 1064 1	BX 216
0 1065 1	BX 213
0 1066 1	BX 209
0 1067 1	BX 214
0 1068 1	BX 215
0 1069 1	BX 192 (4)
0 1075 1	BX 165
0 1079 1	BX 188
0 1080 1	BX 190
0 1081 1	BX 199
0 1082 1	BX 219
0 1083 1	BX 220
0 1084 1	BX 198
0 1086 1	BX 203
0 1087 1	BSX 182-183
0 1088 1	BSX 184-185
0 1089 1	BSX 206-207
0 1091 1	BSX 210-211
0 1092 1	BSX 212-213
0 1093 1	BSX 214-215
0 1094 1	BSX 216-217
0 1095 1	BSX 218-219
0 1096 1	BSX 220-221
0 1099 1	BSX 36
0 1100 1	BSX 12
0 1102 1	BSX 33
0 1103 1	BSX 34
0 1104 1	BSX 35
0 1105 1	BSX 39
0 1106 1	BSX 43 (4)
0 1107 1	BSX 44 (4)
0 1112 1	BSX 53 / 59 (2)
0 1118 1	BSX 62
0 1119 1	BSX 67
0 1121 1	BSX 70
0 1123 1	BSX 74
0 1124 1	BSX 75
0 1125 1	BSX 76
0 1130 1	BSX 93
0 1132 1	BSX 96
0 1136 1	BSX 100
0 1138 1	BSX 102
0 1140 1	BSX 104 (2)
0 1145 1	BSX 129/130
0 1147 1	BSX 134-144
0 1148 1	BSX 135-145
0 1149 1	BSX 137-143
0 1150 1	BSX 138-142

IKA	EURO REF.
0 1151 1	BSX 139
0 1152 1	BSX 140
0 1154 1	BSX 146
0 1155 1	BSX 147
0 1156 1	BSX 148
0 1157 1	BSX 149
0 1158 1	BSX 151
0 1159 1	BSX 151/0
0 1160 1	BSX 153
0 1162 1	BSX 152
0 1164 1	BSX 155
0 1165 1	BSX 157-158
0 1166 1	BSX 159-160
0 1167 1	BSX 157-158 K Mercedes
0 1168 1	BSX 163-164
0 1169 1	BSX 165
0 1170 1	BSX 197
0 1171 1	BSX 170-171
0 1172 1	BSX 172-173
0 1173 1	BSX 166
0 1174 1	BSX 177
0 1175 1	BSX 175-176
0 1176 1	BSX 178-179
0 1177 1	BSX 180-181
0 1178 1	BSX 202-203
0 1179 1	BSX 186
0 1180 1	BSX 186-187
0 1182 1	BSX 198-199
0 1183 1	BSX 190-191
0 1184 1	BSX 192-193
0 1186 1	BSX 194-195
0 1187 1	BSX 196
0 1188 1	BSX 200-201
0 1194 1	BSX 172-173-174
0 1195 1	BSX 44/920
0 1196 1	BSX 592
0 1197 1	BSX 204-205
0 1198 1	BSX 105 (2) S
0 1199 1	BSX 131 S
0 1200 1	BSX 134-144 S
0 1201 1	BSX 137-143 S
0 1202 1	BSX 102 S
0 1203 1	BSX 135-145 S
0 1204 1	BSX 139 S
0 1205 1	BSX 70 S
0 1206 1	BSX 152 S
0 1207 1	BSX 149 S
0 1210 1	BSX 237-238
0 1211 1	BSX 236
0 1212 1	BSX 234-235
0 1213 1	BSX 155 S
0 1214 1	BSX 231-232-215
0 1215 1	BSX 233
0 1216 1	BSX 229-230
0 1217 1	BSX 228
0 1218 1	BSX 226-227
0 1219 1	BSX 224-225
0 1220 1	BSX 222-223
0 1221 1	ASX 7
0 1222 1	FX 68
0 1223 1	ASX 11
0 1228 1	ASX 19 (4)
0 1229 1	AX 32
0 1250 1	RX 120 (2)
0 1251 1	RX 120 (4)
0 1252 1	RX 911 (RX 138)
0 1253 1	RX 912 (RX 139)
0 1254 1	RX 419-420
0 1255 1	RX 457-458
0 1256 1	RX 122H

IKA	EURO REF.
0 1257 1	RX 124H
0 1258 1	RX 51
0 1259 1	RX 134H
0 1260 1	RX 135H
0 1261 1	RX 142-143
0 1262 1	RX 119
0 1263 1	RX 140-141
0 1264 1	RX 134-2C
0 1265 1	RX 134H-2C
0 1266 1	RX 103
0 1267 1	RX 103 F
0 1268 1	RX 103 E
0 1269 1	RX 106
0 1270 1	RX 117
0 1271 1	RX 144
0 1272 1	RX 913-914
0 1273 1	RX 915
0 1274 1	RX 916-917
0 1275 1	RX 918-919
0 1280 1	RX 122
0 1281 1	RX 124
0 1282 1	RX 134
0 1283 1	RX 135
0 1284 1	RX 60
0 1285 1	RX 70 (4)
0 1286 1	RX 96 (R 120)
0 1287 1	RX 87
0 1288 1	RX 95
0 1289 1	RX 70 (8)
0 1290 1	RX 132-133
0 1291 1	RX 120 (3)
0 1292 1	RX 120/0 (3)
0 1293 1	RX 92 (12)
0 1294 1	RX 120/0 (2)
0 1295 1	RX 120/0 (4)
0 1296 1	RX 92
0 1298 1	RX 120 (2) S
0 1299 1	RX 120 (4) S
0 1320 1	UX 71-72
0 1321 1	UX 79-80
0 1322 1	UX 81
0 1323 1	UX 82-83/0
0 1324 1	UX 84
0 1325 1	UX 85
0 1327 1	UX 87-88/0
0 1328 1	UX 87-89
0 1332 1	UX 92
0 1351 1	USX 44-21
0 1352 1	USX 45-23
0 1353 1	USX 50-51 (2)
0 1354 1	USX 50-51 (4)
0 1355 1	USX 60-59
0 1361 1	USX 73-85
0 1363 1	USX 76-77-78
0 1367 1	USX 91-92
0 1368 1	USX 93-94
0 1369 1	GSX 9
0 1370 1	GSX 1
0 1371 1	GSX 4
0 1372 1	GSX 7
0 1373 1	GSX 8
0 1374 1	GSX 11
0 1375 1	GSX 15
0 1376 1	GSX 16-17
0 1377 1	GSX 18
0 1378 1	GSX 19
0 1379 1	GSX 20
0 1380 1	FEX 26
0 1381 1	FEX 27
0 1382 1	FEX 28

VERGLEICHSLISTE

CROSS REFERENCE LIST

IKA	EURO REF.
0 1383 1	GSX 21
0 1384 1	GSX 22
0 1390 1	FESX 6-7
0 1391 1	FESX 9
0 1394 1	FESX 13
0 1395 1	FESX 16
0 1396 1	FESX 25-26
0 1397 1	FESX 24
0 1405 1	JX 16
0 1407 1	JX 18
0 1410 1	JX 22
0 1411 1	JX 24-25
0 1413 1	JX 26
0 1415 1	JX 30-31
0 1417 1	JX 32
0 1422 1	JX 40-41/0
0 1430 1	JX 36-37
0 1432 1	JX 39-37
0 1433 1	JX 42
0 1434 1	JX 43
0 1435 1	JX 44
0 1451 1	JSX 5
0 1453 1	JSX 11
0 1454 1	JSX 9
0 1455 1	JSX 14
0 1456 1	JSX 12
0 1457 1	JSX 13 (4)
0 1458 1	JSX 15
0 1459 1	JSX 16
0 1460 1	JSX 17
0 1461 1	JSX 18
0 1462 1	JSX 19
0 1464 1	JSX 21-22
0 1466 1	JSX 23-24-28
0 1467 1	JSX 25-22
0 1468 1	JSX 26-27
0 1469 1	JSX 29-30
0 1470 1	JSX 31-32
0 1471 1	JSX 33-34
0 1472 1	JSX 35-36
0 1473 1	JSX 35-37
0 1474 1	JSX 38-39-40 (3)
0 1475 1	JSX 38-41(2)
0 1476 1	JSX 38-42(2)
0 1477 1	JSX 40-46-47 (4)
0 1478 1	JSX 43-45-44 (4)
0 1479 1	JSX 48-49-50 (3)
0 1480 1	JSX 51-52 (2)
0 1481 1	JSX 53-54
0 1482 1	JSX 38-40-58 (4)
0 1483 1	JSX 43-45-57 (3)
0 1484 1	JSX 50-55-56 (3)
0 1485 1	JSX 51-52-59 (3)
0 1486 1	JSX 51-52-63 (4)
0 1487 1	JSX 61-62-63 (4)
0 1490 1	JSX 70-71
0 1491 1	JSX 72-73 Denso P76
0 1492 1	JSX 74-75-76-77 P70
0 1521 1	FX 5-6
0 1522 1	FX 74-78
0 1523 1	FX 76-77
0 1524 1	FX 75
0 1525 1	FX 41
0 1526 1	FX 67
0 1527 1	FX 70-71
0 1528 1	FX 70-72
0 1529 1	FX 73
0 1530 1	FX 74
0 1532 1	IKSX 2-3
0 1533 1	IKSX 4

IKA	EURO REF.
0 1534 1	IKSX 5-6
0 1535 1	IKSX 7
0 1536 1	IKSX 8-9 2component
0 1537 1	IKSX 10-11
0 1538 1	IKSX 12
0 1539 1	IKSX 10
0 1549 1	IKSX 13-14
0 1550 1	LAX 9
0 1553 1	LAX 23
0 1558 1	LAX 29
0 1559 1	LAX 30
0 1560 1	LAX 31
0 1561 1	LAX 31-32
0 1562 1	LAX 33
0 1568 1	LAX 80
0 1569 1	LAX 80-81
0 1570 1	LAX 82
0 1571 1	LAX 80-83
0 1572 1	LAX 84-85
0 1573 1	LAX 86
0 1600 1	LASX 2
0 1601 1	LASX 75 (4)
0 1603 1	LASX 76 (4)
0 1604 1	LASX 5-6
0 1605 1	LASX 74-79-80
0 1606 1	LASX 77-78-74
0 1607 1	LASX 81-82
0 1608 1	LASX 15-16
0 1609 1	LASX 15-27
0 1610 1	LASX 83-84
0 1611 1	LASX 85-84
0 1612 1	LASX 46-47-48
0 1613 1	LASX 30-31-32
0 1614 1	LASX 31
0 1615 1	LASX 36
0 1616 1	LASX 37-38-39
0 1617 1	LASX 40-41
0 1618 1	LASX 42
0 1619 1	LASX 43-44/0 w/o.term.
0 1620 1	LASX 44-45
0 1621 1	LASX 73-41
0 1622 1	LASX 43-47-48 w. term.
0 1623 1	LASX 86-79-80
0 1624 1	LASX 87-77-78
0 1625 1	LASX 88-77-78
0 1626 1	LASX 90-91
0 1627 1	LASX 92-93
0 1628 1	LASX 43-44 w. terminal
0 1660 1	MASX 4
0 1662 1	MASX 3
0 1663 1	MASX 13-14
0 1664 1	MASX 15-16
0 1665 1	MASX 17-18
0 1666 1	MASX 19-20
0 1668 1	MASX 21-22
0 1669 1	MASX 23-24
0 1670 1	MASX 25-26
0 1671 1	MASX 27-28
0 1680 1	MOSX 5-6
0 1681 1	Lada brushes kit
0 1683 1	MX 3-4
0 1684 1	NOX 29
0 1685 1	NOX 16
0 1686 1	NOX 15
0 1687 1	BLSX 138-139
0 1688 1	PLX 5
0 1689 1	PLSX 5
0 1690 1	PLSX 3
0 1691 1	PLSX 4
0 1692 1	PLX 10

IKA	EURO REF.
0 1693 1	PLX 11
0 1700 1	PSX 115-116 S
0 1710 1	PX 50
0 1712 1	PX 52-54
0 1715 1	PX 56
0 1717 1	PX 58
0 1719 1	PX 60
0 1720 1	PX 61
0 1724 1	PSX 133/0
0 1726 1	PSX 156
0 1727 1	PSX 155 (3)
0 1728 1	PSX 155 (4)
0 1731 1	PSX 165-164
0 1732 1	PSX 148-149 S w/o.spr.
0 1735 1	PSX 160-164 D7G c/w
0 1737 1	PSX 161
0 1738 1	PSX 55-76
0 1740 1	PSX 163-164
0 1741 1	PSX 64-70 (2)
0 1742 1	PSX 64-70 (4)
0 1743 1	PSX 166-167
0 1744 1	PSX 168-167
0 1745 1	PSX 169-170
0 1746 1	PSX 81-82
0 1747 1	PSX 89-90
0 1750 1	PSX 83-84
0 1752 1	PSX 142-144
0 1753 1	PSX 106-107
0 1754 1	PSX 142-145
0 1755 1	PSX 112
0 1756 1	PSX 88
0 1757 1	PSX 115-116
0 1759 1	PSX 115-116-121
0 1760 1	PSX 119-120
0 1761 1	PSX 122-123-124
0 1762 1	PSX 132 K
0 1763 1	PSX 133 K
0 1765 1	PSX 148-154 w/o.spring
0 1766 1	PSX 129
0 1767 1	PSX 130
0 1768 1	PSX 148-158 w/o spring
0 1769 1	PSX 132
0 1770 1	PSX 133 / PSX 131
0 1771 1	PSX 136-137
0 1773 1	PSX 148-149 w/o spring
0 1774 1	PSX 148-149/0
0 1775 1	PSX 138-139 (2)
0 1776 1	PSX 140-141 (4)
0 1777 1	PSX 148-157 w/o spring
0 1778 1	PSX 148-159 w/o spring
0 1779 1	PSX 142-143
0 1780 1	PSX 152-153
0 1781 1	SVX 7 / 9
0 1782 1	SVX 10
0 1783 1	PSX 146-147 w/o.spring
0 1785 1	HX 6
0 1786 1	HX 56
0 1787 1	HX 346
0 1788 1	HX 155
0 1789 1	HX 172
0 1790 1	HX 116
0 1791 1	HX 124
0 1792 1	HX 341
0 1793 1	HX 54
0 1794 1	HX 16
0 1795 1	HX 3
0 1796 1	HX 26
0 1797 1	HX 109
0 1798 1	HX 106
0 1799 1	HX 161

VERGLEICHSLISTE

CROSS REFERENCE LIST

IKA	EURO REF.
0 1800 1	HPIX 1 MAD Faurecia
0 1801 1	HPIX 2 MAD4 Faurecia
0 1802 1	HPIX 3 MAD2 Faurecia
0 1803 1	HPIX 4 Siemens VDO
0 1899 1	JA-AX 10
0 1900 1	JA-AX 9
0 1901 1	JA-AX 12
0 1902 1	JA-AX 16
0 1903 1	JA-AX 36 ST
0 1904 1	JA-AX 15
0 1905 1	JA-AX 20 / 29
0 1906 1	JA-AX 19
0 1907 1	JA-AX 5-8
0 1908 1	JA-AX 40
0 1909 1	JA-AX 31
0 1910 1	JA-AX 24
0 1911 1	JA-AX 25 / 18
0 1912 1	JA-AX 32
0 1913 1	JA-AX 33
0 1914 1	JA-AX 34
0 1915 1	JA-AX 35
0 1916 1	JA-AX 36
0 1917 1	JA-AX 28
0 1918 1	JA-AX 37
0 1919 1	JA-AX 38
0 1920 1	JA-AX 39
0 1933 1	JA-SX 101-102
0 1934 1	JA-SX 34-30
0 1935 1	JA-SX 35
0 1936 1	JA-SX 38
0 1937 1	JA-SX 36-37
0 1938 1	JA-SX 39
0 1939 1	JA-SX 39 C
0 1940 1	JA-SX 14 (4)
0 1941 1	JA-SX 44-28
0 1942 1	JA-SX 15-6 (4)
0 1943 1	JA-SX 1
0 1944 1	JA-SX 22 (2)
0 1945 1	JA-SX 22 (4)
0 1946 1	JA-SX 2
0 1948 1	JA-SX 49-61
0 1949 1	JA-SX 29
0 1950 1	JA-SX 59-60
0 1951 1	JA-SX 32-33
0 1952 1	JA-SX 31
0 1953 1	JA-SX 40-41
0 1954 1	JA-SX 42-43
0 1955 1	JA-SX 10-11
0 1956 1	JA-SX 45-46
0 1957 1	JA-SX 47-48
0 1958 1	JA-SX 56-3/0
0 1959 1	JA-SX 56-3
0 1960 1	JA-SX 57-58
0 1961 1	JA-SX 50-51
0 1962 1	JA-SX 52
0 1963 1	JA-SX 53
0 1964 1	JA-SX 54-55
0 1965 1	JA-SX 62
0 1966 1	JA-SX 63
0 1967 1	JA-SX 70
0 1968 1	JA-SX 64-65-67
0 1969 1	JA-SX 66-67
0 1970 1	JA-SX 69-70 (3)
0 1971 1	JA-SX 69-70 (4)
0 1972 1	JA-SX 71-72
0 1973 1	JA-SX 71
0 1974 1	JA-SX 74-75
0 1975 1	JA-SX 74
0 1976 1	JA-SX 68-73
0 1977 1	JA-SX 77-78

IKA	EURO REF.
0 1978 1	JA-SX 26-27
0 1979 1	JA-SX 24-25
0 1980 1	JA-SX 23
0 1981 1	JA-SX 82-83 (3)
0 1982 1	JA-SX 80-81
0 1983 1	JA-SX 82-83 (4)
0 1984 1	JA-SX 84
0 1985 1	JA-SX 85
0 1986 1	JA-SX 86-87
0 1987 1	JA-SX 21(4)
0 1988 1	JA-SX 88
0 1989 1	JA-SX 90
0 1990 1	JA-SX 91
0 1991 1	JA-SX 89
0 1992 1	JA-SX 92-93 12V
0 1993 1	JA-SX 94-95 24V
0 1994 1	JA-SX 98-99 12V
0 1995 1	JA-SX 96-97 24V
0 1996 1	JA-SX 18-19
0 1997 1	JA-SX 79
0 1998 1	JA-SX 16-17
0 1999 1	JA-SX 100

