

AUSGABE  
EDITION

2018/2019

Quality inside

Neue Teile  
New parts  
Nouveaux produits

= **NEW**

Dieser Katalog ist urheberrechtlich geschützt. Vervielfältigungen, auch auszugsweise, sind nicht gestattet. Die in diesem Katalog aufgeführten Original-Ersatzteilnummern dienen lediglich Vergleichszwecken.

Alle Daten wurden sorgfältig erarbeitet. Eine Gewähr für die Richtigkeit kann jedoch nicht übernommen werden.

This catalogue is protected by copyright. The duplication or even the duplication of parts is prohibited. O.E.M. names and numbers are used for reference purpose only.

Every effort has been made to ensure that the information in this catalogue is correct at the time of printing. We can not take responsibility to errors that may occur.

Copyright IKA GmbH © 2018. Alle Rechte vorbehalten.

Sie können alle GEBE-Artikel bequem mit dem **GEBE-Compass** finden.

Die Artikel können über Referenznummern, Aggregatenummern oder Fahrzeugverwendungen gesucht werden.

Den GEBE-Compass gibt es **online oder als App**.

You can find all GeBe part numbers with the **GEBE-compass**.

The part numbers can be look up via cross reference numbers, unitnumbers, or vehicle applications.

The GEBE-compass is available **online or as App**.



# INHALTSVERZEICHNIS - INDEX - SOMMAIRE

## ERSATZTEILE FÜR STARTER COMPONENTS FOR STARTERS PIECES DE RECHANGE POUR DEMARREURS

	Seite - Page	
<b>1. KOHLEBÜRSTEN</b> CARBON BRUSHES BALAIS EN CHARBON	1 - 72	
<b>2. BÜRSTENHALTER UND BÜRSTENHALTER-KITS</b> BRUSH-HOLDERS AND BRUSHHOLDER-KITS PORTE-CHARBONS ET KITS PORTE-CHARBONS	73 - 142	
<b>3. STARTERRITZEL</b> STARTER DRIVES LANCEURS DE DEMARREUR	143 - 182	
<b>4. MAGNETSCHALTER</b> SOLENOIDS INTERRUPTEUR MAGNÉTIQUE	183 - 212	
<b>5. ERSATZTEILE FÜR GETRIEBESTARTER</b> COMPONENTS FOR GEAR STARTERS PIECES DE RECHANGE POUR DEMARREURS A REDUCTEUR	213 - 226	
<b>6. SINTERBUCHSEN</b> BUSHINGS BAGUES	227 - 242	
<b>7. NADELLAGER</b> NEEDLE BEARINGS ROULEMENTS A AIGUILLES	243 - 254	
<b>8. REPARATURSÄTZE UND BUCHSENSÄTZE</b> REPAIRKITS AND BUSHING-KITS KITS DE REPARATION ET JEUX DES BAGUES	255 - 270	
<b>9. VERSCHIEDENE STARTERTEILE</b> VARIOUS STARTER PARTS DIVERSES PIECES DE DEMARREURS	271 - 288	
<b>INFORMATION</b>		
	Seite - Page	
<b>10. ABMESSUNGEN</b> SURVEY CLASSEMENT PAR ALESAGES	289 - 294	
<b>11. VERGLEICHSLISTE</b> CROSS REFERENCES LISTE DE CORRESPONDANCE ENTRE LES REFERENCES	295 - 344	



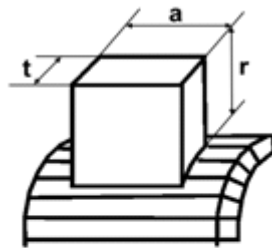
# 1

KOHLEBÜRSTEN

CARBON BRUSHES

BALAIS EN CHARBON















Starter







t x a x r  
10 x 20 x 20mm









	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 12</b> <b>P/N 0 1100 1</b>	Bosch	1 007 014 100 2 007 014 007	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) 6/12 Volt
	4-BS 12		2 004 320 006		
	<b>BSX 33</b> <b>P/N 0 1102 1</b>	Bosch	2 007 014 020 1 007 014 106	9 x 20 x 28,5	0 001 400 016 401 051 BNG 2,5/12 4/12 Volt
	4-BS 33		2 004 320 066		
	<b>BSX 34</b> <b>P/N 0 1103 1</b>	Bosch	2 007 014 021 1 007 014 107	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 Volt
	4-BS 34		2 004 320 068,087		
	<b>BSX 35</b> <b>P/N 0 1104 1</b>	Bosch	2 007 014 013,047 1 007 014 109	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 12 Volt
	4-BS 35		2 004 320 091,098		
	<b>BSX 39</b> <b>P/N 0 1105 1</b>	Bosch	2 007 014 002	9 x 13 x 25,5	0 001 355 009,11,13,15-17,19,20 EJD 1,8/24 24 Volt
	4-BS 39		2 004 320 008		
	<b>BSX 43 (4)</b> <b>P/N 0 1106 1</b>	Bosch	1 007 014 101,123 1 107 014 110	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 0,5/6 0,8/12 EGE 1.0/1.3/12 6/12 Volt
	4-BS 43		1 004 320 059		





	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 44 (4)</b> <b>P/N 0 1107 1</b>	Bosch	2 007 014 006,009,037 9 001 454 386		0 001 356 003 358 005,10,14,17,18,20,21,23,26-28, 033,35,37,38,40,41,46-51,90
	4-BS 44		2 004 320 074,080,085	8 x 22 x 22,5	EJD 3/12 JD(R) 3.2 kw 12 Volt
	<b>BSX 70</b> <b>P/N 0 1121 1</b>	Bosch	2 007 014 018 1 007 014 128		0 001 155 016,017 157 001-4,6,7,13-16,18,21-25,27-30
	4-BS 70		2 004 320 026,098 1 004 320 902	7 x 14 x 16	9 000 141 101,3,4,7,8,11-16,100 334 101-104 DF(L/R) 0.6PS/0.7kw DD(R) 0.5PS/0.6kw DF(L/R) 0.6-0.7kw 12 Volt
	<b>BSX 74</b> <b>P/N 0 1123 1</b>	Bosch	2 007 014 000,024 1 007 014 102,103		0 001 100 003,004 101 004 102 003-006,009
	4-BS 74		2 004 320 043,044	7 x 14 x 17,5	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/R) 0.5kw DD(L/R) 0.6kw DF(R/L) 0.65kw 12 Volt
	<b>BSX 75</b> <b>P/N 0 1124 1</b>	Bosch	2 007 014 026,027,031,034 1 007 014 126,131-133		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
	4-BS 75		1 004 320 076,126,900 2 004 320 172,173,180	7 x 10 x 18	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 12 Volt
	<b>BSX 76</b> <b>P/N 0 1125 1</b>	Bosch	1 007 014 119,121,127,129,134 1 107 014 126		0 001 207 001-3,5-7,9,10,13,15-20 0 001 208 004,6,7,9-12,17-19,23,25,29, 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, 112-115,118,120-128,130,131,133-146, 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 12 Volt
	4-BS 76		1 004 320 071,082,127, 1 004 320 901,903	7 x 16 x 18	










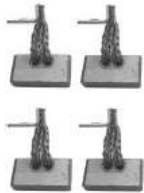


	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 93</b> <b>P/N 0 1130 1</b>	Bosch	2 007 014 016 2 004 320 122,125,127	9 x 16 x 25,5	0 001 363 001,101 JF(R)2.8PS/2.6kw 24 Volt
	<b>BSX 96</b> <b>P/N 0 1132 1</b>	Bosch	2 007 014 044,050,052 2 007 014 056,064 2 004 320 220	10 x 25 x 23	0 001 358 200-2 359 001-4,6-8,10-14,16,18-21,23-41, 043-51,53-69,71-76,81-92,94-102 104-114,117-119,122,124 365 004-008 9 000 143 107,1099-111 JD(R) 3.0/3.7kw,4PS 12 Volt
	<b>BSX 100</b> <b>P/N 0 1136 1</b>	Bosch	2 007 014 049,051,078 2 004 320 217	8 x 25 x 23	0 001 360 002,3,7,8-10,12-19,22-27,29-45, 047-51,54-61,63-65 364 100,108,200-206 416 015 417 060 9 000 143 300-305.501 JD(R) 4.0/4.8/5.2/5.4/6.6kw 24 Volt
	<b>BSX 102</b> <b>P/N 0 1138 1</b>	Bosch	2 007 014 019,053 2 004 320 124,126	9 x 16 x 25,5	0 001 357 002, 362 001-009,011-017,019, 021-025,027-030,0320,33 9 000 143 400,402,404-407,409 JF 2.0/2.4 kw 12 Volt
	<b>BSX 104</b> <b>P/N 0 1140 1</b>	Bosch	2 007 014 038,054,055 1 007 014 038,112-114, 1 007 014 117,118,122 2 007 014 030 1 004 320 082,125,127,154 Replacement for BSX 59 (2) IKA P/N 0 1112 1	7 x 16 x 18	0 001 208 001,009,013,014,024-026,030-033, 058,059,061 0 001 209 014 0 001 211 001-006,010,012,013,016-018, 020-026 0 001 212 002,005,006 0 001 215 001 0 001 217 001 0 001 311 001,007,014,016,020-024,026, 027,028,030,032,038,039,045,048 0 001 313 001,003,005 9 000 042 027 EF/GF(R) 0.85 kw 1 PS 12V EF(L/R) 0.7/0.8 kw 12V EB(L),EEF 0.8 kw 12V
	<b>BSX 134-144</b> <b>P/N 0 1147 1</b>	Bosch	2 007 014 062 2 004 320 101 2 004 320 102 Alternative Brush Set	10 x 25 x 17 10 x 25 x 17 BSX 155 wo. terminal	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 12 Volt














	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
		<b>BSX 135-145</b> <b>P/N 0 1148 1</b>	Bosch		
	2-BS 135 2-BS 145		2 007 014 063  2 004 320 103 2 004 320 104  Replacement for BSX 198-199 IKA P/N 0 1182 1	8 x 25 x 17 8 x 25 x 17	0 001 368 001-088 300-321 300-321 369 011 9 000 143 600-04 JF(R) 4.0 kw 24 Volt
		<b>BSX 137-143</b> <b>P/N 0 1149 1</b>	Bosch		
	2-BS 137 2-BS 143		2 007 014 065,068  2 004 320 294,296 2 004 320 295,297  Alternative Brush Set	9 x 16 x 17 9 x 16 x 17  BSX 139 w/o. terminal	0 001 362 034-36,38-43,45-53,057-64 067,69,70,81-86,88-100,102-105 300-332,600-607,700-705 366 001-00,008-022,024-029, 9 000 143 203,204,408,411,413,414,420 JF(L/R) 1.9-2.7 kw 12 Volt
		<b>BSX 138-142</b> <b>P/N 0 1150 1</b>	Bosch		
	2-BS 138 2-BS 142		2 007 014 035,058,069  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 24 Volt
		<b>BSX 139</b> <b>P/N 0 1151 1</b>	Bosch		
	4-BS 139		2 007 014 040,057 1 007 014 130  2 004 320 038  Alternative Brush Set	9 x 16 x 17  BSX 137-143 with terminal	0 001 305 010 315 002,004,005 GD 1.0/12 Volt GF(L/R) 1.6/1.9 kw
		<b>BSX 140</b> <b>P/N 0 1152 1</b>	Bosch		
	4-BS 140		1 007 014 138  1 004 320 910  Alternative Brush Set	7 x 16 x 15  BSX 152 w/o. clip	0 001 208 516,710 211 514 312 108,9 317 007-13,16-19,22-25 GF(R) 1,7 KW 12 Volt
		<b>BSX 146</b> <b>P/N 0 1154 1</b>	Bosch		
	4-BS 146		1 007 014 137  1 004 320 911  Limited Stock Alternative Brush Set	7 x 10 x 14  BSX 149 w/o. clip	0 001 211 500-505,7,10,11 525-30,38 EF(L/R) 0.8 kw 12 Volt






	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 147</b> <b>P/N 0 1155 1</b>	Bosch Caterpillar	2 007 014 067 3T0844  2 004 320 017	10 x 36 x 27	0 001 420 001-15,24-29 3T4583,6 Caterpillar KE(R) 7,5 KW 24 Volt
	<b>BSX 148</b> <b>P/N 0 1156 1</b>	Bosch	2 007 014 008,048,061, 2 007 014 070,074  2 004 320 285  Alternative Brush Set	12 x 36 x 27  BSX 172-173	0 001 410 029,062 416 001-40,42-77 417 001-74 KB(L/R) 5.4-6.6 kw KB(L/R) 5.4-6.6 kw 24 Volt
	<b>BSX 149</b> <b>P/N 0 1157 1</b>	Bosch	1 007 014 139,141,145  1 004 320 101,102,103  Replacement for BSX 146 with clip IKA P/N 0 1154 1	7 x 10 x 14	0 001 208 501,6-8,10,13-21,26,28 702,5-15,17-19, 211 512,13,15,33,35,36 9 000 333 104,06,09,14,17,20,21 EF(L/R) 5.4-6.6 kw 12 Volt
	<b>BSX 151</b> <b>P/N 0 1158 1</b>	Bosch	1 007 014 143  1 004 320 912 9 003 334 315, 338  Alternative Brush Set	7,5 x 18 x 17/19  BSX 151/0 w/o. clip	0 001 218 001-29,100-178 6 033 AB1 J00 9 000 331 201,203 401,2,5-9,11-15,17-28,30-33 EB(L/R) 1.9/2.2.4 kw EV(L/R) 1.9/2.2/2.4 kw 12 Volt
	<b>BSX 151/0</b> <b>P/N 0 1159 1</b>	Bosch	1 007 014 143 w/o. clip  1 004 320 112  Alternative Brush Set	7,5 x 18 x 17/19  BSX 151 with clip	
	<b>BSX 152</b> <b>P/N 0 1162 1</b>	Bosch	1 007 014 144  1 004 320 106  Alternative Brush Set	7 x 16 x 15  BSX 140 with clip	0 001 317 014,15,20,21 GF(L) 1.7 kw 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 155</b> <b>P/N 0 1164 1</b> 2-BS 155 2-BS 155L	Bosch 2 007 014 071  2 004 320 135,137 2 004 320 136,149 insulated  Alternative Brush Set for	10 x 25 x 15 10 x 25 x 15  BSX 134-144 BSX 163-164 with terminals	0 001 369 001,003 JF(R) 3.1kw 12 Volt
	<b>BSX 157-158</b> <b>P/N 0 1165 1</b> 2-BS 157 2-BS 158	Bosch 1 004 320 135,143,148,166,218 1 004 320 134,142,149,165,219  Brush Holder: 1 004 336 228,233,257,279, 301,359,361,367,393, 394,400,401,402,404, 405,407-410,412,413, 422,425,429-431,437, 438,440,445-448,450, 454-456,458-461,463, 465,466,468,472,719, 720,729-732,734-739, 741,742,777-779,804, 807,808,819,826,829, 835,836,839,840,845, 847-849,860,868,871, 875,877,881,909,908, 909,914,924-927, 931-933,942,945-949, 955,956,958,959,962, 976,981,983,984,988, 990,991,994,996,997, 999	6 x 18 x 13/14,5 6 x 18 x 13/14,5 flex 4.0 mm²	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, 110-15,20,22-29,32,999 115 001,002 124 004,015,020,021 125 001,002,005,006,009,010,012, 013,016-019,021,022, 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 12 Volt
	<b>BSX 157-158K</b> <b>P/N 0 1167 1</b> 2-BS 157K 2-BS 158K	Bosch 1 004 320 171,174,221,222 172,173,220,223  Brush Holder: 1 004 336 396,414,424,452,453, 470,471,722,743,763, 803,824,852,867	6 x 18 x 11/12,5 6 x 18 x 11/12,5 flex 4.0 mm²	0 001 115 002,05-09,11-13,16,17,24 123 001 DW (R/L) 1,7 KW R74-E10 (R/L) 12 Volt
	<b>BSX 159-160</b> <b>P/N 0 1166 1</b> 2-BS 159 2-BS 160	Bosch 1 004 320 133,140,146,167, 224,226 1 004 320 132,141,147,168 225,227  Brush Holder: 1 004 336 300,318,337,343,362, 363,374-376,403,411, 418,419,423,426,436, 442,443,457,464,467, 733,740,747,748,762, 772,806,811,812,816, 823,832,837,850,859, 902-904,907,911-913, 918,919,921-923, 934-936,941,944,950, 954,960,961,965,968, 971,973,974,986,995, 998 F 002 G20 616 F 004 A36 001	5 x 16 x 11,5/13 flex 4.0 mm² 5 x 16 x 11,5/13 flex 4.0 mm²	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 9 000 694 038,048 F 000 AL0 126 F 002 G20 049,052,101,141,449,500,592, 639 F 005 M00 005,006,010,011,013,016,021 F 010 AL0 101,103 DV (L) 1.2 kw 12 Volt DW (R/L) 1,1-1,4 KW 12 Volt R74L 12V(R)




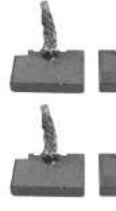

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 163-164</b> <b>P/N 0 1168 1</b>	Bosch	2 007 014 073,076		0 001 367 001,04,05,07-10,12,13,15,17, 018,21-24,26,28,29,30,32-34, 039,42,44-47,49,50,52-54,58, 061,63,65,66,68-82 300-03, 369 002,04-07,12-25, 200,01 9 000 143 416 JF(R) 3.0/3.1/3.6 kw 12 Volt
	2-BS 163 2-BS 164		2 004 320 108,198 2 004 320 109,199  Alternative Brush Set	10 x 25 x 15 10 x 25 x 15  BSX 155 w/o. terminal	
	<b>BSX 165</b> <b>P/N 0 1169 1</b>	Bosch	9 003 337 001		0 001 219 001-017,112 9 000 331 201,203 332 401,402,405,406 EV (R/L) 2,5 KW 24 Volt
	4-BS 165		9 003 334 321	7,5 x 18 x 17/19	
	<b>BSX 166</b> <b>P/N 0 1173 1</b>	Bosch	1 004 320 136/F 000 AL1 658 mono brush	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 9 000 695 004-009 F 000 AL0 300-302,400,401 F 010 AL0 301 DA (L/R) 0,9 KW DM (R/L) 0,8-1,0 KW 12 Volt
	4-BS 166		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 013,054,055,061,326, 483,532,917-919 AL2 034-036,109 F 004 A36 004-006 A95 002		
	<b>BSX 170-171</b> <b>P/N 0 1171 1</b>	Bosch	2 007 014 077, 085		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 24 Volt
	2-BS 170 2-BS 171		2 004 320 196, 165 2 004 320 197, 166  Brush Holder: 2 004 336 066,085-087	10 x 25 x 15 10 x 25 x 15	
	<b>BSX 172-173</b> <b>P/N 0 1172 1</b>	Bosch	2 007 014 079		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 KB(R) 3.6/5.4/5.5/6.6 kw 24 Volt
	2-BS 172 2-BS 173		2 004 320 244 2 004 320 245  Alternative Brush Set	12 x 36 x 19 12 x 36 x 19  BSX 148	





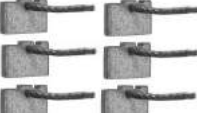
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 172-173-174</b> <b>P/N 0 1194 1</b> Bosch Volvo	2 007 014 084 3093273		0 001 417 075,076 1547049 1556955 3095060 3964839 KB (R) 6,6 KW 24 Volt
	2-BS 172 1-BS 173 1-BS 174	2 004 320 244 2 004 320 245 2 004 320 249	12 x 36 x 19 12 x 36 x 19 12 x 36 x 21	
	<b>BSX 175-176</b> <b>P/N 0 1175 1</b> Bosch	1 004 320 154,156,169,214 1 004 320 155,157,170,215  Brush Holder: 1 004 336 201,219,239,309, 314,320,321,326, 332,368,382,391, 392,397,415-417, 420,421,427,428, 432-435,444,451, 462,469,801,809, 810,813,814,820, 821,827,828,830, 831,833,841,842, 851,853,937,938, 951,957,964,970, 975,980,985,987, 989 F 004 A36 002,003	5 x 12 x 10,9/11,6 5 x 12 x 10,9/11,6 flex 2.5 mm <sup>2</sup>	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 9 000 694 007,017,022,029,035,041,044,047, 051-053 F 002 G20 318 F 004 A94 009,010 DB/DW (L) 1,1 KW DB/DW (R) 0,9-1,2 KW R74-M35 12V(R) 12 Volt
	2-BS 175 2-BS 176			
	<b>BSX 177</b> <b>P/N 0 1174 1</b> Bosch	2 007 014 082 9 001 453 644		0 001 371 004-010,012-20 9 000 453 064,65,68 T 144 GA JE(R) 6,0 /6.7 kw 24 Volt
	4-BS 177	2 004 320 271	9 x 36 x 18	
		Brush Holder 2 004 336 077,078		
	<b>BSX 178-179</b> <b>P/N 0 1176 1</b> Bosch	2 007 014 080		0 001 418 001-003,009,012,014,015,017 KB(R) 3,6 KW 12 Volt MB Unimog
	2-BS 178 2-BS 179	2 004 320 240 2 004 320 241	12 x 36 x 19 12 x 36 x 19	
	<b>BSX 184-185</b> <b>P/N 0 1088 1</b> Bosch	1 004 320 163,200 1 004 320 164,201  Brush Holder: 1 004 336 502,505,510,519,525, 526,534,542,547,580, 583,593,600,607,608, 630,632,636,655,702, 703,711,718,723,789, 791,866,887,896	4,6 x 12 x 10,5/11,2 4,6 x 12 x 10,5/11,2 flex 2.5 mm <sup>2</sup>	0 001 107 401-415,417,418,421-443, 446-453,456,460-462,474, 478,479,508,509,514, 529-531,534,535 121 402,403,408-413,422,423, 427-430,435,436,443,444 9 001 107 434 F 002 G20 485,594,669 F 004 A94 000,001,401,410,434,441,449 DW(R/L) 1,1 KW 12 Volt R70-M10,15,25,35,45(R) RF70-M15,25 (R/L)
	2-BS 184 2-BS 185			

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 186</b>				
	<b>P/N 0 1179 1</b>	Bosch	2 007 014 014,017		0 001 510 001-003,005,008-010,017-028, 030-036,038-041
	4-BS 186		2 004 320 176,178	12 x 40 x 27	512 001,002 QB / QF(R) 9.0 kw 24 Volt
	<b>BSX 186-187</b>				
	<b>P/N 0 1180 1</b>	Bosch	2 007 014 083		0 001 510 029,037
	3-BS 186		2 004 320 176	12 x 40 x 27	QB(R) 9,0 KW 24 Volt
	1-BS 187		2 004 320 177	12 x 40 x 27	
					
	<b>BSX 190-191</b>				
	<b>P/N 0 1183 1</b>	Bosch			0 001 231 001-14,16-19,23, 024,26-30,32-36,45
	2-BS 190		9 003 334 359, 6 033 AD4 030	6,4 x 25 x 15.4/16.4	EV(R) 4.0 kw
	2-BS 191		9 003 334 360, 6 033 AD4 029	6,4 x 25 x 15.4/16.4	HE95-M 24Volt
<p>Brush Holder: 6 033 AD0 130,156,380,383,471 6 033 AD4 026,054,161,180 9 003 334 363</p> <p>Stator Frame: 6 033 AD0 128,151,152,189,473 AD4 064,092-094,098,099 107-110,177</p>					
	<b>BSX 192-193</b>				
	<b>P/N 0 1184 1</b>	Bosch			0 001 218 602,20,703,10-12,15,16,19,22, 725,28,30,35-38,40-42,54,57-59
	2-BS 192		6 033 AD0 011	6.2 x 22 x 13 / 15	763-68,70-72,74,76,77
	2-BS 193		6 033 AD0 012	6.2 x 22 x 13 / 15	805,08,09,12,14-22
<p>0 001 223 001-14,16,18,19,21,22,56 500-507</p> <p>EV(L/R) 2,3 kw EV(R) 2,6 kw 12 Volt</p>					
	<p>Brush Holder: 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</p> <p>Stator Frame: 6 033 AD0 007,162-164,223, 225,311,412 AD1 108-110,245,248, 249,251,254,256,260, 301,313,327,351,381 313,327,351,381 AD2 002</p>				
					
	<b>BSX 194-195</b>				
	<b>P/N 0 1186 1</b>	Bosch			0 001 230 001,07-10,14,18,20-24,26,27
	2-BS 194		9 003 334 361,6 033 AD3 196	7,5 x 27 x 15,4/16,4	EV(R) 3.0 kw
	2-BS 195		9 003 334 362,6 033 AD3 197	7,5 x 27 x 15,4/16,4	HE95-M 12V(R) 12 Volt
<p>Brush Holder: 6 033 AD0 166,370,374, AD3 022,042,058 9 003 334 368</p> <p>Stator Frame: 6 033 AD0 167,170,244</p>					

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 196</b> <b>P/N 0 1187 1</b> Bosch	1 004 320 158 mono brush  Brush Holder: 1 004 336 822,838,854,856,861 F 000 AL1 921, F 000 AL2 050-052	5 x 8.5 x 10.5/11.5	0 001 116 001,003-006,008,009 DM(R/L) 0.7 kw 12 Volt
	<b>BSX 197</b> <b>P/N 0 1170 1</b> Bosch	2 007 014 072  2 004 320 270  Brush Holder: 2 004 336 079	9 x 36 x 18	0 001 370 001-004 9 000 453 029,065-067 JE(R) 5.0 kw 12 Volt
	<b>BSX 200-201</b> <b>P/N 0 1188 1</b> Bosch	2-BS 200 2-BS 201  1 004 320 175,210 1 004 320 176,211  Brush Holder: 1 004 336 272,410,503,507, 508,514,516-518, 524,532,538,548, 549-551,555,556, 559,563,569-571, 573,575,578,597, 654,701,709,714, 725,726,739, 750-752,756,757, 774,780,781,783, 787,800,872,877, 884,885,891, 893-895 1 007 010 124,135 Kit F 002 G20 430,522,743	6 x 18 x 12.7/14.2 6 x 18 x 12.7/14.2 flex 2.5 mm <sup>2</sup>	0 001 109 057-60,68,202-205,250, 302-305,340,341,389,390 110 071,072,086,087,118,119 124 001-008,011-014,022-025 125 003,004,007,008,011 6 004 AA3 014 F 000 AL0 115 F 002 G20 292,359,385,430,516,550,618, 622,672,795,806 F 004 A94 002 DB/DW(L) 1.7-2.0 kW DB/DW(R) 1.7/2.2 kW R78-M10,15,28,45,55 12V(R) RF78-L30 12V(L)  VW overload protection starter
	<b>BSX 202-203</b> <b>P/N 0 1178 1</b> Bosch	2-BS 202 2-BS 203  6 033 AD0 263 6 033 AD0 264  Brush Holder: 2 004 336 091-093,110-118, 125-128 6 033 AD0 384 AD6 098  fits IKA P/N 7 7245 1 fits IKA P/N 7 7501 1	9 x 31.82 x 17.5/23 9 x 31.82 x 17.5/23 flex 10 mm <sup>2</sup>  w/o. thermo protection w. thermo protection	0 001 330 004,007,008,011-014, 016-018,020,501,502 0 001 340 501-505 0 001 33E 101 0 001 33F 102 0 001 34B B01,H01 0 001 34F 801,802 0 399 B50 306,307 GVB(R) 24V 6.0 kw HEF109-M,MP 24V (R) HEP109-MP 24V (R) MB 006 151 00 01 Scania 1447912 Volvo 3595446, 3827444 JW, Liebherr, MTU
	<b>BSX 204-205</b> <b>P/N 0 1197 1</b> Bosch	2-BS 204 2-BS 205  1 004 320 177,212 1 004 320 178,213  Brush Holder: 1 004 336 506,592,637,799, 879	4.45x10x12.0/12.7 4.45x10x12.0/12.7 flex 2.5 mm <sup>2</sup>	0 001 106 403-407,409,410 120 400-411 F 004 A94 403 DB(L) 0.9 kw RF70-S25 12V(L) R70-S10 12V(L/R) Audi, SEAT, Skoda, VW



IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 210-211</b> <b>P/N 0 1091 1</b> Bosch	1 004 320 179,202,314,335 1 004 320 180,203,313,334  Brush Holder: 1 004 336 509,527,530,531, 564,565,576,595, 602,615,631,633, 656,657,676,704, 707,708,768,769, 785,886 1 004 338 102,117,133,144	4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.5 mm <sup>2</sup>	0 001 108 400-406,408-412,420,421,430, 431,437,438,450,451,456,457 0 001 170 400,401 0 001 172 404,405 0 001 177 000-013 F 002 G20 670 F 004 A94 004 DW(R)1.4 kw R70-L15,25,35(R) RF70-L25(L) 12 Volt CF70-M 12V(L) SC70-M,-S 12V(R)
	2-BS 210 2-BS 211			
	<b>BSX 210-211-249-250</b> <b>P/N 0 1208 1</b> Bosch	1 004 320 202,314,335 1 004 320 203,313,334  1 004 320 265,316 1 004 320 266,315  Brush Holder: 1 004 337 022,140,150	4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.5 mm <sup>2</sup>  4.45x16x11.5/12.2 4.45x16x11.5/12.2 flex 2.0 mm <sup>2</sup>	0 001 108 445,446,466,467 R70-L15,25 12V (R) VW 079 911 021 D,-DX,-G Porsche 9586 041 110 00  VW overload protection start/stop starters
	1-BS 210 1-BS 211  1-BS 249 1-BS 250			
	<b>BSX 212-213</b> <b>P/N 0 1092 1</b> Bosch	1 004 320 183,204,206 1 004 320 184,205,207  Brush Holder: 1 004 336 511,512,521,528, 533,536,552, 566-568,572,579, 638,658,712,727, 753,770,771,773, 782,788,888,889, 898 F 000 AL1 934	5x16x11.5/13 5x16x11.5/13 flex 2.5 mm <sup>2</sup>	0 001 108 157,190,196,200-204,206-214, 217,218,220-225,228-231, 234-242 0 001 108 460-463 F 000 AL0 110 F 002 G20 326,348,546,582,593,820 F 004 A94 007 F 026 T02 002 DW(R) 1.4-1.8 kw R74-L40,45,-60,-75,-100 12V(R) RF74-L20 12V(R)
	2-BS 212 2-BS 213			
	<b>BSX 216-217</b> <b>P/N 0 1094 1</b> Bosch	6 033 AD5 177,314 6 033 AD5 178,315  Brush Holder: 6 033 AD4 016,194, 212 6 033 AD5 128,179, 316,318,320  Stator Frame: 6 033 AD4 107,108,166,177,199 6 033 AD5 154  fits IKA P/N 7 7241 1	5.35x27.77x17.2/18.2 5.35x27.77x17.2/18.2	0 001 231 004-007,009,012,013,016,023, 026-030,033-036,038-041,045,046 119,146 241 001,003,005-009,012,014,015,016, 018-021,023,024,119 F 002 G20 786 EV(R) 24V 4.0 kw EVB(R) 24V 5.5 kw HEF95-L 24V(R) 5,5kw HE95-M 24V(R) 4.0 kw IVECO Eurocargo MB Atego Nissan, Scania
	2-BS 216 2-BS 217			
	<b>BSX 218-219</b> <b>P/N 0 1095 1</b> Bosch	1 004 320 230 1 004 320 231  Brush Holder: 1 004 336 504,529,561,562, 577,587,589,765, 766,786,795,797, 978	5x12x10.9/11.6 5x12x10.9/11.6 flex 2.0 mm <sup>2</sup>	0 001 107 103-112 121 024-035 DB/DW(L/R) 1.2 kw R74-M20 12V(L) R74-M40,-M60 12V(R) RF74-M40 12V(R) RF74-M50 12V(L) overload protection starters
	2-BS 218 2-BS 219			



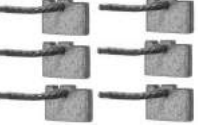

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 220-221</b> <b>P/N 0 1096 1</b> Bosch	1 004 320 208,232,400 1 004 320 209,233,401  Brush Holder: 1 004 336 537,574,581,582, 586,590,594,596, 599,601,603,605, 611,616-629,639, 666,687,688,713, 784,790,794,878 1 004 337 003,004,139 F 002 G20 653	6x18x14.2/15.7 6x18x14.2/15.7 flex 4.0 mm <sup>2</sup>	0 001 109 064-067,069,070,205,258-276, 280,281,284,285,300-307,310, 310,311,313,319-322,324,325, 328,329,330-337,342,343-345, 355-362,364,369-371,375-379, 387,388,391,392-404,407-410, 413,414,417,421,422 110 130,131,133,134,136-139 124 022,027 125 025,031,032,035,036,039,040, 042,043,046-049,051-056, 511-514,517-522,600,601, 605-610,621,622 0 399 501 002-007 F 000 AL0 111,154,159,160 F 002 G20 524,640,852 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 12V(R) RF78-L30,L35 12V(L) RF78-M28,M45,SW28 12V(R)
	2-BS 220 2-BS 221			
	<b>BSX 222-223</b> <b>P/N 0 1220 1</b> Bosch	2 004 320 264,266 2 004 320 265,267  Brush Holder: 2 004 336 090,094 2 004 336 096,097  fits IKA P/N 7 7533 1  Replacement for BSX 239-240 IKA P/N 0 1220 1	6,35x27.77x17.2/18/19 HX-95L 12V(L) 6,35x27.77x17.2/18/19 HX-95M 12V(L) flex 10.0 mm <sup>2</sup> flex length 35 mm	0 001 260 001-004,025,026 0 001 262 001-008,019-022,029-034  John Deere RE 52 637 5 RE 52 740 0 Serie 6.. >2010
	2-BS 222 2-BS 223			
	<b>BSX 224-225</b> <b>P/N 0 1219 1</b> Bosch	6 033 AD3 260 6 033 AD3 261  Brush Holder: 6 033 AD3 267,290-292 6 033 AD3 327-329  fits IKA P/N 7 7243 1	6,35x27.77x17.2/18.2 6,35x27.77x17.2/18.2 flex 6.0 mm <sup>2</sup> flex length 25 mm	0 001 230 001-010,012-016,018, 020-024,026-030 F 002 G20 785 EV(R) 3.0 12 Volt 3.0kw HEF95-M 12 V(R)
	2-BS 224 2-BS 225			
	<b>BSX 228 (4)</b> <b>P/N 0 1097 1</b> Bosch	1 004 320 244,279,281,321  Brush Holder: 1 004 337 005,041	5,25x18x12.7x14.2 flex 4.0 mm <sup>2</sup>	0 001 139 021,022,037,038 S78-M 12V(R) DB 001 151 72 14 Porsche 948 604 210 01 948 604 214 00  Porsche Panamera 3.0-4.8 l start/stop starters
	4-BS 228			
	<b>BSX 228 (6)</b> <b>P/N 0 1217 1</b> Bosch	1 004 320 244,279,281,321  Brush Holder: 1 004 336 612,649 1 004 337 002,145 MB 001 151 71 14	5,25x18x12.7/14.2 flex 4.0 mm <sup>2</sup>	0 001 139 001,002,005,006,011-016, 025,026,029,030,047,048, 067,068,071,072,083,084, 0 399 703 044,045 F 002 G20 862 F 002 G70 013 S78-M 12V (R) S78-M55 12V (R) BMW 12 41 7 798 006 12 41 7 812 034,070 12 41 7 823 700,701 Chrysler 04801871AB 56029645AA Ferrari 243595,248743,297969 FIAT 518 102 67 MB 000 906 23 00,23 02 646 906 00 00
	6-BS 228			


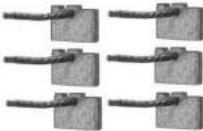


IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				946 906 00 00, 031 00 Porsche 948 604 210 00 start stop starters Alfa Giulietta 2.0 JTDM >2010 FIAT Doblo,-Cargo 2.0 Multijet Ducato 115 Multijet Jeep Wrangler 2.8 CRD MB Sprinter 2.1 CDI

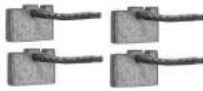


<b>BSX 228-243 (4)</b>				
	<b>P/N 0 1027 1</b> Bosch			0 001 139 041,042,073,074 S78-M 12V(R) VW 059 911 021 G,-GX,-K overload protection start/stop starters Audi 3.0TDI >10/2011
2-BS 228		1 004 320 244,279,281,321	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>	
2-BS 243		1 004 320 261,278,280,320	5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	
	Brush Holder:	1 004 337 019		



<b>BSX 228-243 (6)</b>				
	<b>P/N 0 1028 1</b> Bosch			0 001 139 017-020,023,024,031,032,043, 044,065,066,075,076,085,086 149 400-409,412-420 S/SL78-M 12V(R) Chrysler 56029626AA, 56029667AA FIAT 500 457 26 533013830,9678690180 Ford CC1T-11000-DA,-DB,-DC CC1T-11000-EA,-EB MB 642 906 08 00,-09 00,-10 00 642 926 10 00 651 906 11 00,-12 00,-24 00 651 906 28 00,-43 00 PSA 9678 690 180 VW 059 911 021 F,-FX 03L 911 021 E,-G,-GX overload protection start/stop starters
3-BS 228		1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>	
3-BS 243		1 004 320 261	5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	
	Brush Holder:	1 004 336 697,699 1 004 337 017,023,040,045, 046,058,068,149, 158,167-169, 182,185 MB 001 151 73 14 001 151 77 14		







<b>BSX 229-230</b>				
	<b>P/N 0 1216 1</b> Bosch			0 001 138 003-006,011,012,029,030 037-040,043,044,047-050, 053,054,063,064 0 001 142 001,002 0 001 152 401 0 399 703 051,052 F 002 G20 859 S74-L 25 12V(R) 1.4/1.7 kw SF74-L 12V(L) start/stop starters BMW 12 41 7 552 697 12 41 7 567 788 12 41 7 589 354,355 12 41 7 610 342,349 12 41 7 616 689,698 12 41 7 617 216 12 41 7 626 000,546,547 12 41 7 631 024,025,054 12 41 7 802 945 12 41 7 803 514 12 41 7 812 070 12 41 7 823 314,315 FIAT 518 103 07, 552 268 44 Ford BS51-1000-BA MB 270 906 00 00, 04 00 Opel 55570445, 1202203 Suzuki 31100-86L00 Toyota 28100-0X040 VW 02T 911 024 J,-JX
2-BS 229		1 004 320 245,282	4.45x16x12.3/13.8	
2-BS 230		1 004 320 246,283	4.45x16x12.3/13.8 flex 2.5mm <sup>2</sup>	
	Brush Holder:	1 004 336 609,614,645,648 1 004 337 012,053,063, 153,154 FIAT 77365287 Suzuki 31173-86L00		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>BSX 231-232-215</b> <b>P/N 0 1214 1</b> Bosch				
	1-BS 215	1 004 320 229,235	6.0x18x11.0/12.5 flex 2.5mm <sup>2</sup>	0 001 108 203 0 001 115 005,006,008,015,020-023,025, 031,032,035,039-042,045-054, 056,057,068-085,088,089,092, 093,096-101,103-111
	1-BS 231	1 004 320 249	6.0x18x11.0/12.5	123 002,003,012-021,026-029, 036-039,044,045
	2-BS 232	1 004 320 250	6.0x18x11.0/12.5 flex 4.0mm <sup>2</sup>	DB/DW (R) 1.7 kw R74-E20 12V(L), R74-L10 12V(L) R74-E25,E35 12V(R) RF74-E25,E45 12V(L) overload protection starters FIAT 518 329 49, 558 329 49 MB 006 151 74 01, 75 01 636 151 02 01 Porsche 956 604 107 00 VW 012 911 023 C,-CX,-E,-F 02E 911 023 H,-HX,-L,-LX 02M 911 023 P,-PX 02M 911 024,-A,-AX,-X 02N 911 023 N 02T 911 024,-X 02Z 611 023 F,-FX,-N,-NX 03L 911 021,-C,-CX,-F,-FX 03L 911 021 H,-HX,-X 03R 911 023 A,-B 07C 911 023 E,-EX 0AH 911 023 B,-BX
		Brush Holder: 1 004 336 395,513,515,520, 522,523,535,553, 554,557,558,560, 568,584,585,588, 591,598,604,606, 640,641,650,653, 661-664,669,672, 677,678,700,721, 724,754,755,758, 759,761,792,793, 796,798,890-892, 897,899 FIAT 773 654 51 MB 000 151 63 14 VW 012 911 209 A 057 911 209 H 02M 911 209,-A 03G 911 209 D		
		Replacement for BSX 214-215 IKA P/N 0 1093 1		
<b>BSX 233</b> <b>0 1215 1</b> Bosch				
	6-BS 233	1 004 320 251	4.45x14x12.3/13.8	S74-M 12V(R) 773 651 21 FIAT start/stop starters
		replaced by BSX 236	P/N 0 1211 1	overload protection
<b>BSX 234-235</b> <b>P/N 0 1212 1</b> Bosch				
	3-BS 234	1004 320 254	5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	0 001 145 001,002 SF78-M 12V(L) 2.2 kw VW 02Z 911 023 S,-SX 2X0 911 023
	3-BS 235	1004 320 253	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>	overload protection start/stop starters Audi,VW
		Brush Holder: 1 004 336 681		
<b>BSX 235-228-243</b> <b>P/N 0 1023 1</b> Bosch				
	2-BS 235	1 004 320 253	5.25x18x12.7/14.2	0 001 139 045,046,049,050,053,054 S78-M 12V(R) 2.0 kw overload protection start/stop starters
	1-BS 228	1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm <sup>2</sup>	VW 059 911 021 H,-HX,-J,-JX 07L 911 021,-X
	1-BS 243	1 004 320 261	5.25x18x12.7/14.2 flex 2.5mm <sup>2</sup>	
		Brush Holder: 1 004 337 034,047 1 004 337 050,144		







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>BSX 236</b> <b>P/N 0 1211 1</b> Bosch				
	6-BS 236	1 004 320 251,256,284,317, 1 004 320 326 Brush-Holder 1 004 336 689,695,698 1 004 337 015,016,020,021, 043,044,060,066, 152,156,165 MB 001 151 66 14 001 151 76 14 FIAT 773 651 21  Replacement for BSX 233 IKA P/N 0 1215 1	4.45x14.0x12.3/13.8 flex 2.0mm <sup>2</sup>	0 001 137 001-004,011,012 0 001 138 001,002,009,010,013-020, 043-046,051,052, 057-062,067-072  0 001 147 424,425 0 001 152 410,411 S74-L,-M,-S 12V(R) SFL74-L 12V (R) SL74-L 12V(R) overload protection start/stop starters BMW 12 41 7 550 975, 12 41 7 567 788 12 41 7 589 350,352-356 12 41 7 626 000 12 41 7 638 192-194,196 12 41 8 621 576 FIAT 518 047 44, 518 103 08 518 193 80, 518 739 26 Ford BS51-11000-AA, 1715776 Hyundai/KIA 36100-2B300,-2B301 MB 006 151 72 01 270 906 07 00 271 906 02 00 276 906 02 00 Opel 55572440 Renault 23 30 061 24R Suzuki 31100-62MA0 VW 06E 911 021 D,-DX,-F,-FX 06H 911 021,-D,-DX,-X
<b>BSX 238</b> <b>P/N 0 1209 1</b> Bosch				
	6-BS 238	1 004 320 257,318,338  Brush Holder: 1 004 337 049,069 1 004 337 171,175	4.45 x 19.5 x 12.3/13.8 flex 2.5 mm <sup>2</sup>	0 001 148 031,032 0 001 153 500,501,508-511 SL/SFL74-E+ 12V(L) BMW 12 41 8 574 102 MB 645 906 02 00, 03 00 VW 059 911 021 L overload protection start/stop starters
<b>BSX 241-242</b> <b>P/N 0 1033 1</b> Bosch				
	2-BS 241 2-BS 242	2 004 320 268,272 2 004 320 269,273  Brush-Holder 2 004 336 095,100 0 399 D57 009  fits IKA P/N 7 7507 1  Replacement for BSX 206-207 BSX 206-207 IKA P/N 0 1089 1	6,35x27.77x18/19 6,35x27.77x18/19  flex 6.0 mm <sup>2</sup> length 35mm	0 001 241 001 0 001 261 001-008,011-013,016-018, 020-029,031,033,034,036, 037,044-047, 0 001 263 001-004,007-020,047-054 501 0 399 504 001-003,005-007,011-013, 016,028,029 HEF95-L5.5 kw HX95-M 24V(R) HXF95-L,M 24V(R) overload protection starters DAF 1826120,1826121,1843852, 1854008,1876369,1886891 1956090 IVECO 504385577 MB 006 151 22 01 Scania 1447911,1796026,2031368, 2148650
<b>BSX 244</b> <b>P/N 0 1024 1</b> Bosch				
	4-BS 244	1 004 320 262,344  Brush Holder: 1 004 337 006,161 VW 03G 911 209 E	4.45x19.5x12.3/13.8 flex 3.0mm <sup>2</sup>	0 001 153 001,002,005-010,015,016 SF74-E+ 12V(L) VW 02E 911 024 C,-CX 02M 911 024 C,-CX 02Z 911 024 H,-HX 07M 911 024 A 0AM 911 023 G,-GX start/stop starters VW Family





IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 245</b> <b>P/N 0 1022 1</b>	Bosch	4.45x19.5x12.3/13.8	0 001 148 003,004,009,010,015,016, 019-026,029,030,033,034 153 013,014,019-022 S/SF74-E+ 12V(R) BMW 12 41 7 838 020 12 41 7 843 526,530 12 41 8 506 657 12 41 8 509 198 12 41 8 515 795,900 12 41 8 570 238,239 Opel 555 720 65 1202216 VW 2H0 911 023 H,-K,-KX 3R0 911 023 C,-CX start/stop starters
	4-BS 245	1 004 320 264 flex 3.0 mm <sup>2</sup>  Brush Holder 1 004 337 013,029,042 1 004 337 146,147,155		
	<b>BSX 247</b> <b>P/N 0 1017 1</b>	Bosch	4.45x14.0x12.3/13.8 flex 2.0mm <sup>2</sup>	0 001 136 002,003, 005-008 0 001 137 005,006 0 001 138 055,056 0 001 142 003-006 0 001 147 400-409,420-423,430-433 0 001 152 400,401 S74-L,-M,-S 12V(R) SL74-L 12V(R) SF74-L 12V(L) SFL74-L 12V(L) overload protection start/stop starters MB 270 906 00 00,-04 00 270 906 07 00 276 906 13 00,-23 00 276 906 24 00,-43 00,-44 00 278 906 04 00 - 07 00 Hyundai/KIA 36100-2B302 Nissan 23300-1073R Renault 23 30 010 73R 23 30 059 51R VW 0AM 911 023 F,-FX 02Z 911 023 R,-RX
	6-BS 247	1 004 320 255,325  Brush Holder: 1 004 336 682 1 004 337 026,062,063,070, 072,073,160		
	<b>BSX 253</b> <b>P/N 0 1153 1</b>	Bosch	4.45x14.0x11.5/13.0 flex 2.5 mm <sup>2</sup>	0 001 170 400-403,406,407,410,411 600,601,604,605,624,625, 628,629,640,641 0 001 172 400,401,604,605 0 001 180 602,603 SC70-S 12V(R) SCL70-M,-S 12V(R) SCL70-MX 12V(R) start/stop starters BMW Chrysler 56029 640AA FIAT 519 161 68-70 519 384 39 519 756 77 552 545 83 Ford FS51-11000-AA,-BA GV6T-11000-AA GV6Z-11002-A 1881471 Nissan 23300-0379R 23300-7224R Opel 5559 1492 Renault 23 30 003 79R 23 30 048 68R 23 30 072 24R
	6-BS 253	1 004 320 308,327,328,337  Brush Holder: 1 004 338 125,136,141, 149,156,200  fits IKA P/N 7 7552 1		








IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>BSX 256(4)</b> <b>P/N 0 1144 1</b>	Bosch 1 004 320 331,333 Brush Holder: 1 004 338 140,178 fits IKA P/N 7 7550 1	4.45x17.0x11.0/12.4 flex 2.5 mm <sup>2</sup>	0 001 179 510-519,522,523,530,531 SCF70-SX 12V(L) SCL70-L 12V(R) start/stop starters VW 02E 911 024 B,-BX 02M 911 021 G,-GX 02M 911 024 Q,-QX 02Z 911 024 Q,-QX 0AH 911 023 J 0AM 911 023 N,-NX,-R,-RX
	4-BS 256			
	<b>BSX 256(6)</b> <b>P/N 0 1139 1</b>	Bosch 1 004 320 331,332,333 Brush Holder: 1 004 338 142,143,145 FIAT 773 677 23 Suzuki 31173-55PA0 fits IKA P/N 7 7572 1	4.45x17.0x11.0/12.4 flex 2.5 mm <sup>2</sup>	0 001 174 400-407 0 001 174 600,601,604,605 SC70-L 12V(R) FIAT 519 161 71 PSA 96 756 60 680 Suzuki 31100-55PA0 000 31100-T55PA0 000 VW 04L 911 021, -B,-BX,-X 06M 911 021, -X
	6-BS 256			

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 10-11</b> <b>P/N 0 1955 1</b>	Denso			128000-0490,-2450,-2470,-2560,-2740, -3361,-4220,-4250,-4682,-4683, -4910,-5370,-5510,-5620,-5720, -5730 OSGR-Starter 3.0/5.5 kW 24 Volt
	2-JAS 10 2-JAS 11		028520-1090 028530-1100	10 x 30 x 20 10 x 30 x 20	
		Isuzu	1-8116-048-0 1-8116-049-0		
	<b>JASX 14</b> <b>P/N 0 1940 1</b>	Denso			02800-0197,-1010,-01011,-01970-01973, 02800-1975,1976 12 Volt
	4-JAS 14		28531-0110	7 x 12 x 16	
		Daihatsu	28142-21010		
		Isuzu	9-8211-1649-0		
		Mazda	0180-23-756		
		Mitsubishi	K437 450-0 MD604067		
		Subaru	89207-8602/49206/7202		
		Suzuki	31131-75011		
		Toyota	28142-21010		
	<b>JASX 18-19</b> <b>P/N 0 1996 1</b>	Denso			028000-7560 128000-7010-7120-7122,-7130,-7390, -7710-7112,-7714,-8310 OSGR- Starter 12 Volt
	2-JAS 18 2-JAS 19			7 x 13 x 15,5 7 x 13 x 15,5	
	<b>JASX 22</b> <b>P/N 0 1945 1</b>	Denso			12 Volt
	4-JAS 22		28531-0300	7 x 12 x 19	
		Daihatsu	28142-10011		
		Lucas	TAJ 400		
		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		
	<b>JASX 35</b> <b>P/N 0 1935 1</b>	Denso			028000-3290, -3291, -3292, -3650, -5040, -5960 12 Volt
	4-JAS 35		28530-0480	9 x 30 x 26	
		J. Deere	R50927		
		Mitsubishi	MD604256/MF022002		
		Toyota	28142-47021/-76010/-77040		
	<b>JASX 39</b> <b>P/N 0 1938 1</b>	Denso			128000-2520,-2610,-2611,-2621,-2631, -2800,-2520,-2980,-3090 -4030,-4031,-4032,-4060,4061, -4530,-4531,-4532,-7110,-7480, -7580,-7581,-7720 228000-2640,-4640,-4641,-4890,-4891, -8350,-8490,-9580 428000-0950,-1570 12 Volt
	4-JAS 39		028531-5050,-6660 028099-5450	6,5 x 8 x 10	
		Daihatsu	28142-87504-000		
		Honda	31211-PH9-004		
		Isuzu	8-94455-168-0 8-94455-167-0		
		Mitsubishi	MD604643		
		Subaru	209705-5108		
		Suzuki	31131-51A10		
		Toyota	28142-10029		
		Alternative Brush Set		JASX 39 C with clip	



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 39 C</b> <b>P/N 0 1939 1</b>	Denso			12 Volt
	4-JAS 39 C	Mazda	028531-5050 with Clip 028099-5450	6,5 x 8 x 10	
			Alternative Brush Set	JASX 39 w/o. clip	
	<b>JASX 52</b> <b>P/N 0 1962 1</b>	Denso			128000-2680,-2682,-5210,-5211,-5680, -5681,-5682,-6210,-6211,-6212 281001 6010,-6040,-6041,-6070, -6071,-6073 281008721300 12 Volt
	4-JAS 52	Daihatsu Isuzu Mazda Suzuki Toyota	028099-6180 28142-87204-000 8-94377-262-0 8-94367-795-0 028099-6180 31131-60B50 28142-70020	6,5 x 13 x 14	
	<b>JASX 53</b> <b>P/N 0 1963 1</b>	Denso			028000-8460,-9181,-9182,-9202, -9220,-9221,-9230 31100-79660,-85010,-85020,-85021 12 Volt
	2-JAS53	Daihatsu Honda Isuzu Subaru Suzuki	BH 028510-0760 28140-87703-000 31231-679-014 5-81119-004-0 8-94135-730-0 49243-6002 31131-79010 31173-79010	7,5 x 13 x 18	
	<b>JASX 62</b> <b>P/N 0 1965 1</b>	Denso			028000-2000,-2151,-2240,-2260,-2261, -2262,-2263,-2360,-2361 12 Volt
	4-JAS 62	Daihatsu Honda Mazda Toyota	28531-0350 28142-25020 31211-679-004 1345-24-753 28142-25020	7 x 12 x 19	
	<b>JASX 63</b> <b>P/N 0 1966 1</b>	Denso			028000-2660,-2661,-2665,-2680,-2681, -2682,-4500,-5410,-6422 12 Volt
	4-JAS 63	Daihatsu Honda Toyota	28531-0380 28531-0480/0490 28142-25011/87502 31211-657-006/31231-679-004 28142-25011	7 x 12 x 16	
	<b>JASX 77-78</b> <b>P/N 0 1977 1</b>	Denso			028000-3920,-4570,-7370,-7660 128000-0020,-6400 12 Volt
	2-JAS 77 2-JAS 78	Daihatsu Isuzu Komatsu Mazda Toyota	028099-3550 028531-0840 flex w/o. insulation 28140-54070-000 28140-64040-000 28140-87706-000 5-81116-040-0 5-81118-021-0 8-94167-430-0 028510-0640 RE01-24-750 28140-54070 28140-64040	8 x 25 x 15 8 x 25 x 15	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 79</b> <b>P/N 0 1997 1</b>	Denso	Nikko Denki		228000-2120,-3840,-3981, -4961,-5860,-7220, -7710,-7800,-8150, 428000-0250,-0260,-0500 -1280,-2730 12 Volt
	4-JAS 79	Isuzu	0-23740-0200, 0210 8-94178-053-0, 054-0 8-94437-920-0, 921-0	7 x 25 x 15,5 7 x 25 x 15,5	
	<b>JASX 84</b> <b>P/N 0 1984 1</b>	Denso		7 x 16 x 14 flex length 33mm	028000-3641,-3642,-4000,-4020,-4200, -4243,-4250,-4323,-4340,-4450, -4510,-4730,-4940,-5060,-5120, -5190,-5390,-5730,-5800,-5820, -5991,-6040,-6120,-6190,-6240, -6250,-6280,-6350,-6440,-7380, -7410,-8180,-8380,-8451,-8570, -8620,-8980,-9380,-9510,-9800, -9820 128000-0050,-0100,-0111-0141,-0150, -0170,-0171 228000-0440,-0990, 428000-0570 12 Volt
	4-JAS 84	Daihatsu	028531-0450,-0946 028099-0770,-2620,-2628, -2670,-2770,-3950 BH 028510-0441,0580,0590,0830, 028510-5320,5350,5410,5420 28140-34030 28140-87701-000 28140-87704-000 28140-87710-000 31208-657-0040 31208-657-300 31208-PH7-661 31208-PR4-0030 02851-00441,-00590 21170-53608 23378-AA040,-AA050 49243-7212,-7302,-7502 28140-34030,-64130,-65020, 28140-74010,-74020,-74070, 28140-76070 28142-34030		
	<b>JASX 85</b> <b>P/N 0 1985 1</b>	Denso		6,5 x 10 x 16	028000-5330-5335 -6380-6382 12 Volt
	4-JAS 85	Daihatsu	28531-0680,-3510 028099-3510 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 8682-24-750 Mitsubishi MD604916 Subaru 23378-KA000 49206-7002 49243-7002 Suzuki 31131-82010 31173-78310,-78311 Toyota 28140-15010		
	<b>JASX 86-87</b> <b>P/N 0 1986 1</b>	Denso		7 x 16 x 16 7 x 16 x 16	128000-8320 228000-2570 12 Volt
	2-JAS 86 2-JAS 87	Daihatsu Honda Toyota	flex only insulated flex BH 028510-0750 28140-15090 31208-PC2-661 28140-15090		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
 	<b>JASX 88</b> <b>P/N 0 1988 1</b>	Denso			028000-4800,-5000,-5300,-5301,-5510,-5511,-5520,-5530,-5531,-5550
	4-JAS 88		028531-0632,-5650,-5651 028099-3560,-3570	8 x 25 x 21	-5551,-5581,-5620,-5690,-5860,-5880,-6060,-6200,-6290,-6870,-6880,-6890,-6891,-6892,-6910,-7810,-8070,-8071,-8400,-9331 128000-1570,-1790,-3080,-6170,-6810 428000-0290,-1860,-2580,-2631,-3110 -2631,-3110 12 Volt
		Daihatsu	28140-77090-000		
		Hino	2814A-77090 28140-1220		
		Isuzu	1-81119-004-0 5-81118-013-0		
		Komatsu	02851-00500		
		Mitsubishi	028510-0500 028510-0670		
		Toyota	28142-22060/71 28140-77090		
 	<b>JASX 89</b> <b>P/N 0 1991 1</b>	Denso			028000-4540,-5900,-5910,-5911-5912, 028000-6000,-6001,-6030,-6300 12 Volt
	4-JAS 89		028099-3430,3950 028531-0720,0730 BH 028510-0460,0660	7 x 16 x 14 flex length 22mm	
		Daihatsu	28140-26070 28140-87707-000		
		Honda	31208-657-671 31208-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		
	<b>JASX 101-102</b> <b>P/N 0 1933 1</b>	Denso			428000-0670,-0680,-0700 428000-1640,-1750 12 Volt
	1-JAS 101 2-JAS 102	positive pair negative single		4.5 x 14 x 15.0 4.5 x 14 x 15.0	
	<b>JASX 105-106</b> <b>P/N 0 1921 1</b>	Denso Toyota	PS 70		228000-9900,-9901,-9902 428000-0150,-0151,-0152 428000-1080,-3090 12 Volt a/c
	1-JAS 105 1-JAS 106	negative pair positive pair		4.5/7.0 x 8.5 x 9.5 4.5/7.0 x 8.5 x 9.5	
			fits Brush Holder Denso 128099-6310		
	<b>JASX 112-114</b> <b>P/N 0 1923 1</b>	Denso			428000-5510,-5511 A 000 906 01 26 80 A 006 151 45 01 Mercedes Diesel 12V
	1-JAS 114 2-JAS 112	positive pair negative single		5.3 x 18.9 x 15.6 5.3 x 18.9 x 15.6	

IKA-No. Original References Dimensions mm Unit-Nos.

**NEW**



JASX 115-116  
P/N 0 1348 1







Denso  
Toyota  
1-JAS 115 positive pair  
1-JAS 116 negative pair







28100-28040,-041,-042  
28100-28050,-28051,-28052,-28053  
28100-28080,-28081,-28082  
12 Volt







4.15/7.4 x 8.35 x 16  
4.15/7.4 x 8.35 x 16

fits brush holder 128099-6311  
128099-6312  
IKA P/N 7 7606 1

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 5</b> <b>P/N 0 1451 1</b>	Fiat			B76-0,5/12S E76-0,6/12V 632 010 00-5 632 011 00,01 632 201 07,08,37,38 632 202 02,32 632 204 00,02,03,08,09,30,32,33,38,39 632 205 35-38 12 Volt Iskra AZD 3502,3503,3508,3511 11 130 134,-143,-266,-314 0.6 kw 12 Volt
	2-JS 5	Fiat Iskra	748 681 71 16 905 225  Replacement for IKSX 4 IKA P/N 0 1533 1	6 x 16 x 17	
	<b>JSX 9</b> <b>P/N 0 1454 1</b>	Fiat			E115-3/24 632 238 00,02,07,30,32 24 Volt
	4-JS 9		747 026 10 853160	6,5 x 14 x 20	
	<b>JSX 13 (4)</b> <b>P/N 0 1457 1</b>	Fiat			E100-1,3/12, 1,5/12 632 060 02,03 632 223 01,04,31 632 224 00,05,08,09,30,35,37-39 632 225 01,02,31,32,35,36 632 227 30,31,33,35,36 12 Volt
	4-JS 13		748 747 41	7 x 16 x 20	
	<b>JSX 14</b> <b>P/N 0 1455 1</b>	Fiat			E115-1,8/12 12 Volt
	4-JS 14		4005010	6,5 x 14 x 20	
	<b>JSX 16</b> <b>P/N 0 1459 1</b>	Fiat			E84-08/12V, Var, 1,2,3,6,8 632 207 00-03,05,06,20,21,23,24,30-33,35, 632 207 40,41,43,44,46 632 208 00-04,06,08,30,32,33,34,36 632 209 31,32,40 12 Volt
	2-JS 16		748 617 81	8 x 17 x 19	
	<b>JSX 19</b> <b>P/N 0 1462 1</b>	Fiat			M125-3/12 632 24 600,02,91 12 Volt
	4-JS 19		748 460 01	10 x 22 x 28	






IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 21-22</b> <b>P/N 0 1464 1</b> Fiat			E95-0,9-12 E95-1,0-12 632 213 30,32-35,38 632 214 30,31 632 215 31,32,34,35,38 632 216 33,37 12 Volt
	1-JS 21 positive pair 2-JS 22 negative single	748 809 41,512 706 52 748 811 21,512 706 51	6 x 13 x 17,5 6 x 13 x 17,5	Brush Holder: (748 811 51 + 748 809 21)
	<b>JSX 23-24-28</b> <b>P/N 0 1466 1</b> Fiat			E100-1,6/12 632 232 35-39 632 233 30-32 12 Volt
	2-JS 23 1-JS 24 1-JS 28	748 879 01 748 879 11 748 912 60	7 x 15,5 x 20 7 x 15,5 x 20 7 x 15,5 x 20	Brush Holder: 748 879 51 (85540391 + 74888901)
	<b>JSX 25-22</b> <b>P/N 0 1467 1</b> Fiat			E95-1,1-12 632 214 30 632 215 32,38 12 Volt
	1-JS 25 3-JS 22	748 884 01,512 706 53 748 811 21,512 706 51	6 x 13 x 17,5 6 x 13 x 17,5	Brush Holder: (748 811 51 + 748 883 61 (748 811 51 + 855 303 00)
	<b>JSX 26-27</b> <b>P/N 0 1468 1</b> Fiat			E95-1,1-12 632 214 33-36,38 632 215 30,33,36,39 632 216 30,32,35,36,39 632 217 31 12 Volt
	3-JS 26 1-JS 27	748 910 71,512 706 61, 512 707 99 748 910 80,512 706 60, 512 707 98	6 x 13 x 17,5 6 x 13 x 17,5	Brush Holder: (748 911 01 + 748 909 61)
	<b>JSX 29-30</b> <b>P/N 0 1469 1</b> Fiat			E95-0,8-12 E95C-0,8-12 631 010 03 632 218 30,32,34,90,92 12 Volt
	1-JS 29 1-JS 30	74893801,51270805 74893811,51270803	6 x 13 x 17,5 6 x 13 x 17,5	Brush Holder: 748 938 51 (855 403 51 + 748 936 31)
	<b>JSX 31-32</b> <b>P/N 0 1470 1</b> Fiat			E95R-2,2-12 632 218 31 632 220 30,31,34-36,38,39 632 221 30,31,33-36,38 632 222 04,06 12 Volt
	2-JS 31 negative single 1-JS 32 positive pair	7489438.1,51270764,74899061 7489439.1,51270765,74899071	8 x 19 x 18 8 x 19 x 18	Brush Holder: (855 403 41 + 748 941 21) (855 403 41 + 832 228 01)



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 33-34</b> <b>P/N 0 1471 1</b>	Fiat	832 272 58 insul. no 832 272 57 insul. 35  Brush Holder: (832 204 61 + 832 201 31) (542 944 44 + 832 265 57)	6 x 15 x 16,7 flex 28 6 x 15 x 16,7 flex 28	E70R-1,4-12 M70R-1,4-12/-1,8-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35 12 Volt
	<b>JSX 35-36</b> <b>P/N 0 1472 1</b>	Fiat	832 211 91 932 212 01  Brush Holder: (832 212 41 + 832 216 51)	7 x 13 x 17,5 7 x 13 x 17,5	E80-0,8-12 E80-1,0-12 632 228 31-33,36-38 632 230 31-34 12 Volt
	<b>JSX 35-37</b> <b>P/N 0 1473 1</b>	Fiat	negative single 832 211 91 positive pair 832 216 81  Brush Holder: (832 212 41 + 832 209 91) (832 212 41 + 832 239 91)	7 x 13 x 17,5 7 x 13 x 17,5	E80E-1,0-12 631 230 31-34 12 Volt
	<b>JSX 38-39-40 (3)</b> <b>P/N 0 1474 1</b>	Fiat	832 244 81 insul. no 832 274 91 insul. 52 832 274 90 insul. 38  Brush Holder: (832 244 61 + 832 251 17)	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 42 7 x 13 x 17,5 flex 26	E80E-0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 03 12 Volt
	<b>JSX 38-40-58 (4)</b> <b>P/N 0 1482 1</b>	Fiat	832 244 81 insul. no 832 274 90 insul. 38 832 269 21 insul. 100  Brush Holder: (832 253 59 + 832 257 10)	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 80	E80E-1,0-12 631 030 02,03,07,08 12 Volt
	<b>JSX 38-41 (2)</b> <b>P/N 0 1475 1</b>	Fiat	832 244 81 insul. no 832 252 66 insul. 18  Brush Holder: (832 244 61 + 832 251 46) (832 253 26 + 832 263 48) (832 253 26 + 832 264 91)	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 26	E80E-0,8-12 631 010 00,02 632 010 08 632 228 89,97 632 229 05,08,09,36 632 231 04,09 632 232 00 632 233 03 632 931 04 12 Volt







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 38-42 (2)</b> <b>P/N 0 1476 1</b>	Fiat			E80E Seat 12 Volt
	1-JS 38 (-) 1-JS 42 (+)		832 244 81 insul. no 832 246 21 insul. 25	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 30	
	<b>JSX 40-46-47 (4)</b> <b>P/N 0 1477 1</b>	Fiat			E80E 12 Volt
	1-JS 40 (+) 1-JS 46 (+) 2-JS 47 (-)		832 274 90 insul. 38 832 261 48 insul. 57 832 261 89 insul. no	7 x 13 x 17,5 flex 26 7 x 13 x 17,5 flex 65 7 x 13 x 17,5 flex 26	
	<b>JSX 43-45-44 (4)</b> <b>P/N 0 1478 1</b>	Fiat			E80E 12 Volt
	2-JS 43 (-) 1-JS 45 (+) 1-JS 44 (+)		832 258 22 insul. no 832 258 23 insul. 50 832 258 24 insul. 18	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 62 7 x 13 x 19,5 flex 26	
	<b>JSX 43-45-57 (3)</b> <b>P/N 0 1483 1</b>	Fiat			632 230 39 632 233 04 632 930 39 E80E-0,9-12 12 Volt
	1-JS 43 (-) 1-JS 45 (+) 1-JS 57 (+)		832 258 22 insul. no 832 258 23 insul. 50 832 274 95 insul. 38	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 62 7 x 13 x 19,5 flex 26	
			Brush Holder: (832 258 86 + 832 258 83) (832 258 86 + 832 262 40)		
	<b>JSX 48-49-50 (3)</b> <b>P/N 0 1479 1</b>	Fiat			E80E 12 Volt
	1-JS 48 (+) 1-JS 49 (+) 1-JS 50 (-)		832 262 17 insul. 18 832 262 18 insul. 34 832 264 28 insul. no	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 42 7 x 13 x 19,5 flex 26	
	<b>JSX 50-55-56 (3)</b> <b>P/N 0 1484 1</b>	Fiat			631 020 00 632 920 00 E80E-0,9-12 12 Volt
	1-JS 50 (-) 1-JS 55 (+) 1-JS 56 (+)		832 264 28 insul. no 832 274 94 insul. 38 832 274 93 insul. 52	7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 26 7 x 13 x 19,5 flex 42	
			Brush Holder: (832 262 16 + 832 259 35)		



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 51-52 (2)</b> <b>P/N 0 1480 1</b> Fiat				E80F-0,8-12 12 Volt
	1-JS 51 (+)		832 273 62 insul. 18	7 x 8 x 19,5 flex 26	
	1-JS 52 (-)		832 273 64 insul. no	7 x 8 x 19,5 flex 26	
	<b>JSX 51-52-59 (3)</b> <b>P/N 0 1485 1</b> Fiat				E80F-0,9-12 12 Volt
	1-JS 51 (+)		832 273 62 insul. 18	7 x 8 x 19,5 flex 26	
	1-JS 52 (-)		832 273 64 insul. no	7 x 8 x 19,5 flex 26	
	1-JS 59 (+)		832 274 70 insul. 26	7 x 8 x 19,5 flex 34	
	<b>JSX 51-52-63 (4)</b> <b>P/N 0 1486 1</b> Fiat				E80F-1,0-12 12 Volt
	1-JS 51 (+)		832 273 62 insul. 18	7 x 8 x 19,5 flex 26	
	2-JS 52 (-)		832 273 64 insul. no	7 x 8 x 19,5 flex 26	
	1-JS 63 (+)		832 276 57 insul. 100	7 x 8 x 19,5 flex 80	
	<b>JSX 53-54</b> <b>P/N 0 1481 1</b> Fiat				E95RL-2,2/2,6-12 631 140 08,10,14 12 Volt Ducato
	2-JS 53	negative single	832 269 19	8 x 19 x 20	
	1-JS 54	positive pair	832 269 20	8 x 19 x 20	
			Brush Holder: (748 944 41 + 832 257 10) (832 263 36 + 832 267 10)		
	<b>JSX 61-62-63 (4)</b> <b>P/N 0 1487 1</b> Fiat				D80F-1,0-12 12 Volt Denso-Fiat
	2-JS 61 (-)		832 275 84 insul. no	7 x 8 x 19,5 flex 26	
	1-JS 62 (+)		832 275 83 insul. 18	7 x 8 x 19,5 flex 26	
	1-JS 63 (+)		832 276 57 insul. 100	7 x 8 x 19,5 flex 80	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JSX 70-71</b> <b>P/N 0 1490 1</b> Fiat-Denso			P95 2.3/2.6 kw 12 Volt
	1-JS 70	positive pair 028531-6870	7.8 x 19 x 20	
	2-JS 71	negative single 028531-6880	7.8 x 19 x 20	
	<b>JSX 72-73</b> <b>P/N 0 1491 1</b> Fiat-Denso			P76 2.0 kw 12 Volt
	2-JS 72	028531-7340	7 x 20 x 16	
	2-JS 73	028531-7331	7 x 20 x 16	
	<b>JSX 73 (4)</b> <b>P/N 0 1493 1</b> Fiat-Denso			P76 12 Volt
	4-JS 73	028531-7331	7 x 20 x 16	
	<b>JSX 74-75-76-77</b> <b>P/N 0 1492 1</b> Fiat-Denso			PA70 1.4 kW 12 Volt BMW, PSA, Toyota
	1-JS 74	28531-6420	4.5 x 14 x 14.3/15.3	
	1-JS 75	28531-6390	4.5 x 14 x 14.3/15.3	
	1-JS 76	28531-6400	4.5 x 14 x 14.3/15.3	
	1-JS 77	28531-6410	4.5 x 14 x 14.3/15.3	
	<b>JSX 78-79</b> <b>P/N 0 1452 1</b> Fiat-Denso			028988-030 PA 78 12 V
	2-JS 78	028531-8801	7 x 20 x 16	
	2-JS 79	028531-8791	7 x 20 x 16	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>NEW</b> 	<b>JSX 80-81-82-83</b> <b>P/N 0 1463 1</b> Fiat-Denso				
	1-JS 80		028531-9400	5.4 x 18.5 x 10.4/11.9	PA70 LL
	1-JS 81		028531-9410	5.4 x 18.5 x 10.4/11.9	12 Volt
	1-JS 82		028531-9380	5.4 x 18.5 x 10.4/11.9	
	1-JS 83		028531-9390	5.4 x 18.5 x 10.4/11.9	
			double layer brushes with 2% silver content		
<b>NEW</b> 	<b>JSX 84-85-86-87</b> <b>P/N 0 1465 1</b> Fiat-Denso				
	1-JS 84		028531-9450	5.4 x 13.5 x 10.4/11.9	PA70 LS
	1-JS 85		028531-9440	5.4 x 13.5 x 10.4/11.9	12 Volt
	1-JS 86		028531-9430	5.4 x 13.5 x 10.4/11.9	
	1-JS 87		028531-9420	5.4 x 13.5 x 10.4/11.9	
			double layer brushes with 2% silver content		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>FX 70-71</b> <b>P/N 0 1527 1</b>	Ford-Visteon	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 12 Volt
1-F 70 1-F 71	negative pair positive pair	F0OU-11056-AA F0OU-11055-AA  Brush Holder E90Z-11061-A,B,C		
	<b>FX 70-72</b> <b>P/N 0 1528 1</b>	Ford-Visteon	4,5 x 16 x 14 4,5 x 16 x 14	93BB-11000-HB,JB,JC,KA,KB,KC PMGR-Starter Europe 12 Volt
1-F 70 1-F 72	negative pair positive pair	F0OU-11056-AA F3RU-11055-AA  Brush Holder F3RZ-11061-A		
	<b>FX 73</b> <b>P/N 0 1529 1</b>	Ford-Visteon	6 x 13 x 14	96BB-11000-AA,AB USA 12 Volt
4-F 73				
	<b>FX 74</b> <b>P/N 0 1530 1</b>	Ford-Visteon	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 12 Volt
4-F 74		F7RU-11056-AB  Brush Holder: F7RU-11434-BA		
	<b>FX 74-78</b> <b>P/N 0 1522 1</b>	Ford-Visteon	8,2 x 18,9 x 17,7 8,2 x 18,9 x 17,7	97BB-11000-BB 97BB-11000-BC 98AB-11000-AC 98VB-11000-B1A 98VB-11000-B3A 98VB-11000-BA 12 Volt
2-F 74 1-F 78	negative single positive pair	F7RU-11056-AB F7RU-11055-CA  same application as FX 74 but positive brush-pair with bus bar  Brush Holder: F7RU-11434-BA		
	<b>FX 75</b> <b>P/N 0 1524 1</b>	Ford-Visteon	8,2 x 18,9 x 18	97VB-11000 Ford Transit 2,2 KW-Starter Ungarn 12 Volt
4-F 75		F7RU-11056-CA TR3		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
---------	----------	------------	---------------	-----------



**FX 76-77**

**P/N 0 1523 1**

Ford-Visteon

2-F 76 ( + )

2-F 77 ( - )

1C3U-11056-BA

1C3U-11056-AA

Brush Holder:

1C3U-11434-AA

8,2 x 18,9 x 18,2







8,2 x 18,9 x 18,2






1C3U-11000-AA,-AB,-AE






3,6 KW-Starter

Visteon / ISKRA





12 Volt



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 15-6 (4)</b> <b>P/N 0 1942 1</b> Hitachi				S114-150,-151 S114-156,-A S114-91 12 Volt
	2-JAS 15 2-JAS 6		2108-2305/-4305/-6305 2108-2306/-4306/-6306	6 x 16 x 14 6 x 16 x 14	
	<b>JASX 26-27</b> <b>P/N 0 1978 1</b> Hitachi				S28-23B, S28-25 24 Volt
	2-JAS 26 2-JAS 27		2280-1313 2280-1312	10 x 25 x 22,5 10 x 25 x 22,5	
		Nissan	23331-99002 -99003		
	<b>JASX 31</b> <b>P/N 0 1952 1</b> Hitachi				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		
	<b>JASX 32-33</b> <b>P/N 0 1951 1</b> Hitachi				12 Volt
	1-JAS 32 1-JAS 33		2114-2313 2114-6312	7 x 16 x 16,5 7 x 16 x 16,5	
		Isuzu	9-8211-16440 9-8211-16450		
		Nissan	23379-19900 23380-19900		
	<b>JASX 34-30</b> <b>P/N 0 1934 1</b> Hitachi				12 Volt
	2-JAS 34 2-JAS 30		2130-6312 2130-9311	8 x 19 x 18 8 x 19 x 18	
		Isuzu	8-94028-460-0 8-94028-464-0 8-94228-464-0		
		Nissan	23379-V0700 23380-V0700		
	<b>JASX 36-37</b> <b>P/N 0 1937 1</b> Hitachi				S12-38A S13-33,-33A,-33B,-34A S13-37,-37B,-38B S13-41,-41A,-41B M2T20671 12 Volt
	2-JAS 36 2-JAS 37		2130-5312 2130-8311 2250-5322 2250-5323	8 x 25 x 18 8 x 25 x 18	
		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		







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 49-61</b> <b>P/N 0 1948 1</b>		Hitachi		S114-750,-752,-753,-754A,-758, S114-762,-765,-766,-767,-769, S114-775,-780,-870 12 Volt
	1-JAS 49	positive pair	2114-53125,-63125,-83125	4,5 x 14 x 17	
	2-JAS 61	negative single	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		
	<b>JASX 50-51</b> <b>P/N 0 1961 1</b>		Hitachi		S114-364,-398,-418,-419,-424, S114-435,-435A S114-501,-501A,-505,-505A S114-516,-516A,-517,-517C,-518,-519A S114-523,-525A,-526,-528,-528A 12 Volt
	1-JAS 50	positive pair w/o. insulation	2114-23124,-63121,-63123 2114-73122,-83122,-83124 2114-93122	7 x 11 x 16	
	2-JAS 51	negative single	2114-59003,-83121,-93121	7 x 11 x 16	
		Mazda	B101-18X-72/-18X-66		VW Golf,Passat,Santana 1.6
		Nissan	23379-M8001/23380-12G01 23379-M8001/23380-42L60 23379-M8001/23380-57M60 23379-M8001/23380-77A01 23379-M8001/23380-M8001		
		Subaru	49206-6401/-6501 49207-6401		
		brush set with insulated terminal	P/N 0 1319 1		
		IKA P/N 0 1319 1			
<b>NEW</b> 	<b>JASX 50-51</b> <b>P/N 0 1319 1</b>		insulated terminal		S114-516,-A S114-528,-A
	1-JAS 50	positive pair	2114-83122 insulated terminal	7 x 11 x 16	
	2-JAS 51	negative single	2114-83121	7 x 11 x 16	
			brush set w/o. insulated terminal	IKA P/N 0 1961 1	
	<b>JASX 54-55</b> <b>P/N 0 1964 1</b>		Hitachi		S114-800,-801,-804,-805 808,-816,-850 12 Volt
	1-JAS 54	positive pair	2114-63126	4,5 x 14 x 15	
	2-JAS 55	negative single	2114-53126	4,5 x 14 x 15	
		Brush Holder	2114-23106 2114-73105		Opel Astra D Opel Corsa D
		Nissan	23380-OM300 23379-OM300		
		Opel	JHTSX 300-301		
	<b>JASX 56-3</b> <b>P/N 0 1959 1</b>		Hitachi		S12-23,-24A,-32,-34,-47 12 Volt
	2-JAS 56		2120-1311,1312	8 x 14,5 x 22	
	2-JAS 3		2120-4311,5312 2120-7311	8 x 14,5 x 22	
		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		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 56-3/0</b> <b>P/N 0 1958 1</b>	Hitachi			12 Volt
	2-JAS 56/0 2-JAS 3/0		2120-7312 2120-9311	8 x 14,5 x 22 8 x 14,5 x 22	
		Nissan	23379-G7000 23380-G7000		
	<b>JASX 57-58</b> <b>P/N 0 1960 1</b>	Hitachi		12 Volt	S108-77,-78 S114-103,-108L,-121N,-122N, 126M,-132,-136,-139,-146
	2-JAS 57 2-JAS 58		2114-4313 2114-8312	7 x 11 x 18 7 x 11 x 18	
		Daihatsu Honda	2114-4313/8312 31246-568-005 31217-568-005		
		Isuzu Nissan	9-8211-1657-0/1658-0 23379-16E01/-21000 23380-16E01/-21000		
		Subaru	9402-1408/1409		
	<b>JASX 59-60</b> <b>P/N 0 1950 1</b>	Hitachi			S114-435F,-435G,-456,-556,-556A, 557A,-558,-568,-568A,-570B, 653A,-653B
	1-JAS 59 2-JAS 60	positive pair negative single	2114-73123,-73125,-73126 2114-83123,-83126	4,5 x 11 x 16 4,5 x 11 x 16	23300-53J00 23300-KA270 12 Volt
		Nissan	23380-53J00 23379-53J00		
		Subaru	23387-KA000 23388-KA000		
	<b>JASX 65-67</b> <b>P/N 0 1968 1</b>	Hitachi			12 Volt
	2-JAS 65 1-JAS 67		2114-59003/-93121 2114-6313/-8313	7 x 11 x 16 7 x 11 x 16	
		Honda Isuzu	31215-PD4-0050 5-81116-056-0 5-81119-034-0 8-94208-294-0		
		Nissan	23379-M0101/M0102 23380-M0101		
		Subaru	49206-1001 49207-1001		
	<b>JASX 66-67</b> <b>P/N 0 1969 1</b>	Hitachi		12 Volt	S108-34B,-61,-61A-G, 63,-66,-116
	2-JAS 66 2-JAS 67		2114-3315/-5312 2114-6313/-8313	7 x 11 x 16 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 23380-56A00 23380-M0100		
		Subaru	21070-53908/-54008 24370-54008 49206-5501 49207-5501		




	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 74</b> <b>P/N 0 1975 1</b>	Hitachi			S13-100,-104,-106A-C, 106E,-107,-107A, 109,-109B,-111 12 Volt
	4-JAS 74		2130-23112	7 x 19 x 15,8	
		Isuzu Nissan	8-94136-900-0 23380-10G00 23379-10G00		
	<b>JASX 74-75</b> <b>P/N 0 1974 1</b>	Hitachi			S13-62,-62B 101,-102,-105,-105A, 129,-136,-160,-329,-529 12 Volt
	2-JAS 74 2-JAS 75		2130-13111 2130-7312 2240-1311/1312	7 x 19 x 15,8 7 x 19 x 15,8	
		Daihatsu Isuzu Mazda Nissan Volvo	23379-W2500/23380-W2500 2331-T9000/T9001 8-94136-900-0 8-94152-930-0/-970-0/-973-0 8-94242-061-0/8-94242-065-0 8-94478-862-0 894152970/-973 23379-54A00 23380-54T00 23380-W2500 740 D, 760 D		
	<b>JASX 80-81</b> <b>P/N 0 1982 1</b>	Hitachi			S114-233A,-252F,-253B, 254D,-255A,-256B, 257,-257G,-257H,-258C 12 Volt
	2-JAS 80 2-JAS 81		2114-59002 2114-69002	7 x 14 x 16 7 x 14 x 16	
		Isuzu Nissan	8-94208-440-0 8-94208-444-0 8-94228-440-0 8-94228-444-0 23379-M4900 23380-M4900		
	<b>JASX 92-93</b> <b>P/N 0 1992 1</b>	Hitachi			S13-06,-06A,-10,-14,-18, S13-28,-29,-32,-32A,-55 12 Volt
	2-JAS 92 2-JAS 93		2130-1312/2312 2130-3311/4311 2130-4312/7311	9 x 19,5 x 22 9 x 19,5 x 22	
		Isuzu Nissan	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 23379-J2000 23380-J2000 23379-61501,-61503 23380-61501,-61503		







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
 	<b>JASX 94-95</b> <b>P/N 0 1993 1</b>			
		Hitachi		S13-15,-61 S24-64B,-64E
	2-JAS 94		2250-2323	9 x 19,5 x 19,5
	2-JAS 95		2250-1324,-4322	9 x 19,5 x 19,5
		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	S25-100A,-103,-106A,-117D, 120,-120A,-121A,-128 24 Volt
		Nissan	23331-Z9000 23331-Z9001	
		Hino	28142-1020A 28142-1010A	




	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LASX 15-16</b> <b>P/N 0 1608 1</b>	Lucas	271735 (TAB 125)		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 12 Volt
	2-LAS 15 2-LAS 16		271491,54258277 271493,54258282	7,9 x 19,05 x 22,2 7,9 x 19,05 x 22,2	
	<b>LASX 15-27</b> <b>P/N 0 1609 1</b>	Lucas	271735(-1) (TAB 120)		M45G(-1) 12 Volt
	2-LAS 15 2-LAS 27		271491,54258277 271492,54258276	7,9 x 19,05 x 22,2 7,9 x 19,05 x 22,2	
	<b>LASX 30-31-32</b> <b>P/N 0 1613 1</b>	Lucas	54256907 (TAB 106) 60600626,60600688 54258277		25585,25586,26209 12 Volt
	1-LAS 30		54258280-7238	7,9 x 19,05 x 22,2 flex length 90mm	
	1-LAS 31 2-LAS 32		54257236	7,9 x 19,05 x 22,2 flex length 65mm 7,9 x 19,05 x 22,2 flex w/o. insulation	
	<b>LASX 31</b> <b>P/N 0 1614 1</b>	Lucas	54258592 (TAB 119)		M50 26211,91 26338,39,95 12Volt
	4-LAS 31		54257238, 54258280	7,9 x 19,05 x 22,2 flex length 65 mm	
	<b>LASX 36</b> <b>P/N 0 1615 1</b>	Lucas	54259517, 60600849 (TAB 118)		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 27304 27500-9,11-16,18-28,31-34,36-41,43,45-47, 50-54,56-59,63-65 12 Volt CAV CA4512, CA45C12, CA45D12 CA45F12, CA45LC12
	4-LAS 36	Lucas CAV	54248210 6211-410 5933-530  Replacement for ASX 19 IKA P/N 0 1228 1	9 x 20 x 26	
	<b>LASX 40-41</b> <b>P/N 0 1617 1</b>	Lucas	54244848,60600056 (TAB 117)		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 12 Volt
	1-LAS 40 1-LAS 41		54265217,54266892 54265216	9/3,5 x 11,6 x 15,9 9/3,5 x 11,6 x 15,9	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LASX 42</b> <b>P/N 0 1618 1</b>	Lucas	54244979		M50, M127 12 Volt
	4-LAS 42		54258779,54262842	9 x 20 x 26	
	<b>LASX 43-44</b> <b>P/N 0 1628 1</b>	Lucas	54246258 (TAB 124)		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 12 Volt
	1-LAS 43 1-LAS 44		with terminal 54243725	10,3/4,7 x 13,3x17,5 10,3/4,7 x 13,3x17,5	
			Replacement for LASX 43-47-48 IKA P/N 0 1622 1		
	<b>LASX 43-44/0</b> <b>P/N 0 1619 1</b>	Lucas	54246258 (TAB 124)		12 Volt
	2-LAS 44		54243725 w/o. terminal	10,3/4,7x13.3x17,5	
			Replacement for	LASX 46-47-48 IKA P/N 0 1612 1	
			Alternative Brush Set	LASX 44-45 with terminal IKA P/N 0 1620 1	
	<b>LASX 43-47-48</b> <b>P/N 0 1622 1</b>	Lucas	60600220 (TAB 113) 60600298		25699 25724,46,48 M 100 12 Volt
	1-LAS 43 1-LAS 47 1-LAS 48			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	
			limited stock		
			replaced by LASX 43-44 IKA P/N 0 1628 1		
	<b>LASX 44-45</b> <b>P/N 0 1620 1</b>	Lucas	60600196 (TAB 116)		25631,59,68,70,77-83,94,97 25700,1,45 M 100 12 Volt
	1-LAS 45 1-LAS 44		54243725	10,3/4,7 x 13,3 x 17,5 10,3/4,7 x 13,3 x 17,5	
			Alternative Brush Set	LASX 43-44/0 w/o. terminal P/N 0 1619 1	
	<b>LASX 46-47-48</b> <b>P/N 0 1612 1</b>	Lucas	60600205 (TAB 114)		25696 M 100 12 Volt
	1-LAS 46 1-LAS 47 1-LAS 48			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	
			limited stock		
			replaced by	LASX 43-44/0 P/N 0 1619 1	







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>LASX 73-41</b> <b>P/N 0 1621 1</b>	Lucas	60600767 (TAB 103) 9937303 FIAT  54265216	9/3,5 x 11,6 x 15,9 9/3,5 x 11,6 x 15,9	25326,31-33,35-40,44,49-51,54-57,59-62,65,66, 69-72,74-80,82-85,87-89,97,98 25404,05,10,11 M 90 12 Volt
	<b>LASX 81-82</b> <b>P/N 0 1607 1</b>	Lucas	60600944 (TAB 135)  bus bar assembly 54291121/24 brush & clip assy. 54291261	6,8 x 13,8 x 9,4 6,8 x 13,8 x 9,4	M78R anticlock 12 Volt
	<b>LASX 84-85</b> <b>P/N 0 1611 1</b>	Lucas	60600946 (TAB 134)  bus bar assy. 54291050 brush&clip assy. 54290791  Replacement for	6,8 x 13,8 x 9,4 6,8 x 13,8 x 9,4  LASX 83-84 P/N 0 1610 1	M78R clock 12 Volt
	<b>LASX 86-79-80</b> <b>P/N 0 1623 1</b>	Lucas	60600953 (TAB 136)  bus bar assy. 54291874 brush 54292331 flex 65 mm brush 54291968 flex 99 mm	7.0 x 13.7 x 12 7.0 x 13.7 x 12 7.0 x 13.7 x 12	M79 anticlock 12 Volt
	<b>LASX 87-77-78</b> <b>P/N 0 1624 1</b>	Lucas	60600911 (TAB 131)  bus bar assy. 54291894 brush 54291966 flex 50 mm brush 54291967 flex 74 mm	7.0 x 13.7 x 12 mm 7.0 x 13.7 x 12 mm 7.0 x 13.7 x 12 mm	M79 clock 12 Volt






IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JA-SX 16-17</b> <b>P/N 0 1998 1</b>	Mando Melroe	4,5 x 12 x 15,5 4,5 x 12 x 15,5	MOT84881 MOT85381 36100-38090 M60081 M60082 12 Volt
	1-JAS 16	positive pair		
	2-JAS 17	negative single		





	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>MASX 3</b> <b>P/N 0 1662 1</b>	Marelli	743 713 10, 09010905	9 x 20 x 26	MT31AC,43DC 632 131 27, 632 143 49 24 Volt
	<b>MASX 13-14</b> <b>P/N 0 1663 1</b>	Marelli	723 632 01, 09927791 723 632 02, 09927792	8 x 25 x 23 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 Volt
	<b>MASX 15-16</b> <b>P/N 0 1664 1</b>	Marelli	723 632 03/05/07, 9929080 723 632 04/06, 9928448	10 x 25 x 23 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 Volt - 3,5 kW
	<b>MASX 17-18</b> <b>P/N 0 1665 1</b>	Marelli	723 837 01, 09956556, 79019316 723 837 02, 09956552, 79019317	9 x 16 x 23 9 x 16 x 23	MT71A,D,E,FA,H,L,LA,N,R,S,T,U,V,Z 632 171 01,04-08,10,12,16-21,25,38,47,73,82 632 174 01-04 12 Volt
	<b>MASX 19-20</b> <b>P/N 0 1666 1</b>	Marelli	723 837 03/05 723 837 04/06	9 x 16 x 23 9 x 16 x 23	MT72AB 632 172 25 24 Volt - 3,0 kW
	<b>MASX 21-22</b> <b>P/N 0 1668 1</b>	Marelli Bosch	(721 650 01 + 721 659 01) 2 007 014 012  721 624 02 721 624 01  Replacement for IKSX 10-11 Replacement for BSX 67	8 x 25 x 23 8 x 25 x 23  P/N 0 1537 1 P/N 0 1119 1	MT 67 AD,CB 632 167 31,41 24 Volt - 4,0 kW 0 001 360 002-005,008,009, 012,013,020 JD4/24Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>MASX 23-24</b> <b>P/N 0 1669 1</b>	Marelli Bosch		MT 68 AD,LC,MC,PA,PB,RA,S,T 632 168 17,18,31,52,61,84,96 12 Volt - 3,5 kW
	2-MAS 23 2-MAS 24	(721 647 01 + 721 658 01) 2 007 014 011	10 x 25 x 23 10 x 25 x 23	0 001 359 001,004,006-008,011-014, 016,018,019,021,024-026, 028,030,031,033-035
		721 624 04 721 624 03		IDR 12V28 JD 4/12Volt
		Replacement for IKSX 12 Replacement for BSX 62	P/N 0 1538 1 P/N 0 1118 1	
	<b>MASX 25-26</b> <b>P/N 0 1670 1</b>	Marelli		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 Volt - 2,5 kW
	2-MAS 25 2-MAS 26	(721 641 01 + 721 660 01,02) (721 641 01 + 721 684 01)	9 x 16 x 23 9 x 16 x 23	
		721 613 02 721 613 01		
		Replacement for IKSX 5-6	P/N 0 1534 1	
	<b>MASX 27-28</b> <b>P/N 0 1671 1</b>	Marelli		MT 72 AB 632 172 26 24 Volt - 3,0 kW
	2-MAS 27 2-MAS 28	(721 641 02 + 721 657 01)	9 x 16 x 23 9 x 16 x 23	
		721 613 04 721 613 03		






	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 23</b> <b>P/N 0 1980 1</b>		Melco		SM302-02 SM302-07 SM302-08 SM302-18 31200-PC6-663 31200-PD2-663 31200-PEO-664 31200-PE1-674 31200-PH3-953 12 Volt
	4-JAS 23		M648D10471	6,0 x 14 x 16	
		Mazda	0135 18 444A,445A		
		Mitsubishi	MD602593,594		
	<b>JASX 29</b> <b>P/N 0 1949 1</b>		Melco		ME-Y1R ME-Y3R 12 Volt
	4-JAS 29		M648C10171 M648C10671	6,8 x 16,5 x 14	
		Mazda	0603-23-643		
		Mitsubishi	E64457044M		
		Nissan	23380-10611 23380-21010		
	<b>JASX 38</b> <b>P/N 0 1936 1</b>		Melco		M2T54272 M3T54071,-54072 12 Volt
	4-JAS 38		M648C25271 M648C25273	8 x 20 x 18	
		Mitsubishi	Brush Holder: M649T04372 MD607461		
	<b>JASX 40-41</b> <b>P/N 0 1953 1</b>		Melco		M0T70281,-70285,-71981,-81181, M0T82081,-84381 M1T60081,-60181,-60185,60281, M1T60381,-60581,-71381,-71881
	1-JAS 40	positive pair	M647C00271,272 M647C00571,573	4,5 x 12 x 17,5	
	2-JAS 41	negative single	M648C31171 MD611216 MD611217	4,5 x 12 x 17,5	
		Mitsubishi	23380-421-70 23379-AA000		
		Nissan	23380-421-70 23379-AA000		
			Brush Holder M649T09371/M649T01271		
	<b>JASX 42-43</b> <b>P/N 0 1954 1</b>		Melco		M1T30071,-30072,-30171,30172 M1T66081,-66082 M1T71781,-74081,-74087,-74281, M1T74381,-74481,-74491,-74583, M1T74851,-75181,-75781 12 Volt
	1-JAS 42	positive pair	M647C00371 M647C00671 M647C01771	4,5 x 18 x 17,5	
	2-JAS 43	negative single	M648C32971	4,5 x 18 x 17,5	
			Brush Holder: M649T01671/M649X01771		
		Mazda	N327-18-X66		
		Mitsubishi	MD611918		
	<b>JASX 44-28</b> <b>P/N 0 1941 1</b>		Melco		M0T60081,-60081A,-80081,80281, M0T80281ZC,-80285,-80381,-80581, M0T8080831,-80881 M1T60281,-60285,-60285A 12 Volt
	1-JAS 28	negative pair		4,5 x 12 x 12,5	
	1-JAS 44	positive pair		4,5 x 12 x 12,5	
			Brush Holder: M321X05171 M647X03471,03971,04271, M647X04571,05571,05871, M647X05971,06571		


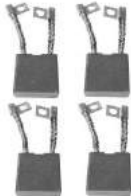

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 45-46</b> <b>P/N 0 1956 1</b>		Melco		MD066761 M2T40081 12 Volt
	1-JAS 45	positive pair	M647C00171	4,5 x 10 x 17,5	
	2-JAS 46	negative single	M648C16471, M648D20671	4,5 x 10 x 17,5	
			Brush Holder: M649T01571		
		Mitsubishi	MD607897 MD607899		
	<b>JASX 47-48</b> <b>P/N 0 1957 1</b>		Melco		M5T25373 M5T27672 12 Volt
	2-JAS 47		M648C20371 M648C22371	6,5 x 19 x 19,3	
	2-JAS 48		M648C24471 M648C24472 M648D20671 M648D20771	6,5 x 19 x 19,3	
		Mazda	0839-24-723		
		Mitsubishi	MM502019 MM502135		
		Nissan	23379-37504 23379-99008 23380-37504 23380-37505 29042-L7000 29142-L5000 29142-L7005 29242-L4005		
	<b>JASX 68-73</b> <b>P/N 0 1976 1</b>		Melco		M0T70681,-70781,-71581,-71681, M0T82081,-82081ZE,-85381 M1T60081,-60281,-70483,-71381, M1T71382,-71382ZC,-72581,-72583, M1T72583G,-73281,-73283,-73285, M1T73383,-77681 12 Volt
	1-JAS 68	positive pair	M647C00871	4,5 x 12 x 16,5	
	2-JAS 73	negative single		4,5 x 12 x 16,5	
			Brush Holder M649T09371		
		Mitsubishi	MD611731 MD618619		
	<b>JASX 69-70(3)</b> <b>P/N 0 1970 1</b>		Melco		M2T10171,-20181A,-20281,-23685 M3T10475,-10476,-10672,-11173, M3T11174,-11272,-12572,-15772 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	
			Brush Holder: M649T03571		
		Mazda	0222-24-753 0426-24-753		
		Mitsubishi	MD602470/MD607389		
		Nissan	23380-U0110		
	<b>JASX 69-70(4)</b> <b>P/N 0 1971 1</b>		Melco		M1T50171 M2T10171,-10271,-10471,-20181, M2T20181A,-20182,-23181,-23685, M2T24181,-24281,-25481,-25581, M2T25681,-50391,-50571,-50575, M2T51681,-52871,-54091,-58081, M2T58581,-58681,-58781,-58881 12 Volt
	2-JAS 69	flex only	M648C12170	6,8 x 11,8 x 17,2	
	2-JAS 70	insulated flex	M648C13770,M648C13771 M648X28771,M648X30971	6,8 x 11,8 x 17,2	
			Brush Holder: M649T04471 M649X03171,09571		
		Citroen	JMTSX 100		
		Mazda	0222-24-750/0222-24-753 0426-24-753/N202-24-750		
		Mitsubishi	MD602468/MD618447		
		Nissan	23378-N5911 23380-B5010,-E3010		
		Peugeot	JMTSX 100		
		Suzuki	31132-72030 31132-72031		







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 70</b> <b>P/N 0 1967 1</b>	Melco			12 Volt
	4-JAS 70	insulated flex	M648C13770 M648C10371B  Brush Holder: M649T04171,04973	6,8 x 11,8 x 17,2	
		Mazda	0222-24-753/N202-24-750		
		Mitsubishi	MD602069/MD607949 MM502344		
		Nissan	23378-N5910		
	<b>JASX 71</b> <b>P/N 0 1973 1</b>	Melco			M4T66074,-66173
	4-JAS 71		M648C25671,M648C26771  Brush Holder: M649T02171,02172	8 x 24 x 17	12 Volt
		Mazda	SE01-24-750 R201-18-X66		
		Mitsubishi	MD611024 ME700299,ME700304 ME700858		
	<b>JASX 71-72</b> <b>P/N 0 1972 1</b>	Melco			M2T60072,-60171,-60172,-60185, M2T60571,-66072,-92071,-92171, M2T92172,-92271
	2-JAS 71 2-JAS 72		M648C25671,M648C28371 M648C25672,M648C28571 M648X40811,M648X40871  Brush Holder: M649T04971,4972	8 x 24 x 17 8 x 24 x 17	M3T56089,-56183,-66572,-67171, M3T67172 12 Volt
		Mazda	R201-18-X66 R201-24-750 S203-24-750 SE01-24-750		
		Mitsubishi	ME700047/ME700290 ME700939		
	<b>JASX 82-83(3)</b> <b>P/N 0 1981 1</b>	Melco			12 Volt
	1-JAS 82 2-JAS 83		M648C14970 M648C14870,-15070  Brush Holder: M649T01371,4871	7 x 10 x 17 7 x 10 x 17	
		Mando Melroe	36173-11140 36170-2170 Brush-Holder		
		Mazda	E301-24-753 E501-24-753		
		Mitsubishi	MD607554 MD607556		
		Nissan	23380-M8310 23380-M8311		
		Subaru	49206-5804 49207-5804		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 82-83(4)</b>				
	<b>P/N 0 1983 1</b>	Melco			M2T13081,-13281,-13581,-20181, M2T20181D,-23081,-25772,-30281, M2T30381,-30385,-30481 M3T22681 12 Volt
	2-JAS 82		M648C14970,-14971,-16970	7 x 10 x 17	
	2-JAS 83		M648C14871,-15070,-16971	7 x 10 x 17	
		Mazda	B630-18-X66 B660-18-X66 E301-24-750,-753 E501-24-753		
		Nissan	23379-M8310 23380-M8311		
		Suzuki	31131-80090 31132-80090		
	<b>JASX 90</b>				
	<b>P/N 0 1989 1</b>	Melco			12 Volt
	4-JAS 90		Brush Holder: M649T04372	8 x 20 x 17	
		Mazda	1456-24-723 1456-24-750		
		Mitsubishi	MD607461		
		Nissan	23378-W2810		
	<b>JASX 91</b>				
	<b>P/N 0 1990 1</b>	Melco			M1T50172 12 Volt Peugeot 205,309 Diesel
	4-JAS 91		Brush Holder: M649T00771	7 x 14 x 16 flex 42 mm	
		Mitsubishi	M001T50172,471		
		Nissan	Diesel Gear Starter		
		PSA	JMTSX101		
	<b>JASX 96-97</b>				
	<b>P/N 0 1995 1</b>	Melco			M2T56071,-60071,-65271,-65272, M2T66873,-67884,-80582 24 Volt
	2-JAS 96		M648C26371	6,8 x 18 x 18	
	2-JAS 97		Brush Holder M648X28671/M649T05072	6,8 x 18 x 18	
		Mitsubishi	ME700140/ME701169		
		Nissan	23330-T9000		
	<b>JASX 98-99</b>				
	<b>P/N 0 1994 1</b>	Melco			M2T54871,-54881,-56181,-56182, M2T56185,-57271,-57273,-57771, M2T57773,-57871,-57881,-60172 12 Volt
	2-JAS 98		M648C15372	6,8 x 18 x 18	
	2-JAS 99		M648C15472	6,8 x 18 x 18	
			Brush Holder: M648X28271/M649T05071		
		Mazda	8599-24-750		
		Mitsubishi	MD618460 ME700127/ME701188		
		Nissan	23378-W3410		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 100</b> <b>P/N 0 1999 1</b>	Melco M648C35871	4,3 x 12 x 12,3	M0T20871 12 Volt
	<b>JASX 103-104</b> <b>P/N 0 1932 1</b>	Melco	8.0 x 30 x 18.2 8.0 x 30 x 18.2	M8T61671 M9T60371,60471,60671,60672, M9T61171,61571,61671, M9T80472,80473,83671 5.5 kW 24 Volt
	<b>JA-SX 110-111</b> <b>P/N 0 1922 1</b>	Melco 1-JAS 110 positive pair 2-JAS 111 negative single	4,5 x 12 x 12,5 4,5 x 12 x 12,5	M0T85981 M0T86081 M1T85781 MD362207 12V

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JA-SX 21 (4)</b> <b>P/N 0 1987 1</b>	Mitsuba	6 x 14 x 15	D7RSA7, D7RS7 Honda 31208-PC2681 Mitsuba SM302 12 Volt
	<b>JASX 24-25</b> <b>P/N 0 1979 1</b>	Mitsuba	5 x 17 x 16.5 5 x 17 x 16.5	D7RSA4, 8-11 Honda 31200-P45C0 Mitsuba SM402 12 Volt
	1-JAS 24 1-JAS 25	negative pair positive pair	Valeo 186169,187387-390	



IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PLSX 3</b> <b>P/N 0 1690 1</b>	Pal Magneton	8 x 12 x 22	09-914 0,7/0,8/12 10-199-4009/12 12 Volt
4-PLS 3		110-904300,02-8480-82		
	<b>PLSX 4</b> <b>P/N 0 1691 1</b>	Pal Magneton	8,8 x 26,6 x 26	12 Volt
4-PLS 4		93-22-32		
	<b>PLSX 5</b> <b>P/N 0 1689 1</b>	Pal Magneton	6 x 12,5 x 12,5 flex length 30mm	443 115 141 310/311 Skoda Favorit, Felicia 12 Volt
4-PLS 5				







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 60</b> <b>P/N 0 1284 1</b>	Remy	1906945, 966 (D757) 1946400 (D760)	6,3 x 19,05 x 16	1107201,1107619-895, 1108284,1108300-8307,8390,9439 199829 5 MT,8MT,10MT,SD300 Hyster Fork Lift 12 Volt
	<b>RX 70 (4)</b> <b>P/N 0 1285 1</b>	Remy	1906986 1946407,1946483	9,5 x 19,05 x 19	24 Volt
	<b>RX 87</b> <b>P/N 0 1287 1</b>	Remy	1906958,962,968,987 (D759,D761)	9,5 x 19,05 x 19	30 MT,35 MT 12 Volt
	<b>RX 92</b> <b>P/N 0 1296 1</b>	Remy	1906918,989 1946426,487	7,9 x 19,05 x 19	1109961-98 24 Volt
	<b>RX 95</b> <b>P/N 0 1288 1</b>	Remy	1946434, 1976861	9,5 x 19,05 x 19	1107506-88 20MT,25 MT Clark Fork Lift 6/12 Volt
	<b>RX 96</b> <b>P/N 0 1286 1</b>	Remy	1852880 (D764)	7,9 x 19,05 x 19	22MT,27MT 12 Volt





# KOHLEBÜRSTEN CARBON BRUSHES







# REMY







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 120 (2)</b>				
	<b>P/N 0 1250 1</b>	Remy	3471506 (DR 751)		3471143 12 Volt
		1-R 909 1-R 924 C 2-springs	3471487 3471488 w. clip	6 x 16 x 14 6 x 16 x 14	
	<b>RX 120 (3)</b>				
	<b>P/N 0 1291 1</b>	Remy	3471764 w. Brush Holder		12 Volt
		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	
	<b>RX 120 (4)</b>				
	<b>P/N 0 1251 1</b>	Remy	3471505 (DR 700)		3471141,144 12 Volt
		2-R 909 1-R 922-924 C 4-springs	3471009 3471022 + 3471024 w. clip	6 x 16 x 14 6 x 16 x 14	
	<b>RX 120/0 (4)</b>				
	<b>P/N 0 1295 1</b>	Remy	3471783,3471834		3471155,169,170,173-176 12 Volt
		2-R 909/0 1-R 922 1-R 924	3471009 w/o. Brush Holder 3471022 3471024	6 x 16 x 14 6 x 16 x 14 6 x 16 x 14	
	<b>RX 122</b>				
	<b>P/N 0 1280 1</b>	Remy	1852884	9,5 x 38,1 x 21,4	40 MT 400,450 12 Volt
		4-R122			
	<b>RX 122 H</b>				
	<b>P/N 0 1256 1</b>	Remy	1852883	9,5 x 38,1 x 21,4	40 MT 400,450 24 Volt
		4-R122 H			







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 124</b> <b>P/N 0 1281 1</b>	Remy	1852887	7,9 x 38,1 x 20,6	50 MT 400 12 Volt
	<b>RX 124 H</b> <b>P/N 0 1257 1</b>	Remy	1852888	7,9 x 38,1 x 20,6	50 MT 400 1114683,84,86,89 24 Volt
	<b>RX 134</b> <b>P/N 0 1282 1</b>	Remy	1852892	10,5 x 36,6 x24,4	42MT 12 Volt
	<b>RX 134-2C</b> <b>P/N 0 1264 1</b>	Remy	10159505 two component grade  replaces RX 134 fits old Brush Holder	10,5 x 36,6 x24,4	42 MT latest model 12 Volt
	<b>RX 134 H</b> <b>P/N 0 1259 1</b>	Remy	1852894	10,5 x 36,6 x24,4	42MT 24 Volt
	<b>RX 134 H-2C</b> <b>P/N 0 1265 1</b>	Remy	10520138 two component grade  replaces RX 134 H fits old Brush Holder	10,5 x 36,6 x24,4	42 MT latest model 24 Volt







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 135</b> <b>P/N 0 1283 1</b>	Remy	1852889	9,5 x 28,6 x 26,3	37 MT, 41MT 12 Volt
	<b>RX 135 H</b> <b>P/N 0 1260 1</b>	Remy	1852893	9,5 x 28,6x 26,3	37 MT, 41MT 24 Volt
	<b>RX 419-420</b> <b>P/N 0 1254 1</b>	Remy	10457119 10457120	7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	10479600,05,08,11,12 1113272,77,91 28 MT Nikko Denki 0-23740-0110 24 Volt
	<b>RX 457-458</b> <b>P/N 0 1255 1</b>	Remy	10456457 10456458	7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	1113273-82,86-88,90 292,95-97 323-451 28 MT Clark,Hyster,MF 12 Volt
	<b>RX 911</b> <b>P/N 0 1252 1</b>	Remy	R138 1852898	5,5 x 15 x 14,5	9000751,56,58 PG 100 Opel Unit-Nos. 21020892,21021648 12 Volt
	<b>RX 912</b> <b>P/N 0 1253 1</b>	Remy	R139 10499524 Brush Holder: 10475602	6 x 19 x 16	9000786,798,804-806,812,819,822 827,834,835,850,851,853, 860-867,899,900 PG 260M 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>RX 913-914</b> <b>P/N 0 1272 1</b>	Remy positive pair negative pair	4,6 x 13 x 11/12 4,6 x 13 x 11/12	1045506,96208781,9627548 Daewoo SD80F 12 Volt
	<b>RX 915</b> <b>P/N 0 1273 1</b>	Remy	5 x 16 x 11/12,5	9000794,801,817,840 96208782,783,785 PG 150, PG 260F1 12 Volt
		Brush Holder: 10475107		







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 64-70 (4)</b> <b>P/N 0 1742 1</b>	Valeo	Paris Rhone 75 452X Valeo 182 098,102,103		D10E47,72-74,79,96 D11E79,D109,110,142,143,159,165 12 Volt
	2-PS 64 2-PS 70		34t19 34t	7 x 18 x 17 7 x 18 x 17	
	<b>PSX 81-82</b> <b>P/N 0 1746 1</b>	Valeo	Paris Rhone 72 631G, 75 093G 300 679 Valeo 182 114,115,117		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 12 Volt
	2-PS 81 2-PS 82		70f 70f34	10 x 25 x 17 10 x 25 x 17	
	<b>PSX 83-84</b> <b>P/N 0 1750 1</b>	Valeo	Paris Rhone 72 630F Valeo 182 132,145		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 24 Volt
	2-PS 83 2-PS 84		70j 70j34	10 x 25 x 17 10 x 25 x 17	
	<b>PSX 88</b> <b>P/N 0 1756 1</b>	Valeo	Paris Rhone 72 615E Valeo 182 162		D15E14-16,19-23,24,T,25-30,T,TE 24 Volt
	4-PS 88		53j15	12 x 18 x 20	
	<b>PSX 89-90</b> <b>P/N 0 1747 1</b>	Valeo	594286		D13HP601,605 24 Volt
	2-PS 89 2-PS 90			10 x 25 x 20 10 x 25 x 20	
	<b>PSX 112</b> <b>P/N 0 1755 1</b>	Valeo	Paris Rhone 78 900U Valeo 182 146		D13E76,77,86TE,87TE,93TE,94TE,96TE,98TE, 107TE,109TE,110TE 24 Volt
	4-PS 112		47u53	10 x 18 x 17	







IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 115-116</b> <b>P/N 0 1757 1</b> Valeo	Paris Rhone 92 655V Valeo 182 064	7 x 18 x 14 7 x 18 x 14	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 12 Volt
	1-PS 115 1-PS 116	52h 52h		
	<b>PSX 115-116-121</b> <b>P/N 0 1759 1</b> Valeo	Paris Rhone 92 694G, 92 695H Valeo 182 099,112,113,116,133	7 x 18 x 14 7 x 18 x 14	D10E59,62,66 D11E58,69,75,78,84,85,108,123,139,T,140,144, 163,164,170,180,181,193 12 Volt
	2-PS 115 2-PS 116	52h 52h		
	<b>PSX 119-120</b> <b>P/N 0 1760 1</b> Valeo	Paris Rhone 78 166L, 92 656W Valeo 182 070,072	7 x 15 x 14 7 x 15 x 14	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 12 Volt
	1-PS 119 1-PS 120	55h 55h		
	<b>PSX 129</b> <b>P/N 0 1766 1</b> Valeo	Paris Rhone 92 878G Valeo 182 065, 594 065	10,6/6,1x10,3x15 10,6/6,1x10,3x15	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 12 Volt
	1-PS 129 a 2-PS 129 b	80hb 80hb		
	<b>PSX 132</b> <b>P/N 0 1769 1</b> Valeo	Paris Rhone 92 925 Valeo 182 118	10 x 18 x 14 10 x 18 x 14	D11E148,156,161,172,177,184, 187,188,191,192,195,272 12 Volt
	2-PS 132 a 2-PS 132 b	44t 44ta		
	<b>PSX 133</b> <b>P/N 0 1770 1</b> Valeo	Paris Rhone 300 706Z Valeo 182 067,594 066	13,9/6,9x12x15 13,9/6,9x12x15	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 12 Volt
	1-PS 133 a 1-PS 133 b	79hb 79hb  Alternative Brush Set:	PSX 133 K positive brush w. clip IKA P/N 0 1763 1	







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 133 K</b> <b>P/N 0 1763 1</b>	Valeo	Paris Rhone 300706 Valeo 182 067		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
	1-PS 133 b 1-PS 133 c	positive brush	with clip	13,9/6,9x12x15 13,9/6,9x12x15	12 Volt
			Alternative Brush Set:	PSX 133 positive brush w/o. clip IKA P/N 0 1770 1	
	<b>PSX 136-137</b> <b>P/N 0 1771 1</b>	Valeo	Paris Rhone 300 841H, 300 842		D10E85,87-90,92,881,882,921,922 12 Volt
	2-PS 136 2-PS 137		81ta 81ta	7 x 15 x 18,5 7 x 15 x 18,5	
	<b>PSX 138-139 (2)</b> <b>P/N 0 1775 1</b>	Valeo	182 054		D9R84 D9R121 12 Volt
	1-PS 138 1-PS 139		82aa 82aa	9 x 18 x 22 9 x 18 x 22	
	<b>PSX 140-141 (4)</b> <b>P/N 0 1776 1</b>	Valeo	182 051		D9R73,89-91,96,99,105,106,118,122,126, D9R135,139,142 12 Volt
	2-PS 140 2-PS 141		82ta 82ta	9 x 18 x 22 9 x 18 x 22	
	<b>PSX 142-143</b> <b>P/N 0 1779 1</b>	Valeo			D7R ... , D8R ... 12 Volt
	2-PS 142 2-PS 143		185658 cable nu 35 mm 185658 cable isol. 35 mm	7 x 14 x 13,7 7 x 14 x 13,7	
	<b>PSX 142-144</b> <b>P/N 0 1752 1</b>	Valeo			D7R5,11,15 12 Volt
	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	







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 142-145</b> <b>P/N 0 1754 1</b>	Valeo			D7R VW overload protection starter 12 Volt
	2-PS 142		185658,187639,191861 cable nu 6 mm <sup>2</sup> , 35 mm	7 x 14 x 13,7	
	2-PS 145		188571,191663,191862 cable isol. 3 mm <sup>2</sup> , 55 mm	7 x 14 x 13,7	
	<b>PSX 146-147 w/o spring</b> <b>P/N 0 1783 1</b>	Valeo	594064		D6RA8,10 SH 1.2 kw 12Volt
	1-PS 146		184602	4,5/9 x 11 x 14	
	1-PS 147			4,5/9 x 11 x 14	
	2-isolants		avec ressort P/N 0 3777 1		
	<b>PSX 146-147</b> <b>P/N 0 3777 1</b>	Valeo	594064		D6RA8,-10 SH 1.2 kw 12 Volt
	1-PS 146		184602	4,5/9 x 11 x 14	
	1-PS 147			4,5/9 x 11 x 14	
	2-Isolants		sans ressort P/N 0 1783 1		
	1-Ressort				
	<b>PSX 148-149 w/o spring</b> <b>P/N 0 1773 1</b>	Valeo	594060,594062		D6RA5,6,12,16,18,20,38,45,61 SH 1.1/1.2 kW 12 Volt
	1-PS 148			4,5/9 x 11 x 18	
	1-PS 149			4,5/9 x 11 x 18	
	2-isolants		avec ressort P/N 0 3778 1		
	<b>PSX 148-149</b> <b>P/N 0 3778 1</b>	Valeo	594060		D6RA5,-6,-12,-16,-18,-20 D6RA38,-45,-61,-62,-63,-66 SH 1.1/1.2 kw 12 Volt
	1-PS 148		187069,188151,188389	4,5/9 x 11 x 18	
	1-PS 149		564834	4,5/9 x 11 x 18	
	2-Isolants		sans ressort P/N 0 1773 1		
	1-Ressort				
	<b>PSX 148-149/0</b> <b>P/N 0 1774 1</b>	Valeo	594060		D6RA5,-6,12,16,18,20 D6RA38,-45,-61 SH 1.1/1.2 kw 12Volt
	2-PS 148/0		brushes with flex only	4,5/9 x 11 x 18	
	2-Isolants		Alternative Brush Set PSX 148-149	PSX 148-149 IKA P/N 0 1773 1	



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 148-157 w/o spring</b> <b>P/N 0 1777 1</b>	Valeo	594063  187069,188151,188389 186772,187068,188855  avec ressort P/N 0 3779 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA52-56,59,60,62,63,66,70,72,75,141,161,661,721 SH 1.0/1.05/1.1/1.2/1.3 kW SIH 1.1/1.2 kW 12 Volt
	<b>PSX 148-157</b> <b>P/N 0 3779 1</b>	Valeo	594063 594127 594257  187069,188151,188389 186772,187068,188855  sans ressort P/N 0 1777 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA7,-13,-15,-17,-19,-21-23,-25-30, D6RA32,-34,-39-44,-46,-48-50, D6RA52-56,-59,-60,-63,-66,-70,-72, D6RA75,-141,-161,-661,-721 SH 1.0-1.3 kw SIH 1.1/1.2 kw 12 Volt
	<b>PSX 148-158 w/o spring</b> <b>P/N 0 1768 1</b>	Valeo	594169  187069,188151,188389 186865,187870,188430  avec ressort P/N 03780 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA33,37,47,51,57,101,133,571 SH 1.0/1.1/1.2/1.4 kW 12 Volt
	<b>PSX 148-158</b> <b>P/N 0 3780 1</b>	Valeo	594169 594386  187069,188151,188389 186865,187870,188430  sans ressort P/N 0 1768 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA33,-37,-47,-51,-57, D6RA101,-133,-571 SH 1.0-1.4 kw 12 Volt
	<b>PSX 148-159 w/o spring</b> <b>P/N 0 1778 1</b>	Valeo	594317  187069,188151,188389 186925,187737,188150,188803  avec ressort P/N 0 3781 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA67,78-81,91,167,180,181 SH 1.0/1.1 kW 12 Volt
	<b>PSX 148-159</b> <b>P/N 0 3781 1</b>	Valeo	594317 594360  187069,188151 188389 , 188150,188803 186925,187737  sans ressort P/N 0 1778 1	4,5/9 x 11 x 18 4,5/9 x 11 x 18	D6RA67,-78-81,-91, D6RA 167,-180,-181 SH 1.0/1.1 kw 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 152-153</b> <b>P/N 0 1780 1</b>	Valeo	182037	10 x 18 x 17 10 x 18 x 17	D13E117TE-123TE D13HP701-705,709 24 Volt
	<b>PSX 155 (3)</b> <b>P/N 0 1727 1</b>	Valeo	187144  Brush Holder 594 290 fits IKA P/N 7 7159 1	6,4 x 8 x 11	D7E 1,16,29-32,39-42 SH 0.7/0.8/0.85 kW 12 Volt clockwise PSA
	<b>PSX 155 (4)</b> <b>P/N 0 1728 1</b>	Valeo	187144 Brush Holder 594 351 fits IKA P/N 7 7159 1	6,4 x 8 x 11	D7E4,6,8,15,18-20,22,23,27, 38,47,52,62,70,79 D7ED28,281 SH 0.8/0.85/1.0 kW 12 Volt clockwise Mercedes A-Class
	<b>PSX 156</b> <b>P/N 0 1726 1</b>	Valeo	187888  Brush Holder 594381 fits IKA P/N 7 7165 1	6,4 x 8 x 11	D7ES 2,4,5,7 SIH 0.9 kw 12 Volt anticlock VW
	<b>PSX 160-164</b> <b>P/N 0 1735 1</b>	Valeo	positive brush with 2 shunts 28mm negative brush with 1 shunt 25,5mm	7 x 13 x 11,5 7 x 13 x 11,5	190365 D7G3, -4, -6, -11 SH 1.5-1.7 kW 12 Volt overload protection starter Audi,BMW, PSA
	<b>PSX 161</b> <b>P/N 0 1737 1</b>	Valeo	1903131	7 x 14 x 13,7	D8R 1,27 SH 1.9/2.4 kW 12 Volt







	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>PSX 163-164</b> <b>P/N 0 1740 1</b> Valeo				D7G SIH 12 Volt overload protection starter VW
	2-PS 163		positive brush with 2 shunts 50mm	7 x 13 x 11,5	
	2-PS 164		negative brush with 1 shunt 25,5mm	7 x 13 x 11,5	
	<b>PSX 166-167</b> <b>P/N 0 1743 1</b> Valeo				D6G1,2,3,5 D6GS19 SH c/w 12 Volt Audi,BMW, Fiat, Mercedes, PSA VAG
	2-PS 166		191849	3,9/6,4 x 10 x 15,5	
	2-PS 167		191771	3,9/6,4 x 10 x 15,5	
			Replacement for PSX 168-167 IKA P/N 0 1744 1		
	<b>PSX 168-167</b> <b>P/N 0 1744 1</b> Valeo				
	2-PS 168		192985	3,9/6,4 x 10 x 15,5	
	2-PS 167		191771	3,9/6,4 x 10 x 15,5	
			replaced by PSX 166-167 IKA P/N 0 1743 1		
	<b>PSX 169-170</b> <b>P/N 0 1745 1</b> Valeo				D6GS1,2,3,5,11-13 SIH a/c 12 Volt overload protection starter VW
	2-PS 169		191772, 194789	3,9/6,4 x 10 x 15,5	
	2-PS 170		191773	3,9/6,4 x 10 x 15,5	
	<b>PSX 174</b> <b>P/N 0 1751 1</b> Valeo				ESM starters 12 Volt startstop starters Hyundai
	6-PS 174		1197541, 1203248	4.4 x19.9 x11.4/13.2	
			two component grade		
	<b>PSX 175-176-171</b> <b>P/N 0 1758 1</b> Valeo				ESW starters 2nd series ESW20E26 ESW20ER 6,20,25,121,123 ESW 22E 1.6/2.0kw 12 Volt Renault 1.6 D VW 2.0 TDI
	4-PS 171	- flex 35 mm	200921	7 x 11 x12.5	
	2-PS 175	+ flex 40 mm	200923	7 x 11 x12.5	
	2-PS 176	+ flex 30 mm	200924	7 x 11 x12.5	
			two component grade		
			Replacement for PSX 171-172 P/N 0 1739 1		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>NEW</b> 	<b>PSX 177</b> <b>P/N 01723 1</b>	Valeo			ESW22E RSW
	4-PS 177		208630 two component grade	7.0 x 20.0 x 16.0/19.5	latest models
<b>NEW</b> 	<b>PSX 178</b> <b>P/N 0 1722 1</b>	Valeo			TSC starters
	4-PS 178		1207489 two component grade	5.15 x 11.85 x 13.2/14.2	Ford, PSA Renault-Nissan VW
<b>NEW</b> 	<b>PSX 179-180</b> <b>P/N 0 1721 1</b>	Valeo			RSM starters
	2-PS 179 2-PS 180	negative positive	209756 209815 two component grade	5.25 x 17.0 x 14.0/15.0 5.25 x 17.0 x 14.0/15.0 flex 2.5 mm <sup>2</sup>	
<b>NEW</b> 	<b>PSX 181-182</b> <b>P/N 0 1725 1</b>	Valeo			RSM starters
	2-PS 181 2-PS 182	negative positive	206792 206793 two component grade	5.25 x 17.0 x 14.0/15.0 5.25 x 17.0 x 14.0/15.0 flex 3.0 mm <sup>2</sup>	
<b>NEW</b> 	<b>PSX 183</b> <b>P/N 0 1716 1</b>	Valeo			RSW starters
	4-PS 183		209831 two component grade Alternative Brush Set for	7 x 20 x 14/15.5	ESW starters: 4 brushes instead of 8
<b>NEW</b> 	<b>PSX 183-184</b> <b>P/N 0 1718 1</b>	Valeo			RSW starters overload protection
	2-PS 183 2-PS 184		209891 215031 two component grade Alternative Brush Set for	7 x 20 x 14/15.5 7 x 20 x 14/15.5	ESW Starters 4 Brushes instead of 8

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>USX 50-51(4)</b> <b>P/N 0 1354 1</b> Valeo	Ducellier 618509		412A,428AB,429B,430B,432A,443AB 6008ABC,39A,40A,56ACDEFGHJ,62A,68A, 6070A,75A,76A,79BCD,83ABCD,85A,88A,89A, 6097A,98A,99ABCD
	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	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 6/12 Volt
	<b>USX 60-59</b> <b>P/N 0 1355 1</b> Valeo	Ducellier 75238, 618481		371A,376A,381A,B,C,D,391A,393A,398A,401A,426A, 434AB,5130A, 6010ABDE,18A,60A,80B6112ABCDE,13AB 6020ABCD,23ABCDE,33,34AB,35ABCDE 6048,49A,50ABC,73ABCD,77ABC,81ACDEF, 6101AB,21A,22AB,28AB,29A,30A,34ACDEFGH, 6120A,35ACDE,48A,67A,88A 6136ABD,37ACDEF,38ABC,39AB,43A,44AB,47AB, 6155ABCEG,57A,61ABCFH,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 6/12 Volt
	1-US 60 1-US 59	99562 99556	8 x 15 x 15 8 x 15 x 15	Replacement for USX 44-21 USX 45-23 USX 76-77-78 (2 sets)
	<b>USX 73-85</b> <b>P/N 0 1361 1</b> Valeo	Ducellier 618491		6020EF,35F,77BC,81EF 6134FGH,36ABD,37ABCE,39BC,44AB 6155HIKL,61ABCFH,62ACE, 6172B,74ADBCFGH,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 12 Volt
	1-US 73 1-US 85	(cable 41 mm) (618 421)	8 x 15 x 15 8 x 15 x 15	
	<b>USX 91-92</b> <b>P/N 0 1367 1</b> Valeo	Ducellier 618691,692 Valeo 583 041		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 , 534055E,57A 12 Volt
	1-US 91 1-US 92	Ducellier 680 752 Ducellier 680 753	6/11,7 x 13 x 15 6/11,7 x 13 x 15	

# KOHLEBÜRSTEN CARBON BRUSHES

# HEATER MOTOR

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 3</b> <b>P/N 0 1795 1</b>	LEECE/ NEVILLE	( H 3 R )	7,1 x 7,1 x 14,3	
	<b>HX 6</b> <b>P/N 0 1785 1</b>	LUCAS / SMITH		6,3 x 6,3 x 11,9	Lucas EWD Smith eHS 340, MKI
	<b>HX 16</b> <b>P/N 0 1794 1</b>	DUCELLIER	92 330 / 90 177	6 x 6 x 11,5	
	<b>HX 26</b> <b>P/N 0 1796 1</b>	WEBASTO		9 x 6 x 16,5	
	<b>HX 54</b> <b>P/N 0 1793 1</b>	BOI-WO	EP523BOS Heat-on	5 x 6,4 x 10	
	<b>HX 56</b> <b>P/N 0 1786 1</b>	ELEKTROLUX		5 x 6 x 12,7	Volvo KS3442/21/140




# KOHLEBÜRSTEN CARBON BRUSHES

# HEATER MOTOR





	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 106</b> <b>P/N 0 1798 1</b>	AVOG	00-14-16-31	12 x 8 x 21	
	<b>HX 109</b> <b>P/N 0 1797 1</b>	WEBASTO	30HL1A, 1599-1721-0602	5 x 6,4 x 15	
	<b>HX 116</b> <b>P/N 0 1790 1</b>	BOSCH	3 137 014 109 / 100 3 134 320 026 / 025	6,3 x 6,3 x 11	0 130 056 ... 0 130 057 ... 0 130 059 ... 0 130 065 001,008 0 130 997 005 CPH, CRG, CRH
	<b>HX 124</b> <b>P/N 0 1791 1</b>	BOSCH	3 137 014 123 / 163 3 134 320 035 / 061	8 x 8 x 14	0 130 106 001,003,005,008,012,014,016 0 130 205 001 DPC, EPA12
	<b>HX 155</b> <b>P/N 0 1788 1</b>	BOSCH	3 137 014 171 3 134 320 155	8 x 6,3 x 11	0 130 061 ... 0 130 063 ... 0 130 068 001,004,006,009,011,013,017 CPA, CPB, CPL
	<b>HX 161</b> <b>P/N 0 1799 1</b>	BOSCH	3 137 014 162 3 134 320 161	6,3 x 5 x 12,5	0 130 106 002,004,007,010,015,017,019, 0 130 106 020,024,025,028-035 CPK







# KOHLEBÜRSTEN CARBON BRUSHES

# HEATER MOTOR

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HX 172</b>			
	<b>P/N 0 1789 1</b> BOSCH	3 137 014 202		0 130 701 019 JPK24
	2-H 172	3 134 320 101 / 172	8 x 8 x 15	
	<b>HX 341</b>			
	<b>P/N 0 1792 1</b> BOSCH			
	2-H 341	3 134 320 341	8 x 10 x 19,5	
	<b>HX 346</b>			
	<b>P/N 0 1787 1</b> BOSCH	3 137 014 111		0 130 103 ... 0 130 104 001 0 130 105 ... 0 130 107 001,003 DPG12, DRB, DRH12
	2-H 346	3 134 320 164 / 346	8 x 6,3 x 14	



	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>HPIX 1</b> <b>P/N 0 1800 1</b>	MAD Faurecia	HPI-KOYO 145 110 411 034	6,95 x 12,4 x 20,3	
	4-HPI 1				
	<b>HPIX 3</b> <b>P/N 0 1802 1</b>	MAD2 Faurecia	141 110 411 037 fits Brush Card: 7 5001 0 and 7 5002 0 Spring Kit: 7 5101 2	5,95 x 12,4 x 20	Citroen Saxo, Peugeot 106 Renault Kangoo Renault Trafic Engine Cooler
	4-HPI 3				
	<b>HPIX 4</b> <b>P/N 0 1803 1</b>	Siemens-VDO	fits Brush Card: 7 5003 0	5,45 x 12,2 x 22	Mercedes A-class
	4-HPI 4				
	<b>HPIX 5</b> <b>P/N 0 1804 1</b>		145 110 400 072 fits Brush Card: 7 5004 0	5,90 x 10,8 x 27	BMW Mini
	4-HPI 5				

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 1</b> <b>P/N 0 1943 1</b>	Denso	028530-0932,0933,0990,0991, 028530-1020,1021,1030,1031, 028530-5030,5031	6 x 9 x 12,5	028000-8411,8422,9133,9620,9622,9623, 028000-9872,9882 128000-1431,1550,4461,4590 12 Volt
	2-JAS 1	Honda	31215-ZA1-003,013		
	<b>JASX 2</b> <b>P/N 0 1946 1</b>			5 x 10 x 12,5	12 Volt
	2-JAS 2				
	<b>JASX 4</b> <b>P/N 0 1337 1</b>	Suzuki	31131-35400 complete with: 2 springs, 2 screws 2 washers	5 x 7 x 6,3	31100-30D00 Suzuki: Chrystal, Shogun, Tornado 125 ccm 12 Volt
	<b>JASX 5</b> <b>P/N 0 1338 1</b>	Yamaha	50W-81801-M0 complete with: 2 springs, 2 screws, 2 washers	5 x 7 x 7,3	3MB-81800-02 Yamaha: Alfa, Force 1, Cub 50 ccm 12 Volt
	<b>JASX 7</b> <b>P/N 0 1339 1</b>	Honda	31201-KFK-003 31201-KSS-901  Brush Holder: 31206-KW1-901	6 x 10 x 13	31200-KCN-003 Honda: Tiger 12 Volt
	<b>JASX 8</b> <b>P/N 0 1340 1</b>	Honda	31201-KPH-881 31201-KPW-901 31201-MBE-008  Brush-Holder: 31206-KPP-T01 31206-MBE-008	6 x 7,5 x 7,3	31200-KPP-T01 31200-KPH-881 Honda: Carisma, Dream, Wave, CBR, CBF 125 ccm 12 Volt

# KOHLEBÜRSTEN CARBON BRUSHES

# MOTORCYCLE

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	<b>JASX 9</b> <b>P/N 0 1341 1</b>	Suzuki	31131B30D50N000 31131B30D55N000  Brush Holder: 31132-13E00-000	5 x 7 x 8,1	31100-05501-000 Suzuki: Smash, GN 125 EX 125 ccm  12 Volt
	<b>JASX 13</b> <b>P/N 0 1342 1</b>	Yamaha	Brush Holder: 3KW-H1801-00 5VV-H1801-10	6 x 9,5 x 10	5P0-H1800-00 5P1-H1800-00 Yamaha: Nouvo 125 ccm 12 Volt
	<b>JASX 20</b> <b>P/N 0 1343 1</b>	Honda		6 x 6 x 7,5	Honda: Wave 12 Volt
	<b>JASX 211</b> <b>P/N 0 1344 1</b>	Yamaha	Brush Holder: 3AY-H1801-00	5 x 7 x 7,3	1S7-H1800-00 Yamaha: Jupiter, Vixion, YZ-R, WR 125 ccm 12 Volt
	<b>JASX 107</b> <b>P/N 0 1345 1</b>	Honda	Brush Holder: 31206-KPW-901	6 x 10 x 10,5	31200-KPP-861 Honda: Sonic, CBR 125 R 125 ccm 12 Volt
	<b>JASX 108</b> <b>P/N 0 1346 1</b>	Honda	Brush Holder: 31213-KEE-630	6 x 6 x 7,5	31210-KVY-961 Honda: Vario, Click, Scoopy, CBS, Bali 100 EX, Vision 50, SCV 100 50 - 100 ccm 12 Volt

IKA-No.      Original      References      Dimensions mm      Unit-Nos.



**JASX 109**  
**P/N 0 1347 1**

Honda

31201-187-701

6 x 6 x 7,5

31200-KTL-690  
31208-GB4-701  
Honda: Dream, Supra, Grand,  
Prisma, Star, Magna, C 90  
50 - 125 ccm  
12 Volt

# 2





BÜRSTENHALTER UND BÜRSTENHALTER-KITS






BRUSH-HOLDERS AND BRUSHHOLDER-KITS

PORTE-CHARBONS ET KITS PORTE-CHARBONS













IKA-No.	Original	References	Unit-Nos.
7 7114 1	Bosch	1 001 329 900 1 004 336 025,028,029, 034,055 with 2 negative brushes and 4 springs  complete kit with positive brushes : 7 7314 1	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 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
			
7 7115 1	Bosch	2 004 336 027,041,099 with 2 negative brushes and 4 springs  complete kit with positive brushes: 7 7315 1 or 7 7316 1	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413,414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
			
7 7117 1	Bosch	1 004 336 009,027,033,036, 1 004 336 040,046,057 1 007 010 027  with 2 negative brushes and 4 springs  replacement for 7 7118 1  complete kit with positive brushes: 7 7317 1	0 001 207 003,005,009,015,018 0 001 208 006, 007 214 002 215 001 311 024,030,031,047,050-52 054-056,100,103,107 108,110,111,113,115 120,123,124,126,130 138,139,146,147,149 312 101-111 313 006 314 005,006,009-015,017,018, 024-029,032,034,036-038, 042,043,045-47,049 315 005 EF(L/R) 6V 0.5 kW 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
			
7 7119 1	Bosch	2 004 336 028,044,067 with 2 negative brushes and 4 springs  complete kit with positive brushes: 7 7319 1	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 0 001 369 001-006,012-018,020-024 106 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW
			






	IKA-No.	Original	References	Unit-Nos.
	7 7120 1	Bosch	2 004 336 031,046 with 2 negative brushes and 4 springs  complete kit with positive brushes: 7 7320 1	0 001 368 001,002,004-007,009, 010,012-014,016,018-022 024,027-031,034-041 047,049,050,052,055-060 062,063,068-073,076,077 077,079,081,082,085,086 088,300,301,303,305-307 309-313,315-317,319-321  9 000 143 600-604 IF/JF(R) 24V 4.0 kW
	7 7121 1	Bosch	1 004 336 900 with 4 brushes BS 140 and 4 springs	0 001 312 108,109 317 007-013,016-019,022-025 GF(L/R) 12V 1.7 kW
	7 7122 1	Bosch	1 004 336 901 with 4 brushes BS 149 and 4 springs	0 001 208 702,706,707,709-715,717-719 9 000 333 106,114,117 EF(R) 12V 0.8-0.95 kW
	7 7123 1	Bosch  FIAT Nissan PSA Renault	1 004 336 822,838,856,861 F 000 AL1 921 AL2 050-052  9948244 23378-9F600 5825 C7 77 01 047 323  mono brushes	0 001 116 001,003-006,008,009 DM(R/L) 12V 0,7kW
	7 7124 1	Bosch  Ford MB Mitsubishi Opel	1 004 336 300,318,346,411, 418,419,423,436, 439,443,740,747, 748,762,806,812, 816,837,912,913, 921,922,960,965, 968,986,995,998  AU2-11049-A 000 151 98 14 MR 922747 905434727, 9196673  alternative brush holder: plastic type 7 7812 1	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  0 001 111 002-004 F 002 G20 049,052,101,141, 449,500,639 F 005 M00 006,010,011,013,016 F 010 AL0 103 DW(R) 12V 1.1-1.4 kW DW(R) 24V 1.6 kW







	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7125 1</b>	Bosch	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 9 001 081 094 F 000 AL1 013,050-055,326,396, 483,532,918,919 AL2 034,035,109	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 9 000 081 001-010 9 000 695 002,003 F 000 AL0 100,102,104,109,300-302, 306,313,328,334,401,402, 414,415,502 F 000 CD0 8A0,-8A2 DA(L) 12V 0.9 kW DM(L/R) 12V 0.8-1.1 kW
		FIAT	776 648 44 9945064,9948027	
		Nissan	23378-99B00,-B10	
		PSA	5825 A8,-C2,-C6 5828 97 95 646 211	
		Renault	77 01 042 412	
		VW	020 911 209 A,-C 026 911 209 A,-B,-C 055 911 209 02A 911 209	
			mono brushes	
	<b>7 7126 1</b>	Bosch	1 004 336 417,746,821,951	0 001 106 016 107 003-008,020-023,052,053, 121 006-011,016-019,022,023 DB/DW(L) 12V 1.1 kW DAF 1516679R, 1516723R, 1516779R, 1516781R Ford 95VW-11000-BA,-BB YM21-11000-EA VW 020 911 023,-F,-FX,-J,-N 02A 911 023 E,-F,-L,-T,-TX 02B 911 023 B,-F 02M 911 023,-X 02T 911 023 A,-E,-EX
		VW	020 911 209 B 02B 911 209	
			alternative brush holder: plastic type 7 7807 1	
	<b>7 7127 1</b>	Bosch	1 004 336 257,402,459, 732,927,958, 983,988,991	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, DB/DW(L) 12V 1.7-2.0 kW
		VW	020 911 209 021 911 209 036 911 209 02A 911 209 B	
			alternative brush holder plastic type 7 7838 1	
	<b>7 7129 1</b>	Bosch	1 004 336 401,404,455,458, 731,734,909,924, 925,942,947,955, 959,981 1 007 010 076 (Kit)	0 001 110 004,007,008,012,013, 016,019,022-024,027-030, 039,042-046,051-056, 063,064,066,067,075, 078,083,090,091,102, 106-108,120,122,123,999 DB/DW(R) 12V 1.7-2.0 kW R78-M15 12V
		BMW	12 41 1 726 041	
		FIAT	99440747,9945959,9950468	
		Ford	84AB-11461-AB, 6147939	
		Opel	1203037,90510286,93185012	
		VW	068 911 209 F,-G,-H 077 911 209,-A,-B	
			field coil connector 66.5 mm	
			alternative brush holder: plastic type 7 7835 1	






IKA-No.	Original	References	Unit-Nos.
7 7130 1	Bosch	9 003 334 314,343,355  1 004 112 906*,907* 9 003 334 103*,147*,163*, 9 003 334 165*,167*,171* 9 003 334 175* * with field coil housing	0 001 218 002-031,100-115 118,120-131,133-147 150-168,171-178 9 000 331 401,402,405-409, 411-415,417-428, 430-433 6 033 AB1 J00 EV(R) 12V 2.2/2.3 kW
7 7131 1	Bosch	1 004 336 309,332,397,415, 432,433,715,744, 801,813,827,842, 938,957,964,975  FIAT 9947478, 9947649 9950837 Nissan 23378-99B15 Opel 9118123, 93185011 PSA 5828 98 VW 058 911 209 A	0 001 106 011,014,015,025 107 010,012,014,017-019, 025,026,029,033,038, 049,054,055,062,066, 068,069,083,085,089, 091,094,095,097 121 001,002 9 000 694 022 9 007 045 020 DW(R) 0.9 kw DB/DW(R) 12V 1.1 kW 46468696, 46748350, 9613230280 92AB-11000-GA 23300-99B16 9118123, 9133598, 9198701, 93185011 5802 E4 96 035 034, 96 102 058 96 155 198 053 911 023 A,-B 058 911 023 B,-BX
7 7132 1	Bosch	1 004 336 361,456,460,468, 802,848,946,994  Perkins 2873 0307 Renault 77 00 102 800 77 01 042 471 77 01 044 940	0 001 109 035 110 089,114 115 001 DW(R) 12V 1.7/2.0 kW 1516790R 60 01 040 105 77 00 102 800 77 00 866 505
7 7133 1	Bosch	9 003 334 341 9 003 334 155 Kit 9 003 334 156*,158 * 02B 911 209 A 098 911 115*	0 001 218 116,117,119,132,148,149,170 EV (L) 12V 2.2/2.3 kW




	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7135 1</b>	Bosch  VW	1 004 336 507,508,537,550, 551,605,617,620, 621,713,751,752, 800,884,885  020 911 209 E 085 911 209 A,-C 02B 911 303 C 02M 911 209 B  1 007 010 124,135 Kit* * with commutator plate	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, 605,606 DB(L)12V 1.8/2.0 kW RF78-L30,35 12V(L) RF78-M45 12V(L) Ford 1M21-11000-AA 95VW-11000-CB,-EB,-EL,-GA VW 020 911 023 D,-P,-PX 020 911 024 A,-AX, 068 911 024 K,-KX 085 911 023 A,-K,-L,-M,-MX 02A 911 023 H,-J,Q 02A 911 024 E,-EX 02B 911 023 B,-D 02M 911 023 F,-FX,Q,-QX 6U0 911 023 A,-AX
	<b>7 7136 1</b>	Bosch DAF	2 004 336 077,078 1355895  with 4 brushes BS 177 and 4 springs  replacement for 7 7139 1	0 001 371 004-010,012-020,119,120 IE(R) 24V 6.7 kW DAF 1516656R,1516677R, 1516686R Leyland 1443674 MAN 81 26201 6022 MB 005 151 54 01 MTU 005 151 18 01 005 151 54 01 005 151 60 01 005 151 68 01 Scania 1318615,1329660,1332903, 1357211,1357213,1357709, 1358639,1358640,1382290, 1386807 MB Actros 1853,-L / 2043 AS / 2053, 2553,-L / 2653,-L / 3353 O580 (Travego) O580 RHD-15 (Travego)
	<b>7 7137 1</b>	Bosch DAF	2 004 336 085,087 1397425  with 2 negative brushes BS 170 and 4 springs  complete kit with positive brushes: 7 7337 1	0 001 372 001,004 IE/JE(R) 24V 6.2 kW DAF 1516658R, 1346163 MB 004 151 88 01 004 151 94 01 DAF 85 CF.340,-380,430 MB Actros 1831-4150 O580 RHD-15 (Travego)
	<b>7 7138 1</b>	Bosch DAF	2 004 336 066,086 1296182,1337452  with 2 negative brushes BS 170 and 4 springs  complete kit with positive brushes: 7 7338 1	0 001 364 300,301,400,402 0 001 372 002,003,005-008 IF(R) 24V 4.8 kW ID(R) 24V 5.2 kW IE(R) 24V 6.2 kW DAF 1284775,1317220,1357210, 1357212,1516762R,1518391R IVECO 42522942 KHD 117 9586 MB 005 151 50 01 457 151 03 01 DAF 85CF 340,380,430 95 XF 380,430,480,530 Actros 1831 - 4150 Axor 2635,3335,3340,3343, 4135,4140,4143 Citaro O530 Conecto O345 Integro O550, Travego O580 Touro OC500, Turismo 15 RHD,-SHD Travego O580,-RH(D)-15,-RHD-17

IKA-No.	Original	References	Unit-Nos.	
	7 7199 1	Bosch	<p>6 033 AD0 130,156 380,383,471 6 033 AD4 026,054,161,180 9 003 334 363 Stator Frame: 6 033 AD0 128,151, 152,189,473, AD4 064,093,094,098, 099,109,110,177</p> <p>limited stock</p> <p>replaced by 7 7241 1</p>	<p>0 001 231 001-003,008,010,011, 014,017-019,032 EV(R) 24V 4.0 kW HE95-M 24V (R)</p>
	7 7200 1	Bosch	<p>2 004 336 064</p> <p>with 2 negative brushes and 4 springs</p>	<p>0 001 368 083 IF(R) 24V 4.0 kW DAF/Leyland 1201327 45.130 / 45.150,-Turbo 45.160,-Turbo 45.180,-Turbo 45.210</p>
	7 7201 1	Bosch	<p>2 004 336 079</p> <p>with 4 brushes BS 197 and 4 springs</p> <p>limited stock</p>	<p>0 001 370 003,004 IE(R) 12V 5.0 kW MB 005 151 52 01 457 151 02 01</p>
	7 7202 1	Bosch VW	<p>1 004 336 506,637,879 020 911 209 B,-F</p>	<p>0 001 106 402-404,407,409,410 120 400-411 F 004 A94 403 DB(L) 12V 0.9 kW RF70-S25 12V(L) R70-S10 12V(L) BMW 12 41 7 522 697 12 41 7 682 099 12 41 7 691 956 (motorcycle) Piaggio GU057030730 VW 020 911 023 T,-TX 02T 911 023 G,-GX,-J,-M,-MX,-R,-RX 02Z 911 023 C 0AH 911 023 A,-AX</p>
	7 7203 1	Bosch VW	<p>1 004 336 272,503,549,619, 629,750,878 02A 911 209 E</p>	<p>0 001 125 007,008,031,032,042, 043,046,047,051,052, 617,618 DB(L) 12V 1.8/2.0 kW RF78-M-45 12V(L) VW 02A 911 024 D,-DX,-X 02B 911 023 D,-L,-M,-MX 02T 911 023 D,-H,-HX 07M 911 024</p>






	IKA-No.	Original	References	Unit-Nos.
	7 7204 1	Bosch VW	1 004 336 516,555,622 756,893 069 911 209 F	0 001 125 511-514,517,518 DB(R) 12V 2.0 kW RF78-S 12V(R) 069 911 023 L,-LX,-M,-MX
	7 7205 1	Bosch FIAT Suzuki	1 004 336 509,527,531, 704,708,886 773 650 65 31173-T55L0	0 001 108 401,402,420,421 450,451,456,457 F 002 G20 670 F 004 A94 004 DW(R) 12V 1.4 kW R70-L25,35 / RF70-L25 12V(R) BMW 12 41 7 519 390,391 Chrysler 68080459AA FIAT 517 8721 18 Ford 3M5T-11000-EA 1374049 Suzuki 31100-55L00,-55L01
	7 7206 1	Bosch VW	1 004 336 519,539,655,896 0 399 D77 003 02M 911 209 C	0 001 121 402,403,408-413,418-421, 429,430,433-436 0 399 703 117,118 708 101,102 F 042 200 000,068,088 020 911 024 D 02E 911 023,-J,-JX,-S,-SX 02M 911 023 G,-GX, 02M 911 024 D,-DX 02T 911 023 R 02T 911 024 D,-K,-KX 02Z 911 023 E,-EX 0AH 911 023 RF70-M25 12V(L)
	7 7208 1	Bosch FIAT VW	2 004 336 249,250 6 033 AD0 014,159,160,221 6 033 AD0 368,401,404,407 6 033 AD1 155,244,246,250, 6 033 AD1 252,294,311,349, 6 033 AD1 350,495 Stator Frame: 6 033 AD0 007,162,223, 225,311 AD1 108-110,245, 248,249,251,254 301,313,327,351 381,598 AD2 002 773 635 59 057 911 209 G  brush set BSX 192-193	0001 218 602,620, 703,710-712,715,716, 719,722,725,728,730, 735-738,740-742,754, 757-759,763-768, 770-772,774,776,777 805,808,809,812,814 815-822 0 001 223 001-014,016,018,019, 021,022,024,056,104 6 033 A1J 05B EV(L/R) 12V 2.3 kW Chrysler/Jeep 56041 563 AA DAF 1516888R KHD 118 0995,1751,2124,2382,2384 MB 005 151 2501,2901 VW 057 911 023 A,-AX,-E,-EX Audi A8 4.0/4.2 TDI quattro > 05/2003 Q7 4.2 TDI > 03/2007 Jeep Grand Cherokee 3.1TD VW Touareg 4.2 TDI > 01/2010



IKA-No.	Original	References	Unit-Nos.
7 7209 1	Bosch Ford IVECO PSA	6 033 AD0 161,409,411 AD1 255,259 BF9T-11434-AB 9972033 5821 G0  brush set BSX 192-193	0 001 223 501-507 EV(R) 12V 2.6 kW XC3U-11000-CA 500338953, 504015749 John Deere RE 50 134 7 SAME 29619400
7 7220 1	Bosch VW	1 004 336 561,765 053 911 209 A	0 001 107 103-106 121 030-035 RF74-M40,45 12V (R) R74-M40,60 12V (R) Overload Protection Starters VW 001 911 023, -B,-C,-CX,-X 036 911 023 S 085 911 023 H,-HX
7 7221 1	Bosch VW	1 004 336 504,562,766,978 02B 911 209 D	0 001 107 112 0 001 121 024-029 F 004 A94 029 DB/DW (L) 1.1/1.2 kw RF74-M50/M60 12V (L) 020 911 023 F,-FX 02A 911 023 L,-LX 02T 911 023 B
7 7222 1	Bosch FIAT	1 004 336 528,533,579,788 773 641 27	0 001 108 210,225,241,242 F 002 G20 326,348,546,582,593,820 DW(R) 12V 1.8 kW R74-L20,40,45,60 12V(R) RF74-L100,120 12V(R) 518 329 55 551 934 10, 551 955 03 Lombardini 5840147
7 7223 1	Bosch	1 004 336 512,552,567, 753,771,889	0 001 108 200,201,206,207, 228,229,237,238 DW(R) 12V 1.4 kW R74-L75 12V (R) 07C 911 023 D,-F,-FX,-G,-H,-HX 07D 911 023 A,-AX






	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7224 1</b>	Bosch	1 004 336 521,568,773,898	0 001 108 203 0 001 111 010 DW(L) 12V 1.4 kW R74-L10,-L25 12V (L) Lada 21100 3708010 03
	<b>7 7226 1</b>	Bosch VW	1 004 336 515,554,661, 755,892 012 911 209 A	0 001 115 022,023 DW(R) 12V 1.7 kW R74- 12V (R) Overload Protection Starters VW 012 911 023 C, -CX
	<b>7 7227 1</b>	Bosch VW	1 004 336 523,558,653,700,759 02M 911 209 A 03G 911 209 B	0 001 123 016,017,036,037, 044,045 DW(L) 12V 1.7 kW RF74-E25,-E45 12V (L) Overload Protection Starters VW 02E 911 023 H, -HX,L,-LX 02E 911 024 A,-AX
	<b>7 7229 1</b>	Bosch FIAT IVECO VW	1 004 336 524,559,574,578, 596,616,624,701, 760,784,787,869 1 004 337 004 1 004 338 162,164 773 638 17 773 641 02 425 668 18 059 911 209 E  Replacement for 7 7521 1 with longer brushes for longer life time	0 001 109 204,264,275,276,280,281,300, 301,310,311,332,333,340,341, 361,362,364,379,389,390,397, 398,405-408,421,422 0 001 110 130,131 0 001 124 028,029 DW(R) 12V 1.8 kW R78-M28,35,45,55 12V (R) RF78-L 12V(R) Ford 4M5T-11000-KB,-KC,-KE 1253808 IVECO 5801287850, 5801441816 5801457339, 69503857 Toyota 28100-L210 VW 057 911 021, -X 059 911 021 B,-BX,-D,-DX,-M,-MX
	<b>7 7230 1</b>	Bosch MB Toyota	1 004 336 582,586,590,688, 790,794 1 004 338 159 001 151 58 14 28140-0L070	0 001 0DB 98E 0 001 109 262,263,265,266,271-274, 284,285,344,345,377,378, 393,394,399-402,413,414,417 F 000 AL0 111,128 F 004 A94 008,011 DW(R) 2.0 kW R78-M45,55 12V (R) BMW 12 41 7 794 953 12 41 7 799 414 Chrysler 04801848 AB,-AC 04801849 AB,-AC MB 000 906 13 00 006 151 01 01 006 151 53 01, -54 01, -56 01, -65 01 343 151 71 01 Rover NAD 5002 10 Toyota 28100-0L070 VW 062 911 023 , -X




	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7231 1</b>	Bosch  MB  Nissan VW	9 003 334 344,350 9 003 334 169 Kit 9 003 334 151*,157* 000 151 79 55* 000 151 86 55* 23306-D8700* 049 911 115 D*  *with field coil limited stock	0 001 219 001-012,014,015,017,112 9 000 332 401,402,405,406 EV(R/L) 24V 2.5kW MB 003 151 93 01 003 151 94 01 004 151 31 01 006 151 66 01 461 906 22 00 Nissan 2300-D8700,-D870A VW 068 911 023 Q
	<b>7 7233 1</b>	Bosch	1 004 336 592,799	0 001 106 405,406 R70-S10 12V (R) BMW 12 41 7 540 897 12 41 7 552 105,697 12 41 7 582 309 PSA 5802 AR V7 540 89780 V7 552 10580
	<b>7 7234 1</b>	Bosch  FIAT MB  Opel VW	1 004 336 502,505,510,525, 526,534,547,608, 630,632,636,702, 703,711,718,723, 866 0 399 D77 008 773 638 13, 9949611 001 151 24 14 001 151 35 14 001 151 47 14 9199524, 93178218 03G 911 209 C 06B 911 209	0 001 107 401-405,407-411,415,417,418, 421-432,435-437,442,443,446, 447,450-453,456,463,464,474, 478,479,492-495,499-501,508, 509,521,522,525-528,534,535, 545 121 422,423,427,428,443,444 0 399 703 132,133 708 041,042,303,304 F 000 AL0 900 F 002 G20 485,594,669,917,939,962,996 F 002 G70 057,069 F 004 A94 000,001,410,418 DW(R) 12V 1,1 kw R70-M10,-15,-20,-25,-35 12V(R) RF70-M25 12V(R) BMW 12 41 7 521 116,123 12 41 7 526 636 12 41 7 594 292,843 12 41 7 610 341,343,348 FIAT 553 532 57, 717 398 64 Ford 2S6U-11000-CB,-DB 6G9N-11000-LA,-LB,-LC,-LD MB 005 151 34 01 Opel 1202110,1202281 93184533-4535,-6246 VW 06B 911 023C 06C 911 023,-X 06D 911 021B,-BX,-D 06D 911 023B 06E 911 021B,-BX 06H 911 021A,-AX












	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7235 1</b>	Bosch VW	1 004 336 571,627,781 068 911 209 L	0 001 110 136-139 R78-L35 12V (R) 068 911 024 F,-FX,-G,-GX
	<b>7 7237 1</b>	Bosch VW	1 004 336 538,569,570,625, 626,714,774,780 03G 911 209 A 059 911 209 C	0 001 109 064,065 125 053,054 RF78-M28 12V (R) R78-M28 12V (R) 03G 911 023,- A,-AX,X
	<b>7 7238 1</b>	Bosch VW	1 004 336 573,597,628,783 059 911 209 B	0 001 109 066,067 R78-M35 12V (R) 059 911 023 H,-HX
	<b>7 7239 1</b>	Bosch VW	1 004 336 576,656,785 02M 911 209 D	0 001 122 400-403 RF70-L25 12V (L) 02M 911 023 S,-SX 02Z 911 023 J,-JX Audi TT RS 2.5,-TFSI,-Coupe,-Cabrio,-quattro Skoda Superb 1.9 TDI,-Combi VW Jetta 1.6/2.5 New Beetle 2.5,-Cabriolet Polo Sedan 1.6 Touran 1.4 TSI EcoFuel
	<b>7 7241 1</b>	Bosch  DAF  Fendt IVECO  KHD MAN MB Volvo	6 033 AD0 130,156,380,383, 471 6 033 AD4 016,026,054,161, 174,180,194,212 6 033 AD5 128,179,316,320 9 003 334 363 Stator Frame: 2 005 005 201 6 033 AD0 128,151,152,189, 473 6 033 AD4 064,093,094,098, 099,107-110,166, 177,199 6 033 AD5 111,153,154 1382557,1396690,1658737, 1676629,1686585,1780595, 1784352,1793874 F926 900 060 070 42546436,42560318 9972097,9978020 1319757,1319758,1319905 51 26 216 0003,0005, 0006 000 151 07 40,- 08 40,- 09 40,- 18 40 21477606,3099589	0 001 231 002,004-007,009,011-013, 016,023,026-030,033-036, 038-041,045,046,119,133,146 0 001 241 001,003,005-009,012, 014-016,018-021, 023,024,026,119,128 F 002 G20 786 EV(R) 24V 4.0 kW HE95-M 24V(R) HEF95-L 24V(R) DAF 1516660R, 1516694R, 1516696R, 1516786R, 1633811, 1725900, 1735788, 1739935, 1739936 IVECO 500325317,504036695 KHD 118 0999,-1101,-2235 MAN 51 26201 7157,-7183,-7193, 51 26201 7213,-7222,-7223, 51 26201 7228,-7239,-7512 MB 004 151 84 01 005 151 20 01 007 151 02 01 Renault 50 10 306 413, 50 10 508 443 Scania 1447911
			brush set: BSX 216-217	
			Replacement for old model 7 7199 1 Replacement for 7 7242 1	





IKA-No.	Original	References	Unit-Nos.
	7 7243 1	<p>Bosch</p> <p>6 033 AD0 166,370,374 6 033 AD3 022,042,058,187 6 033 AD3 262,267,290-292, 6 033 AD3 327-329 Stator Frame: 6 033 AD0 167,270,244 6 033 AD3 043,132-134, 6 033 AD3 149-151,191-193, 6 033 AD3 281,283</p> <p>John Deere</p> <p>RE 50 191 0 RE 50 881 5, RE 50 881 8</p> <p>Fendt IVECO KHD MB</p> <p>Renault</p> <p>brush set: BSX 224-225</p> <p>Replacement for old model 7 7210 1</p>	<p>0 001 230 001-010,012,014,018, 020-024,026,030</p> <p>F 002 G20 785 EV(R) 12V 3.0 kW HE95-M 12V(R) FIAT 47132888 John Deere AL 81 154 RE 50 081 9, RE 50 155 1, RE 50 322 6, RE 50 658 9 , RE 50 794 3 IVECO 4755109,500325146,500338952, 500389864,504031929,504036476, 504 059251,504108451 KHD 118 0928, -1570, -1976, -2179, 118 2233, -2388 MB 004 151 93 01 006 151 23 03 Renault 50 10 306 412 SAME 29619390 VW 07Z 911 023 A, -BX, -G IVECO TL 70,80,90,100 4.0 I Vertis 90V16,130V18 Renault JE 9,-11,-13,-15 210,260 Midlum 5.5/6.2 I VW Phaeton 5.0 TDI 4Motion Touareg 5.0 TDI</p>
		7 7245 1	<p>Bosch</p> <p>2 004 336 091,092,111,112 115,116,125,126,137 6 033 AD0 384 6 033 AD6 098 6 033 AD6 004 Kit Volvo 874354</p> <p>replacement for 7 7246 1 brush set: BSX 202-203</p>

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7280 1</b>	Bosch VW	1 004 336 453,514,867,891 03G 911 209 L,-N,-Q  limited stock  alternative product 7 7823 1	
	<b>7 7281 1</b>	Bosch Chrysler Porsche	1 004 336 434,451,828,980  limited stock  alternative product 7 7801 1	0 001 107 031,032 0 001 121 003 DB(R) 1.1 kW 04557 466 04672108AB 986 604 104 00 Boxster 2.5 1996-1999 Boxster 2.7/3.2 S 1999-2004
	<b>7 7285 1</b>	Bosch MB	1 004 336 564,633,768 001 151 57 14	0 001 108 403,404,409,410,441,442 DW(R) 1.4 kW R70-L25,-L35 12V(R) 006 151 05 01 006 151 37 01 948 604 208 00
	<b>7 7286 1</b>	Bosch	1 004 336 588,796	0 001 115 035 R74-E25,-35 12V(R) Lombardini 5840 224 0
	<b>7 7288 1</b>	Bosch  FIAT  MB VW	1 004 336 518,532,548,575,594, 599,601,618,654,709, 725,726,872,894  1 004 338 163 F 002 G20 430  773 641 02 773 642 66 776 676 26  001 151 36 14 02B 911 209 E  Replacement for: 7 7228 1	0 001 109 057,058,068,202,203,205,250, 258-261,288-290,302-305,313, 319,320,324,325,328,329,334, 335,387,388,391,392,409,410, 427-430  0 001 110 071,072 0 001 125 055,056,519-522,607-610,621,622 625,626  6 004 AA3 014 F 000 AL0 115,130,133,135-142,154 F 002 G20 292,359,385,618,622,795 F 004 A94 002 DB/DW(R) 12V 1.7-2.2 kw R78-M10,M28,-M45,-M55 12V (R) RF78-M10,28,45 12V(R) RF78-S28 12V (R) BMW 12 41 1 729 981,982 12 41 4 457 944 12 41 7 508 634-637 12 41 7 515 784,785 12 41 7 537 490,491,513-515 12 41 7 610 346,347,353,354  FIAT 519 843 58 IVECO 5801440013 John Deere RE 50 892 2 MB 005 151 13 01 005 151 66 01 Opel 93176034

	IKA-No.	Original	References	Unit-Nos.
	7 7290 1	Bosch VW	1 004 336 520,557,650, 758,897 02M 911 209	0 001 115 042 123 012-015,018-021, 026-029,038,039 DB(L) 1.7 kW R74-E20 12V(L) RF74-E25,-E45 12V(L) VW Overload Protection Starters 02M 911 023 P,-PX 02M 911 024, -X 02N 911 023 N 02T 911 024,-X 02Z 911 023 F,-FX,-L, -LX,-N,-NX 0AH 911 023 B,-BX
	7 7291 1	Bosch FIAT Suzuki Toyota	1 004 336 609,645 1 004 337 153 77365287 31173-86L00 28140-0X040  with 4 brushes field coil connector 40 mm  new model with 6 brushes see 7 7549 1	0 001 138 005,006,011,012,029,030, 037-040,043,044,049,050, 063,064 DW(R) 1.7 kW S74-L 12V(R) Start/Stop Starters 1st Serie 12 41 7 610 342,349 12 41 7 626 546,547 12 41 7 802 945 12 41 7 803 514 12 41 7 812 070 12 41 7 823 314,315 51810307,55226844 BS51-11000-BA, 1726350 1202203,55570445 31100-86L00-000 28100-0X040 Alfa MiTo 1.3 JTD,-JTDM FIAT Cinquecento 1.3 MJTD Punto Evo 1.3 JTD Ford Ka 1.3 TDCi Lancia Musa 1.3 Multijet Ypsilon 1.3 Multijet 16V Mini Cooper D,-Cabrio,-Clubman,-Clubvan -Countryman/Paceman,-ALL4 Mini Cooper SD,-Cabrio,-Clubman,-Countryman,-Coupe -Paceman,-ALL4,-Roadster Mini One D, -Clubman,-Countryman Opel Astra/Corsa 1.3 CDTI Suzuki Swift 1.3 DDiS Diesel Turbo Hatchback  Diesel models 2009-2015
	7 7292 1	Bosch	1 004 336 614,648 1 004 337 154  with 4 brushes field coil connector 60 mm  new model with 6 brushes see 7 7549 1	0 001 138 003,004,047,048,053,054 DW(R) 1.7 kW S74-L 12V(R) Mini Start/Stop Starters 1st Serie BMW 12 41 7 552 697 12 41 7 567 788 12 41 7 589 354,355 12 41 7 616 689,698 12 41 7 617 216 12 41 7 631 025,054 Mini Cooper,-Cabrio,-Clubman,-Clubvan -Countryman,-ALL4,-Coupe -Paceman,-ALL4,-Roadster Mini Cooper S,-Cabrio,-Clubman,-Countryman -Coupe,-Paceman,-ALL4 -Roadster Mini One, -Cabrio,-Clubman,-Clubvan -Countryman John Cooper Works,-Cabrio,-Clubman -Countryman,-ALL4,-Coupe,-GP -Paceman ALL4,-Roadster  Gasoline models 2009-2015

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7293 1</b>	Bosch FIAT MB	1 004 336 511,536,712,727,888 9949601 001 151 54 14	0 001 108 157,190,196,202,204, 208,209,211,212,217, 218,224,230,231,234-236, 239,240,245,247, 460-463 F 026 T02 002 DW(R) 12V 1.4/1.8 kW R74-L40,45,55 F 026 T02 002 12 41 7 501 668,-738 12 41 7 505 979 12 41 7 525 293,-294 12 41 7 536 690,-691 12 41 7 537 513,514 12 41 7 610 344,345,351 46823543, 46830212 51782321, 51832954 55192482, 55195211 60817002 000 151 02 01 005 151 74 01 93175890
	<b>7 7314 1</b>	Bosch  Kit	1 001 329 900 1 004 336 025,028,029,034, 055  with additional positive brushes 2 x BS 75	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 EB(L) 12V 08./0.95 kW EB(R) 12V 0.7/0.8/0.95 kW EF(L) 12V 0.7/0.8/0.95 kW EF(R) 12V 0.8/0.85 kW
	<b>7 7315 1</b>	Bosch  Kit	2 004 336 027,041,099  with additional positive brushes 2 x BS 139	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413,414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW
	<b>7 7316 1</b>	Bosch  Kit	2 004 336 027,041,099  with additional positive brushes 2 x BS 143	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 9 000 143 203,204,408,411,413, 9 000 143 414,420 IF/JF(L) 12V 1.9/2.4 kW IF/JF(R) 12V 1.9-2.7kW

IKA-No.	Original	References	Unit-Nos.
7 7317 1	Bosch	1 004 336 009,027,033,036, 1 004 336 040,046,057 1 007 010 027	0 001 207 003,005,009,015,018 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, 032,034,036-038,042,043,045-049 315 005 EF(L/R) 6 V 0,5 kW EF(L/R) 12V 0.8 kW GB(L/R) 12V 1.5 kW GF(L/R) 12V 1.0-1.6 kW
	Kit	with additional positive brushes 2 x BS 104  replacement for 7 7318 1	
7 7319 1	Bosch	2 004 336 028,044,067	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 0 001 369 001-006,012-018,020-024 9 000 143 410,412,415,416,419 IF/JF(R) 12V 3.0/3.1 kW
	Kit	with additional positive brushes 2 x BS 164	
7 7320 1	Bosch	2 004 336 031,046	0 001 368 001,002,004-007,009, 010,012-014,016,018-022 024,027-031,034-041 047,049,050,052,055-060 062,063,068-073,076,077 077,079,081,082,085,086 088,300,301,303,305-307 309-313,315-317,319-321 9 000 143 600-604 IF/JF(R) 24V 4.0 kW
	Kit	with additional positive brushes 2 x BS 145	
7 7337 1	Bosch	2 004 336 085,087	0 001 372 001,004 IE/JE(R) 24V 6.2 kW
	Kit	with additional positive brushes 2 x BS 171	
7 7338 1	Bosch	2 004 336 066,086	0 001 364 300,301,400,402 0 001 372 002,003,005-008 ID(R) 24V 4.8 kW IF(R) 24V 5.2 kW IE(R) 24V 6.2 kW
	Kit	with additional positive brushes 2 x BS 171	

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7501 1</b>	Bosch	2 004 336 093,110,113,114,117, 2 004 336 127,128,259 with thermo protection  Brush Set BSX 202-203	0 001 330 016,501 33E 101 33F 102 0 001 340 501-505 34B B01,H01 34F 705,801,802 HEF109-M,MP 24V(R) 6.0 kw HEP109-M,MP 24V(R) 8.4 kw Komatsu 600-813-7542 JW 460867,482541,587989 Liebherr 101 205 41,104 54 907 371 105 567,471 103 467 MTU X52 417 200 001
	<b>7 7504 1</b>	Bosch  FIAT  MB	1 004 336 513,522,553,584, 591,663,677,678, 754,792,798,876, 890,899  773 637 02 773 654 51  001 151 59 14  Replacement for 7 7225 1	0 001 115 008,021,025,040,041, 045-048,078-081,114,115 0 001 123 002,003,024,025 DB(R) 12V 1.7 kW RF74-E25,E35 12V (R) Overload Protection Starters BMW 12 41 7 794 952 FIAT 51832949, 51984357 551 9521 10 MB 006 151 16 01,- 25 01 006 151 74 01 Porsche 955 604 107 00,-010,-011 VW 012 911 023 E,-F,G,-GX,-H,-HX FIAT Ducato MB A160/170 <2004 C 200/220 CDI VW Touareg 3.6 FSI
	<b>7 7505 1</b>	Bosch VW	1 004 336 640,664 057 911 209 H	0 001 115 056,057,082-085, 103-105,110,111 R74-E35,45 12V (R) VW Overload Protection Starters 03L 911 021,-C,-CX,-F,-FX,-H,-HX,-X 3R0 911 023 A,-B Audi A4 2.0 TDI,-Avant,-Avant quattro,-quattro A4 2.0i TFSI A4 Allroad 2.0 TDI A5 2.0 TDI Cabriolet,-quattro,-Coupe,-quattro A5 2.0 TDI Sportback,-quattro A6 2.0 TDI,-Avant A8 6.3 FSI quattro Q5 2.0 TDI,-quattro Q5 2.0 TFSI quattro
	<b>7 7506 1</b>	Bosch  MB	1 004 336 589,598,604,606,641, 1 004 336 669 001 151 56 14 001 151 63 14  Replacement for 7 7516 1	0 001 115 005,006,049-054,070-077, 088,089,092,093,096-101, 106-109 R74-E25,35 12V (R) Overload Protection Starters 04801516AA 9675092580 AC1T-11000-AA CC1T-11000-AA,-AB 1740947, 1741087 000 906 02 02,- 24 02 005 151 01 01 006 151 41 01,-44 01,-61 01,-62 01 006 151 74 01,-75 01,-98 01,-99 01 112 151 00 01 636 151 02 01,-02 02 906 906 11 00 96 705 92580 Chrysler 300C 3.0 CRD,-Touring Jeep Commander 3.0 CRD 4x4 Ford Transit Custom FT 25,-27,-29,-30,-31,-33 2.2 TDCi Euroline 2.2 TDCi FT 260,-280,-300,-310,-330,-350 2.2TDCi FT 370,-410,-430,-460,-470 2.2 TDCi FT 370,-410,-430,-460,-470 2.2 TDCi Nugget/Tourneo 2.2 TDCi MB C,-CL,-CLK,-CLS-E,-G,-GL,-ML,-R,-S,-SL,-SLR

IKA-No.	Original	References	Unit-Nos.
			BlueTec,-Cabrio,-Coupe,-Roadster,-T-model Sprinter 209,211,213,215,218,219 CDI 309,311,313,315,318,319 CDI 411,415,418,419,509,511,515,518,519 Viano CDI 3.0 Vito 120, 122 CDI



<b>7 7507 1</b>	Bosch	2 004 336 095,100,123 0399 D57 009 Stator Frame: 2 007 010 173,174,183* 1954639* Kit	0 001 261 001-008,011-014,016-018, 020-037,041,044-047, 049-055,059,060-062, 069-072
	DAF		0 001 263 001-004,007-020,047-054, 501-506
		Brush Set BSX 241-242	0 399 504 001-003,005-007,011-013, 016,017,026-029 HX95-M 24V (R) HXF95-L 24V (R) Overload Protection Starters DAF 1704911,1826120,1826121, 1843852,1854008,1866891, 1867369,1956090-6092 2015153,2015154 IVECO 504385577,5801986196 Leyland AELF405 MB 006 151 22 01 Renault 74 20 723 977 Scania 0579261,1796026, 2031368,2148650,2276131







<b>7 7508 1</b>	Bosch Toyota	1 004 336 583,634,791 28140-0D130	0 001 107 433,434,440,441,448,449, 514,529-531 9 001 107 434 F 004 A94 434,441,449 R70-M25 12V (R) 28100-0D030 28100-0N010 28100-0T030,-C 28100-0T090,-091 Toyota Auris,Avensis,Corolla,Verso,Yaris 1.4-2.0 I
-----------------	-----------------	--------------------------------------	---






<b>7 7509 1</b>	Bosch FIAT PSA	1 004 336 530,631,707 773 632 37 5825 F5	0 001 108 400,411,412,444 R70-L25,35 12V (R) Ford 6G9N-11000-CC,-CD Opel 93169309 PSA 5802 W5 96 253 825 96 481 11680 Citroen,FIAT,Lancia,Peugeot,Volvo
-----------------	----------------------	--	--



IKA-No.	Original	References	Unit-Nos.
7 7511 1	Bosch FIAT	1 004 336 529,587,795,797 773 654 50 773 639 14	0 001 107 108-113 R74-M40,60 12V(R) FIAT 51776205,51832956 Opel 55351638,93176061 Astra,Zafira 2.0(i) Turbo
7 7514 1	Bosch VW	1 004 336 572,782 078 911 209 B	0 001 108 220,221 DW(R) 12V 1.4 kW R74-L45 12V (R) 078 911 023 D Audi,Skoda,VW
7 7515 1	Bosch MB	1 004 336 566,638,770 001 151 42 14	0 001 108 213,214,222,223 R74-L45 12V (R) 006 151 06 01 006 151 10 01
7 7517 1	Bosch VW	1 004 336 535,560,662, 724,761 03G 911 209 D	0 001 115 031,032 R74-E25 12V (R) Overload Protection Starters VW 07C 911 023 E, -EX Phaeton 6.0 4Motion
7 7518 1	Bosch Opel	1 004 336 395,585,721,793,874 9198650	0 001 115 015,020,039 DW(R) 12V 1.7 kw R74-E25 12V (R) Opel 9007007,9200890 93172020 Signum 3.2 V6 <2005 Vectra 2.6 V6,-Caravan <2005 3.2i,-Caravan,-GTS




IKA-No.	Original	References	Unit-Nos.
	7 7519 1	Bosch 1 004 336 577,786	0 001 107 107 R74-M20 12V (L) Lombardini 5840 218 0
	7 7520 1	Bosch 1 004 336 517,556,581,603,611, 623,666,757,895  FIAT Suzuki  VW	0 001 109 267-270,306,307,321,322, 330,331,336,337,342,343, 1 004 338 157 776 637 04 31173-79J00 31173-T79J0 03G 911 209 K 070 911 209 R78-M45,55 12V (R) IVECO 504201467 69502571 Porsche 948 604 106 00 VW 070 911 023 B,-BX
	7 7522 1	Bosch 1 004 336 658 1 004 337 173 MB 001 151 65 14	0 001 122 201,202 DB 006 151 63 01 RF74-L65 24V (R) 1.4 kw MB G 300 CDI
	7 7523 1	Bosch 1 004 336 580,600,607,789 0 399 D77 021 MB 001 151 64 14 Toyota 28140-0Q020	0 001 107 406,438,439,459-462,538-540 0 399 708 098,099 DW(R) 12V 1.1 kw R70-M10,-M35,-M45 12V(R) 006 151 39 01 006 151 59 01 006 151 60 01 636 151 03 01 28100-0Q021 MB C 230-C 350, CL 500 Coupe CLK 280/350/500 Cabrio,-Coupe E 250 - E350, E500,-Cabrio,-Coupe GLK 280/300/350 4Matic S 280 - S 500 SL 280 - 500, SLK 280 - 350 Toyota Aygo 1.0





IKA-No.	Original	References	Unit-Nos.
7 7529 1	Bosch MB	1 004 336 612,649 1 004 337 145 001 151 67 14	0 001 139 001,002,005,006,011-016, 025,026,047,048,067,068, 083,084 0 399 703 044,045 F 000 AL0 160 F 002 G20 862 F 002 G70 013 S78-M 12V(R) 2.2 kw S78-M10,-45,-55 12V(R) Start/Stop Starters BMW 12 41 7 798 006 12 41 7 812 034,070 12 41 7 823 700,701 Chrysler 04801871AB MB 646 906 00 00 Ferrari 243595, 248743,297969 FIAT 51810267 Ford EC35-11001-BA Porsche 948 604 210 00
7 7530 1	Bosch	1 004 336 672 new model: 7 7548 1	0 001 115 068,069 R74-E35 12V(R) BMW 12 41 7 801 203 12 41 7 811 601 12 41 8 511 746 12 41 8 519 153 12 41 8 570 382 116 d 118 d,-Cabrio,-Coupe 120 d,-Cabrio,-Coupe 123 d,-Cabrio,-Coupe 316 d 318 d,-Touring 320 d,-Cabrio,-Coupe,-xDrive,-Touring,-xDrive 320 d xDrive 330 d,-Cabrio,-Coupe,-Touring 330 d xDrive 520 d,-Touring 530 d GT 730 d,-Ld 740 d X1 sDrive 18 d/20 d/23 d X3 2.0 d X3 xDrive 18 d/ 20d X5 xDrive 30 d/ 40 d X6 xDrive 30 d/ 40 d Diesel models 2007-2014
7 7531 1	Bosch Toyota	F 000 AL1 934 28130-0C060 28140-0C060	F 000 AL0 110 F 004 A94 007 R74-L75 12V (R) 28100-0C060 Toyota Fortuner 2.7i 4WD Hilux 2.5 16V DTurbo Hilux 2.7 16V,-4x4 Hilux Vigo 2.7 4WD




IKA-No.	Original	References	Unit-Nos.
7 7533 1	Bosch	2 004 336 090,094,096,097 2 007 010 157 Kit 2 007 010 158 Kit 2 007 010 175 Kit 2 007 010 184 Kit  Brush Set: BSX 222-223  replacement for 7 7244 1 and 7 7503 1	0 001 260 001-004,025,026 262 001-008,019-022,029-034 HX95-L,-M 12V(R) 4.0 kw John Deere RE 52 637 5 RE 52 740 0 IVECO 504357109,110 5801441814 MB 006 151 23 01 SAME 29619562 VW 05A 911 023,-B,-C
			
7 7534 1	Bosch VW	1 004 336 699 059 911 209 F	0 001 139 017-020,075,076 S78-M 12V(R) VW 059 911 021 F,-FX 03L 911 021 E,-EX,-G,-GX Audi Start/Stop Overload Protection Starters A4 2.0 TDI,-Avant,-quattro A4 Allroad 2.0 TDI A5 2.0 TDI Cabriolet,-Coupe,-quattro,-Sportback A6 2.0 TDI,-Avant Q5 2.0 TDI quattro
			
7 7536 1	Bosch FIAT Suzuki	1 004 336 674,695 1 004 337 156,160 773 651 21 31173-T62MA0-000 31173-62MA0-00	0 001 136 002,003,005-008 137 001-006,011,012 138 001,002,009,010,017-020,045,046, 051,052,055,056,069-072 S74-L/M/S 12V(R) Start/Stop Overload Protection Starters BMW 12 41 7 550 975 12 41 7 567 788 12 41 7 589 350,352-356 610 342,349 FIAT 518 047 44, 518 103 08, 518 293 80, 518 739 26 Ford BS51-11000-AA, 1715776 Hyundai 36100-2B300-302 Nissan 23300-1073R,-7223R Opel 55572440 Renault 23 30 010 73R 23 30 059 51R 23 30 061 24R Suzuki 31100-62MA0 VW 06E 911 021 D,-DX,-F,-FX Alfa Giulietta 1.4 TB,-JTDM MiTo 0.9 ie,- 1.4,-1.6 JTD Audi A4 3.0 FSI Cabriolet quattro A4 3.0 TFSI Avant quattro,-quattro A5 3.0 TFSI Cabriolet,-Coupe quattro, Sportback,-quattro A6 2.8 FSI,-Avant,-Avant quattro,-quattro A6 3.0 TFSI Avant quattro,-quattro A6 Allroad 3.0 TFSI A7 2.8 FSI Sportback A7 3.0 TFSI Avant quattro,-Sportback quattro A8 3.0 TFSI quattro Q5 3.0 TFSI quattro S4 3.0 TFSI Avant quattro,-quattro S5 3.0 TFSI Cabriolet,-Coupe quattro, Sportback quattro SQ5 3.0 TFSI quattro BMW 116i,-118i,-Cabrio,-120i,-Cabrio 316i,-Coipe,-Touring 318i,-Cabrio,-Coupe,-Touring 320i,-Cabrio,-Coupe,-Touring Chevrolet Aveo 1.2/1.4 -Hatchback Cruze 1.4,-Turbo,-Station Wagon Orlando 1.4 Turbo Trax 1.4 Turbo AWD FIAT Bravo1.4, Doblo1.4/1.6 Multijet Doblo Cargo 1.6 Multijet Grande Punto 1.2/1.4 Idea 1.4,Panda 0.9,Punto 0.9/1.4 Panda 0.9,-4x4,-Natural Power Punto 0.9 TwinAir Punto Evo 1.6 Multijet 500 0.9/1.2/1.4/1.6 Multijet,-TwinAir
			

IKA-No.	Original	References	Unit-Nos.
			500C 0.9 TwinAir 500L 0.9,-Natural Power 500L/500X 1.6 Multijet Hyundai i20 1.4, i30 1.4/ 1.6, i40 1.6 ix20 1.4/1.6, ix35 1.6 GDI Veloster 1.6 GDI Jeep Renegade 1.6 Multijet KIA Cee'd 1.4/1.6,-Sporty Wagon Pro Cee'd 1.4/1.6 Rio 1.4,- Hatchback Soul 1.6 GDI, -CVVT Sportage 1.6 GDI Venga 1.4/1.6 Lancia Musa 1.6 Multijet Ypsilon 0.9,-Natural Power Opel Adam 1.2, 1.4,-LPG Astra 1.4 GTC,-Turbo GTDC,-Limousine 1.4i,-Turbo,-Sports Tourer Cascada 1.4 Turbo Combo 1.6 Corsa 1.2 Twinport, 1.4 Twinport,-Turbo Insignia 1.4 Turbo Meriva 1.4 Ecotec,-ecoFLEX,-Turbo Mokka 1.4 Turbo ecoFLEX,-4x4 Zafira 1.4 Turbo Renault Captur 1.5 dCi Clio IV 1.5 dCi,-Grandtour Suzuki SX4 S-Cross 1.6 DDiS,-4WD
7 7537 1	Bosch VW	1 004 337 006,077,161 03G 911 209 E	0 001 153 001,002,005-010,015,016 SF74-E+ 12V(L) VW 02E 911 024 C,-CX 02M 911 021 A,-AX 02M 911 024 C,-CX 02Z 911 024 H,-HX 07M 911 024 A 0AM 911 023 G,-GX VW-Family Start/Stop Starters Audi A1 1.6/2.0 TDI,-Sportback A3 1.6/2.0 TDI,-Cabrio,-Sportback,-quattro Q3 2.0 TDI,-quattro SEAT Alhambra 2.0 TDI,-4Drive Altea 1.6/2.0 TDI,-Freetrack,-XL 1.6 TDI Ibiza/SC /ST 1.2/1.4/1.6/2.0 TDI Leon 1.6/2.0 TDI,SC/ST 1.6 TDI Leon Cupra /WST Cupra 2.0 TSI Toledo 1.6 TDI, 1.4 TSI >05/2015 Skoda Fabia 1.2/1.4/1.6 TDI,-Combi Octavia 1.2 TSI,-1.6 TDI,-Combi,-4x4 Praktik 1.2/1.6 TDI,-Combi Rapid 1.6 TDI,-Spaceback Roomster 1.2/1.6 TDI Superb 1.4 TSI,-Combi, 2.0 TSI Superb 1.6/2.0 TDI,-Combi,-4x4 Superb 3.6 V6 4x4,-Combi Yeti 1.6/2.0 TDI VW Beetle 1.6/2.0 TDI,-Cabrio Caddy 1.6/2.0 TDI,-4Motion California T5/T6 2.0TD Caravelle T5/T6 2.0 TDI Crafter 30/35/50 2.0 TDI >2016 CC 2.0 TDI,-4Motion Eos 2.0 TDI Golf Plus 1.6/2.0 TDI Golf VI 1.6/2.0 TDI,-Cabrio,Variant,-4Motion Jetta 1.2 TSI, 1.6 TDI Multivan T5/T6 2.0 TDI Passat 1.6/2.0 TDI,-CC,-4Motion,-Variant,-Alltrack Polo 1.2/1.6 TDI Scirocco 2.0 TDI Sharan 2.0 TDI,-4Motion Tiguan 2.0 TDI/TSI,-4Motion Touran 1.6/2.0 TDI Transporter T5/T6 2.0 T,- TDI,-4Motion latest models





	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7538 1</b>	Bosch	1 004 336 681	0 001 145 001,002 SF78-M 12V (L) VW 02Z 911 023 S,-SX 2X0 911 023 Audi Start/Stop Overload Protection Starters A1 1.6 TDI,-Sportback >05/2010 A3 1.6 TDI,-Cabriolet,-Sportback >05/2009
	<b>7 7539 1</b>	Bosch	1 004 337 013,029,042	0 001 148 003,004,009,010, 015,016,023,024 S74-E+ 12V(R) Start/Stop Starters BMW 12 41 7 838 020 12 41 7 843 526,530 12 41 8 506 657 12 41 8 509 198 12 41 8 515 795 12 41 8 519 154 12 41 8 570 383 GM 55572065 Opel 1202216 BMW 116d (2009-2011) /118d,-Cabrio,-Coupe (2007-2013) 120d/123d,-Cabrio,-Coupe (2007-2013) 316d,-Touring (2009-2012) /318d,-Touring (2007-2012) 320d,-Cabrio,-Coupe,-xDrive,-EfficientDynamics 320d Touring,-EfficientDynamics,-xDrive (2007-2013) 325d,-Cabrio,-Coupe,-Touring (2010-2013) 330d,-Cabrio,-Coupe,-Touring,-xDrive (2008-2013) 520d,-EfficientDynamics,-GT,-Touring >2010 525d,-Touring,-xDrive >2010 530d,-GT,-xDrive,-Touring (2010-2012) 535d,-GT,-xDrive,-Touring (2010-2012) 730d,-Ld (2008-2012) 740d,-xDrive (2009-2012) M3 Cabrio,-Coupe X1 sDrive 16d,-18d,-20d,-EfficientDynamics X1 xDrive 18d,-20d,-23d,-25d (2009-2015) X3 sDrive 18d (2012-2014) X3 xDrive 18d,-20d,-30d (2008-2011) Chevrolet Malibu 2.0 CDRi Opel Astra 2.0 CDTI,-Sports Tourer >2009 Astra 2.0 GTC >2011 Cascada 2.0 CDTI >2013 Insignia 2.0 CDTI,-4x4,-Sports Tourer,-4x4 >2009 Zafira 2.0 CDTI >2012
	<b>7 7540 1</b>	Bosch VW	1 004 337 012 03G 911 209 H	0 001 142 001-004 0 399 703 051,052 SF74-L 12V(L) VW Start/Stop Starters VW 02T 911 024 J,-JX 02Z 911 023 R,-RX Audi A1 1.2 TFSI A1 1.4 TFSI,-Sportback A3 1.2/1.4 TFSI,-Cabriolet,-Sportback SEAT Altea 1.4 TSI,-XL 1.4 TSI Altea Freetrack 1.4 TSI Ibiza 1.2 TSI,-SC 1.2 TSI,-ST 1.2 TSI Leon 1.4/1.8 TSI >11/2007 Toledo 1.2 TSI Skoda Fabia 1.2,-Combi Praktik 1.2,- TSI Rapid 1.2 TSI,-Spaceback Roomster 1.2 TSI Superb 1.4 TSI,-Combi >04/2008 Yeti 1.4 TSI >06/2010 VW Eos 1.4 TSI Golf VI 1.4 TSI >10/2008 Passat 1.4 TSI,-EcoFuel,-Variant Passat 2.0 TDI,-Variant Polo 1.2,-TSI >06/2009 Scirocco 1.4 TSI

IKA-No.	Original	References	Unit-Nos.
7 7541 1	Bosch VW	1 004 337 019 03G 911 209 J	0 001 139 041,042,073,074 S78-M 12V(R) 2.2 kw VW 059 911 021 G,-GX,-K,-KX Start/Stop Overload Protection Starters A4 3.0 TDI Avant quattro,-quattro A4 Allroad 3.0 TDI A5 3.0 TDI Cabrio,-Coupe,-Coupe quattro A5 3.0 TDI Sportback,-quattro A6 3.0 TDI,-Avant,-Avant quattro,-quattro A6 Allroad 3.0 TDI A7 3.0 TDI Sportback,-quattro A8 3.0 TDI quattro Q5 3.0 TDI quattro SQ5 3.0 TDI quattro models >2012 Porsche Macan 3.0 Diesel S >2014
			
7 7542 1	Bosch  MB VW	1 004 336 565,595,602,615, 657,769 1 004 337 022,140,150 001 151 41 14 057 911 209 J 06E 911 209  replacement for 7 7236 1 and 7 7510 1	0 001 108 405,406,408,415,416, 428-431,445,446,466,467 F 000 AL0 901 R70-L25 12V(R) Overload Protection Starters Ford 4M5T-11000-CA,-CB 1344589,1570611 MB 906 906 00 26 Porsche 9586 041 110 00 Renault 82 00 741 476 VW 06E 911 023 B,-BX,-C,-CX, 06E 911 023 E,-EX,-F 079 911 021 B,-BX,-C,D,-DX,-G Audi A4,A6,A8 3.2 FSI >2005 A7,A8,Q7,RS,S 3.0/4.0/4.2 TFSI Ford Focus 1.6i,-Ti,-Ti-VCT >12/2007 Porsche Cayenne 3.0 S
			
7 7543 1	Bosch	1 004 336 698	0 001 138 013,014,067,068 S74-L 12V(R) VW 06H 911 021,-X,-D,-DX Audi Start/Stop Starters A4 1.8 TFSI,-Avant A4 2.0 TFSI Avant,Avant-quattro,-quattro A4 2.0 TFSI Avant flexible,-flexible A4 Allroad 2.0 TFSI A5 2.0 TFSI Cabrio,-Coupe,-Sportback,-quattro Q5 2.0 TFSI quattro Porsche Macan 2.0 >09/2014
			
7 7544 1	Bosch MB	1 004 337 002 001 151 71 14	0 001 139 029,030,071,072,408,409 S78-M 12V (R) MB 000 906 23 02 651 906 00 00 651 906 31 00 MB Start/Stop Starters Sprinter, Viano, Vito 2.0 CDI
			

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7545 1</b>	Bosch	1 004 337 005	0 001 139 021,022,037,038 S78-M 12V (R) Porsche Start/Stop Starters 986 604 210 01 986 604 214 00 Cayenne 4.8 GTS,-S,-Turbo,-Turbo S Panamera 3.0 Hybrid,-S,-S4,-S Executive 4 3.6 , 3.6 4 4.8 S,-4S,-GTS,-Turbo,-S
	<b>7 7546 1</b>	Bosch	1 004 337 034,047,050,144  limited stock  alternative product 7 7541 1	0 001 139 045,046,049,050,053,054 S78-M 12V(R) VW 059 911 021 H,-HX,-J,-JX 07L 911 021,-X Audi Overload Protection Start/Stop Starters A8 6.3 FSI quattro >2011
	<b>7 7547 1</b>	Bosch  FIAT  VW	1 004 338 102,147,176,182 0 399 D77 102 773 673 53 773 673 54 03G 911 205	0 001 177 000-017,400,401 S/CF70-M 12V(L) FIAT 519 402 40 FIAT 519 756 78 VW 02E 911 024 N,-NX 02M 911 021H,-HX 02M 911 024R,-RX 02Z 911 024F,-FX 0AH 911 023H,-HX Audi A1 1.4 TFSI,-Sportback >11/2014 A3 1.2 TFSI,-Limousine,-Sportback >2013/2014 A3 1.4 TFSI,-Cabriolet,-Limousine,-Sportback A3 1.8 TFSI,-Cabriolet,-Limousine,-Sportback,-quattro Q3 1.4 TFSI >2014 S3 2.0 TFSI Limousine,-Sportback,-quattro >2013 FIAT 500X 1.6 E-torQ > 11/2014 Jeep Renegade 1.6 E-torQ > 07/2014 SEAT Ibiza 1.0/1.2 TSI >05/2015 Ibiza SC 1.0/1.2 TSI, -ST 1.0/1.2 >2015 Leon 1.2/1.4/1.8 TSI,- 1.6 TDI >2013 Leon Cupra 2.0 TSI >10/2013 Leon SC 1.2/1.4/1.8 TSI,- 1.6 TDI >2013 Leon SC Cupra 2.0 TS >2014 Leon ST 1.2/1.4/1.8 TSI,- 1.6 TDI >2013 Leon ST Cupra 2.0 TS >2014 Mii 1.0 >10/2011 Toledo 1.2 TSI, -1.6 >05/2015 Skoda Citigo 1.0,-G-Tec > 10/2011 Fabia 1.0 MPI,-Combi, 1.6 MPI >2014 Octavia 1.2/1.4/1.6 TSI,-Combi >2012 Octavia 1.6,-Combi >2014 Rapid 1.4/1.6 i >2012 Superb 1.2/1.6 TSI,-Spaceback >05/2015 Superb 1.4/1.8 TSI,-Combi >2014 VW Beetle 1.4/2.0 TSI,-Cabriolet >2014 Caddy 1.6 California T6 2.0 TFSI >2015 Caravelle T6 2.0 TFS >2015 Fox 1.0 Bluemotion (2013-2015) Gol VI 1.6 Rallye Flex,-I-Motion Flex >2014 Golf 1.0 TSI >10/2016 Golf Sportsvan 1.2/1.4 TSI,-1.6 >2014 Golf VII 1.2/1.4,-TSI,-Variant, -1.6,-Variant >2013/2014 Gran Lavida Hatchback 1.6i >2013 Jetta 1.4/1.6i,-TSI, -2.0 TSI >2012 Lamando 1.8 T >08/2014 Multivan T6 2.0 TFSI >2015 New Santana 1.4 i >08/2012 Passat 1.8 TFSI,-Variant >2015 Polo 1.0,-TSI, -1.2 TSI, -1.6 Sedan, -2.0 WRC >2014 Saveiro V 1.6 16V Cross Flex 04/2014 Tiguan 1.4 TSI,-4-Motion >2016 Transporter T6 2.0 TFSI >04/2015 up! 1.0 EcuFuel,-Flex >2011



IKA-No.	Original	References	Unit-Nos.
	7 7548 1	Bosch 1 004 337 155 with 4 brushes  model with 6 brushes: 1 004 337 175 = 7 7551 1	0 001 148 019,020,025,026 029,030,033,034 S74-E+ 12V(R) BMW Start/Stop Starters 12 41 8 515 795,796 12 41 8 515 900 12 41 8 570 238,239 114d /116d,-EfficientDynamics /118d,-xDrive (2011-2015) 120d,-xDrive /125d (2011-2015) 218d /220d/225d Coupe (2014-2015) 316d,-Touring (2012-2015) 318d,-GT,-Touring,-xDrive (2012-2015) 320d,-Cabrio,-EfficientDynamics,-GT,-Touring,-xDrive (2010-2015) 325d,-Cabrio,-GT,-Touring >2013 330d,-Cabrio,-GT,-Touring,-xDrive >2012 335d xDrive,-GT,-Touring-xDrive >2013 420d Cabrio,-Coupe,-xDrive (2013-2015) 425d Cabrio,-Coupe (2014-2016) 430d Coupe,-xDrive >2013 435d Coupe xDrive >2013 520d,-EfficientDynamics,-GT,-Touring >2010 525d,-Touring,-xDrive >2011 530d,-GT,-Touring,-xDrive >2010 535d,-GT,-Touring,-xDrive >2010 640d Cabrio,-Coupe,GC,-xDrive >2011 730d,-Ld,-xDrive (2012-2015) 740d,-xDrive (2012-2015) 750d,-Ld,-xDrive (2012-2015) M550d,-Touring,-xDrive >2012 X 1 sDrive 16d,-18d,-20d,-EfficientDynamics X 1 xDrive 18d,-20d,-25d (2012-2015) X 3 sDrive 18d,-20d (2012-2014) X 3 xDrive 20d,-30d,-35d >2010 X 5 sDrive 25d,-30d,-40d >2013 X 5 xDrive 25d (2013-2015) X5M 50d >2013 X6M 50d >2012 X6 xDrive 30d,-40d >2014

	7 7549 1	Bosch 1 004 337 165 0 399 D77 054  successor product for 1 004 337 153 = 7 7291 1 1 004 337 154 = 7 7292 1  with 6 brushes instead of 4 brushes for longer life time	0 001 138 057-062 0 001 147 424,425 S74-L 12V (R) SL74-L 12V (R) BMW Start/Stop Starters 12 41 7 610 342,349 12 41 7 626 000,546,547 12 41 7 631 025,054 12 41 7 638 192-194,196 12 41 8 612 576 114i/116i/118i/120i,125i >2012 220i/228i Cabrio,-Coupe (2014-2016) 316i,-Touring /320i Efficient Dynamics (2012-2016) 320i/328i/335i -GT,-xDrive,-Touring, -Touring xDrive,-xDrive (2012-2015) 420i/428i/435i Cabrio,-Coupe,-xDrive, -Gran Coupe,-xDrive (2014-2016) 520i,-Touring >09/2011 523i Touring >09/2011 528i,-GT,-Touring,-xDrive >09/2011 535i,-Touring >2010 640i Cabrio,-Coupe >03/2011 ActiveHybrid 3 (2012-2015) M 135i,-xDrive (2012-2015) X 1 sDrive 16i/20i/28i (2011-2015) X3 xDrive 20i,-28i >09/2011 Z4 sDrive 20i,-28i >09/2011 gasoline models
--	----------	--	---

IKA-No. Original References Unit-Nos.

7 7550 1

Bosch

1 004 338 100,112,126,140,178  
0 399 D77 052,055,098

0 001 179 500-523,526,527,530,531,604,605

SCF70-SX 12V(L)

MB 270 906 12 00

VW 02E 911 024B,-BX

02M 911 021G,-GX

02M 911 024Q,-QX

02Z 911 022 C,-CX

02Z 911 024Q,-QX

0AH 911 023J

0AM 911 023N,-NX,-R,-RX

Audi A3 1.2/2.0 TFSI,-Cabrio,-Limousine, -Sportback,-quattro

A3 1.4,-TFSI,-Cabriolet, -Limousine, -Sportback

A3 1.8 FSI,- Limousine, -Sportback,-quattro

A3 1.8 TFSI,- Cabriolet, -Limousine, -Sportback

A3 2.0 TFSI Cabriolet

Q3 1.4 TFSI, -2.0 TFSI quattro

RSQ3 2.5 TFSI quattro

S3 2.0 TFSI, -Cabriolet, -Limousine, -Sportback

S3 2.0 TFSI quattro

MB GLA 200, GLA 220 4Matic

SEAT Ateca 1.0/1.4 TSI, 2.0 TFSI

Leon 1.2/1.4 TSI,-1.4 TSI ACT,-1.8 TSI

Leon SC 1.2/1.4 TSI,-1.4 TSI ACT,-1.8/2.0 TSI

Leon ST 1.2/1.4 TSI,-1.4 TSI ACT,-1.8 TSI

Leon ST 2.0 TDI,-4Drive

Leon Cupra, -SC Cupra,-ST Cupra 2.0 TSI

Mii 1.0 >10/2011

Toledo 1.6 TDI

Skoda Citigo 1.0, -G-Tec

Fabia 1.0 MPI, -Combi

Fabia 1.2 TSI, -Combi

Octavia 1.2 TSI,-Combi

Octavia 1.4i,- TSI,-Combi,-G-Tec

Octavia 1.6, -Combi

Octavia 1.8 TSI,-4x4,-Combi

Octavia 2.0 FSI Combi,-TSI RS

Rapid 1.2/1.4 TSI,-Spaceback

Superb 1.4/1.8 TSI,-Combi

Yeti 1.2/1.4 TSI

VW Arteon 2.0 TFSI,-4Motion

Beetle 1.2/1.4/2.0 TSI,-Cabrio

Caddy 1.4 TSI

CC 1.4 TSI

Golf Sportsvan 1.0/2.0 T, 1.2/1.4 TSI

Golf VI 1.4 TSI,-Cabrio, 1.6i, 2.0 GTI

Golf VII 1.0/1.2/1.4/1.5 TSI,-ACT,-Multifuel,-Variant

Golf VII 1.4 TGI,-Variant

Golf VII 2.0 GTI, -4Motion, -R-Line

Jetta 1.2/1.4 TSI

Lavida 1.4i

Magotan B7 1.8/2.0 T, 3.0i

New Passat 1.4 T

Passat 1.4 TSI,- 4Motion,-Variant

Passat 1.8 TFSI,-Variant

Polo 1.0/1.2/1.4, -TSI, -ACT

Polo 1.8 GTI

Sagitar 1.4 TSI/4V, 1.6i, 1.8/2.0 T

Scirocco 1.4/2.0 TSI




Tiguan 1.4 TSI, -4Motion



Touran 1.4 TSI /1.8 TFSI

up! 1.0 >12/2011









IKA-No.	Original	References	Unit-Nos.
7 7551 1	Bosch	1 004 337 175	0 001 148 508,509,514,515 SL74-E+ 12V(R)
		model with 4 brushes 1 004 337 155 = 7 7548 1	BMW 12 41 8 574 102,103 12 41 8 581 099 12 41 8 589 891 316 d,-Touring (2012-2015) 318 d,-Touring,-Touring xDrive (2012-2015) 320 d,-Touring,-EfficientDynamics,-xDrive (2012-2016) 330 d/335 d,-GT,-xDrive,-Touring,-xDrive >2012 418 d/420 d Gran Coupe,-xDrive (2014-2015) 430 d Cabrio,-Coupe,-Gran Coupe,-xDrive >2014 435 d Cabrio,-Coupe,-Gran Coupe,-xDrive >2013 518 d,-Touring (2013-2014) 520 d,-GT,-Touring,-xDrive >2010 525 d,-Touring,-xDrive >2011 530 d/535 d,-GT,-xDrive,-Touring,-xDrive >2011 640 d Cabrio,-xDrive,-Coupe,-xDrive >2011 640 d GC,-xDrive >2012 730 d/740 d/750 d,-xDrive (2012-2015) 730 Ld/740 Ld/750 Ld,-xDrive >2012 M 550 d Touring-xDrive >2012 X 3 xDrive 30/35d >04/2011 X 5 xDrive 30/35 >06/2014 Diesel models
7 7552 1	Bosch	1 004 338 113,117,125, 136,205 0 399 D77 108	0 001 170 400-403,406,407,410,411, 600,601,610,611,640,641
	FIAT	773 671 84	0 001 172 400-403,604,605 SC/SCL70-M/S 12V (R) 06L 911 021,-A,-AX,-B,-BX Audi A4 1.4 TFSI,-Avant A4 2.0 TFSI,-Avant g-tron,Avant quattro,-quattro A4 Allroad 2.0 TFSI A5 1.4 TFSI Coupe,-Sportback A5 2.0 TFSI Cabriolet,-Coupe,-quattro,-Sportback Q5 2.0 TFSI quattro Chrysler 56029 640AA FIAT 519 161 68,-69,-70 519 384 39 519 756 77 552 545 83 Ford 5S51-11000-AA,-BA 1881471 Opel 25194650,55572440, 55591492, 55591942,55592541 Alfa Giulietta 1.4 BiFuel,-1.4 TB, -TB 1.4 MiTo 1.3 JTD,-JTDM,-SDE MiTo 1.4,-i.e.,-16V Turbo,-Turbo Chevrolet Aveo 1.2,-Hatchback Aveo 1.3 D, -Hatchback Cruze 1.4 Turbo,-Hatchback Orlando 1.4 Turbo Trax 1.4 Turbo,-AWD FIAT 500 1.2/1.3 Multijet/1.4 500C 1.2/1.3 Multijet/1.4 500L 1.3 Multijet 500X 1.3 Multijet/1.4,-4x4,-MultiAir 4x4 Bravo 1.4, -Turbo Doblo,-Cargo 1.3 Multijet/1.4,-Natural Power Fiorino 1.3 Multijet Grande Punto 1.2/1.3 Multijet/1.4 Grande Punto 1.4 CNG,-LPG Idea 1.3 Multijet,-1.4 8V/16V Panda 1.3 Multijet,-MultiAir-Turbo,-4x4 Punto 1.2/1.4,-LPG,-Abarth,-SS,-MultiAir,-Turbo 1.3 Multijet Punto Evo 1.2/1.3 Multijet/1.4 8V,-16V,-Abarth Qubo 1.3 Multijet,-Hatchback,-Station Wagon Tipo 1.3 Multijet,- Hatchback,-Station Wagon 1.4 T-jet,-LPG,-Hatchback,-Station Wagon Ford Ka 1.2 Jeep Renegade 1.4/1.6-MultiAir,-4x4 Lancia Delta 1.4 BiFuel, -1.4i 16V Ypsilon 1.2,-BiFuel Opel Adam 1.2 /1.4,-LPG,-Turbo Astra 1.3 CDTI,-Limousine,-Sportstourer Astra 1.4 GTC,-Limousine,-Turbo GTC,

IKA-No.	Original	References	Unit-Nos.
			-Turbo Limousine Astra 1.4 i,-Limousine,-Sports Tourer,-Turbo, -Sports Tourer Cascada 1.4 Turbo Corsa 1.2,-Twinport Corsa 1.3,-CDTI Corsa 1.4,-Twinport.-Turbo Insignia Sports Tourer,-Turbo Meriva 1.3 CDTI Meriva 1.4,-ecoFlex,- Ecotec,-Turbo Mokka 1.4 Turbo ecoFlex Zafira 1.4 Turbo latest models
	<b>7 7553 1</b>	Bosch 1 004 336 697 1 004 337 149, 158,167,182 FIAT 773 679 91	0 001 139 023,024,031,032 0 001 149 418-421,432-435 S78-M/ SL78-M 12V (R) Chrysler 56029 626AA 56029 667AA,-AB,-AC FIAT 500 457 26, 500 515 13 500 531 67, 505 329 95 533 013 83 Ford CC1T-11000-DA,-DB,-DC,-EA,-EB 1740948, 1741089 1745176, 1745178 PSA 96 786 90180 Alfa Giulia 2.2 Multijet >02/2016 Ford Tourneo Custom 2.2 T (2012-2016) Transit Custom FT 250,270,290,300, FT 310,330 (2012-2016) Transit Euroline 2.2 TDCi (2011-2013) Transit FT 250,260,280,300 2.2 TDCi (2011-2013) FT 290,310,410,470 TDCi >2014 FT 330,350,370,430,460 TDCi >2011 Transit Nugget 2.2 TDCi (2011-2013) Transit Tourneo 2.2 TDCi (2011-2013) Jeep Cherokee 2.2 CRD 4x4 >08/2015
	<b>7 7560 1</b>	Bosch 1 004 336 689 1 004 337 060, 070 MB 001 151 66 14  with EMC electromagnetic compability	0 001 138 015,016 0 001 147 408,409 S74-L 12V(R) 1.7 kw SL74-L 12V (R) 1.7 kw Mercedes RFI Start/Stop Starters 006 151 72 01 271 906 02 00 C 180,-CGI,-Coupe,-T-Model 2009-2012 C 200 CGI,-Coupe,-T-Model 2009-2014 C 250 CGI,-Coupe,-T-Model 2009-2014 E 200 CGI,-Cabrio,-Coupe,-T-Model,-NGT 2009-2013 E 250 CGI,-Cabrio,-Coupe,-T-Model 2009-2013 E 260 1.8i >2010 SLK 200/250 2011-2015
	<b>7 7561 1</b>	Bosch MB 1 004 337 017,023,040,045 001 151 73 14  with EMC replaced by 7 7575 1 w/o. EMC	0 001 139 043,044 S78-M 12V (R) Mercedes RFI Overload Protection Start/Stop Starters

IKA-No.	Original	References	Unit-Nos.
7 7562 1	Bosch	1 004 337 015,035,043,061,151	0 001 147 400, 401
	MB	001 151 75 14	SL74-L 12V (R) Mercedes RFI Overload Protection Start/Stop Starters
	with EMC electromagnetic compability		276 906 12 00 276 906 23 00 C 300 CGI C 350 CGI,-Coupe,-T-Model CLS 350 CGI Coupe,-Shooting Brake E 300,-T-Model,-4Matic E 300 CGI Cabrio,-Coupe,-T-Model,-4Matic E 350,-T-Model E 350 CGI Cabrio,-Coupe,-T-Model E 400,-Coupe,-T-Model 2011-2014 E 400L 3.5 >2013 ML 300/350 4Matic 2011-2015 S 350 CGI SL 350 2012-2013 SLK 350 2011-2016
			7 7563 1
MB	001 151 74 14 001 151 76 14	SL74-L 12V (R) Mercedes RFI Overload Protection Start/Stop Starters	
	with EMC electromagnetic compability brush holder with 6 brushes		276 906 13 00 276 906 24 00 278 906 04 00 278 906 05 00 278 906 06 00 278 906 07 00 C 300 CGI,- 4Matic C 350 CGI,- 4Matic,-Coupe,-T-Model C 350 Coupe 4Matic C 63/S AMG-Cabrio,-Coupe,-T-Model CL 500 CGI Coupe,-4Matic CL 63 AMG Cabrio,-Coupe CLS 350 Shooting Brake,-CGI Coupe CLS 500 Coupe,-4Matic,-Shooting Brake CLS 63 AMG Coupe,-Shooting Brake E 300,- 4Matic,-T-Model 4Matic E 300 CGI Cabrio,-Coupe,-T-Model,-4Matic E 350 4Matic,-T-Model 4Matic E 350,-4Matic,-CGI Cabrio,-Coupe,-T-Model,-4Matic E 400 4Matic,-Cabrio,Coupe,-T-Model 4Matic E 500,-4Matic CGI Cabrio,-Coupe,-T-Model 4Matic E 63/S AMG,-4Matic,-T-Model G/GL/GLE /GT 63 AMG,- Cabrio,-Coupe,-Roadster GL 500 4Matic, GL 63 AMG 4Matic GLE 500 4Matic,-Coupe 4Matic GLK 300 4Matic, 350 CGI 4Matic G/GLS 500 GT, GT C, GT R, GT S AMG ML 400/500 4Matic, ML 63 AMG 4Matic S 350 CGI,-4Matic S 500,-4Matic,-CGI 4Matic, S63 AMG SL 350, SL 500, SL 63 AMG SLK 350, SLK 55 AMG, SLR AMG GT/S SLR GT/GTS AMG
			Replacement for IKA 7 7568 1 brush holder with 4 brushes

IKA-No.	Original	References	Unit-Nos.
7 7564 1	Bosch	1 004 337 026,066  with EMC electromagnetic compability	0 001 152 410,411 SFL74-L 12V (L) Mercedes RFI Overload Protection Star/Stop Starters 270 906 07 00 A 160 1.6 >07/2015 A 180/A 200 1.6 >06/2012 A 220 4Matic 2.0 >05/2014 A 180, A 200, A 250 >06/2012 A 220 4Matic >05/2014 A 250,- 4Matic,Sport,-,-4Matic AMG A 45 4Matic >06/2013 AMG CLA 45 4Matic,-Shooting Brake >07/2015 AMG GLA 45 4Matic >07/2015 B 160/B 160 d >05/2015 B 180/B 180 d B 200/B 200 c B 200 NGD 2012-2015 B 220/B 250 4Matic >05/2012 CLA 180,-Shooting Brake CLA 200/200 d Shooting Brake,-4Matic >2015 CLA 220/220 d 4Matic,-Shooting Brake >04/2016 CLA 250,-4Matic,-Shooting Brake,-4Matic GLA 180/200 >12/2013 GLA 220 4Matic GLA 250,-4Matic >01/2014
7 7565 1	Bosch	1 004 337 049,059,069  with EMC electromagnetic compability	0 001 153 500,501,510,511 SFL74-E+ 12V (L) Mercedes RFI Start/Stop Starters 645 906 02 00 645 906 03 00 A 160 CDI /A 160 d A180 CDI /A 180 d A 200 CDI,-4Matic /A 200 d A 220 CDI,-4Matic /A 220 d B 160 CDI /B 160 d B 180 CDI /B 180 d B 200 CDI /B 200 d,-4Matic B 220 CDI /B 220 d,-4Matic CLA 180 CDI /B 180 d CLA 200 CDI,-4Matic /CLA 200 d 4Matic-Shooting Brake CLA 220 CDI,-4Matic CLA 220 d,-4Matic,-Shooting Brake,-4Matic GLA 180 CDI /GLA 180 d GLA 200 CDI,-4Matic /GLA 200 d,-4Matic GLA 220 CDI,-4Matic /GLA 220 d,-4Matic
7 7566 1	Bosch  MB	1 004 337 046,058,068  001 151 77 14  with EMC eletromagnetic compability	0 001 149 402-405,412-417 SL78-M 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 000 906 99 01 642 906 08 00 642 906 09 00 642 906 10 00 642 906 11 00 642 926 10 00 642 926 11 00 AMG G 65/ S 65 Cabrio,-Coupe C 350 CDI,-T Model CLS 350 BlueTec Coupe,-Shooting Brake CLS 350 CDI Coupe,-4Matic,-Shooting Brake,-4Matic CLS 350 d,-4Matic,-Shooting Brake E 300 BlueTec,-T-Model E 300 CDI,-T-Model E 350 BlueTec,-4Matic,- Cabrio,-Coupe,-T-Model,-4Matic E 350 CDI,-4Matic-Cabrio,-Coupe,-T-Model,-4Matic E 350 d,-T-Model G 350 d GL 350 BlueTec 4Matic GLE 350 d 4Matic GLK 350 CDI 4Matic GLS 350 d ML 350 BlueTec,-4Matic S 350 BlueTec,-4Matic /S 350d

IKA-No.	Original	References	Unit-Nos.
			S 600,-Maybach SL 65 AMG
7 7567 1	Bosch MB	1 004 337 041 001 151 72 14  with EMC electromagnetic compability brush holder with 4 brushes	0 001 149 400,401 SL78-M 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 651 906 12 00 651 906 23 00 E 250 BlueTec Cabrio,-Coupe >2014 GLK 220 BlueTec 4MATIC 2012-2016
			
7 7569 1	Bosch	1 004 337 023,168  with EMC electromagnetic compability	0 001 139 065,066 S78-M 12V(R) Mercedes RFI Start/Stop Starters 651 906 28 00 C 180 CDI,-T-Model C 200 CDI,-T-Model C 220 CDI,-4Matic,-Coupe,-T-Model C 250 CDI,-4Matic,-Coupe,-T-Model CLS 250 CDI Coupe E 220 CDI Cabrio,-Coupe E 250 CDI 4Matic,-Cabrio,-Coupe,-T-Model E 300 BlueTec Hybrid GLK 200/ 220 CDI,-4Matic GLK 250 CDI 4Matic ML 250 BlueTec 4Matic S 250 CDI SLK 250 CDI Sprinter 2.1   CDI Viano CDI 2.0/ 2.2 Vito 110,113,116 CDI
			
<b>NEW</b>	7 7570 1	Bosch 1 004 337 073 w/o. EMC	0 001 147 420,421,430,431 SL74-L 12V (R) 276 906 43 00 276 906 88 00 CLS 400 Coupe,-Coupe 4MATIC >2014 CLS 400 Shooting Brake >2014 E 320 Cabrio,-Coupe >2014 E 400, Cabrio,-Coupe,-T-Model E 400L 3.0i >2013 GL 400 4MATIC 2013-2015 GLE 320/400 4MATIC >2015 GLE 43 AMG 4Matic,-Coupe >2016 GLE 450 AMG 4MATIC,Coupe 4MATIC 2015-2016 GLE 500 e 4MATIC >2015 S 400,-Hybrid >2013 S 500 e >2014 SL 400
			

	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	7 7571 1	Bosch	1 004 337 181	0 001 148 510,511 SL74-E+ 12V (R) 651 906 48 00 GLC 200 d,-Coupe 4Matic >2016
				
<b>NEW</b>	7 7572 1	Bosch	1 004 338 145	0 001 174 600,601 SCL70-L 12V (R) Opel 36 40 268 Citroen 1111 11 PSA 96 756 60680
				
<b>NEW</b>	7 7573 1	Bosch	1 004 338 141,149,156, 196,198,200	0 001 170 602-605,624,625,628,629 0 001 172 406,407 SCE70-M 12V(R) SCL70-S 12V (R) BMW 12 41 8 571 905 12 41 8 621 839,866 Ford GV6T-11000-AA GV6Z-11002-A Nissan 23300-0379R 23300-4868R 23300-7224R Renault 23 30 003 79R 23 30 048 68R 23 30 072 24R BMW 114d,118d,-ED,118d,xDrive,120d,-xDrive,,125d 116i,118i,120i,125i 218d/220d/225d Coupe 218i/220i/230i Cabrio,-Coupe 316d,-Touring 318d,-GT,-Touring,-xDrive 318i,-Touring 320d,-ED,-GT,-xDrive,-Touring,-xDrive 320i/330i,-GT,-xDrive,-Touring,-xDrive 325d,-GT,-Touring 418d Gran Coupe 418i Coupe,-Gran Coupe 420d Cabrio,-Coupe,xDrive,-Gran Coupe 420i/430i Cabrio,-Coupe,-xDrive,-Gran Coupe 520d,-GT,-Touring,-xDrive 525d,-Touring,-xDrive 530d GT,-xDrive 530i,-xDrive 730i,-Li Renault Captur 1.5 dCi Clio IV 1.5 dCi Kadjar 1.5 dCi Kangoo II 1.5 dCi Megane III 1.5 dCi CC,-Coupe,-Grand Tour, -Hatchback >09/2013 Megane IV 1.5 dCi,-Gran Tour,-Hybrid Assist, -Hybrid Assist Scenic III 1.5 dCi >07/2012 Talisman 1.5 dCi,-Grand Tour latest models 2015/2016
				



	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	7 7574 1	Bosch	1 004 337 072 w/o. EMC	0 001 147 422,423,432,433 SL74-L 12V (R) 276 906 44 00 276 906 89 00 AMG C 43 4Matic,-Cabrio,-Coupe,-T-Model >2016 AMG E 43 4Matic,-T-Model >2016 C 400 4Matic,-Cabrio,-Coupe,-T-Model >2014 C 450 4Matic T-Model,-AMG-T-Model >2014 CLS 400 Coupe,-4Matic,-Shooting Brake >2014 E 320 Cabrio,-Coupe >2014 E 400 all models >2013 S 400,-4Matic-Hybrid >2013 SL 400 >2014
<b>NEW</b>	7 7575 1	Bosch MB	1 004 337 017,023,040,045,168, 1 004 337 185 001 151 73 14  w/o. EMC replacement for 7 7561 1 with EMC	0 001 139 043,044,065,066,085,086 S78-M 12V (R) 651 906 11 00 651 906 24 00 651 906 28 00 651 906 43 00 114 CDI, 116 CDI, 119 CDI BlueTec >09/2014 210,211,213,214,215,216 CDI Sprinter >2009 310,311,313,314,315,316 CDI Sprinter 413,414,416 CDI Sprinter 510,511,513,514,515,516 CDI Sprinter C 180/200 CDI,-T-Model C 200 d ,-T-Model,-4Matic C 220 BlueTec C 220 CDI,-4MATIC,-Coupe,-T-Model,-4Matic C 220 d,- 4MATIC,-Coupe,-T-Model C 250 BlueTec T-Model,-4Matic C 250 CDI,-4-MATIC,-Coupe,-T-Model C 250 d,-Cabrio,-Coupe,-T-Model C 300 BlueTec Hybrid,-4Matic,-T-Model C 300 h,-T-Model CLS 220 Coupe,-Shooting Brake CLS 220 d Coupe,-Shooting Brake CLS 250 BlueTec Shooting Brake,-4Matic CLS 250 d Coupe,-4Matic,-Shooting Brake E 200 BlueTec,-T-Model E 200 CDI,-T-Model E 220 BlueTec,-4MATIC,-Cabrio,-Coupe,-T-Model,-4Matic E 220 CDI,-Cabrio,-Coupe,-T-Model E 220 d Cabrio,-Coupe E 250 BlueTec,-Cabrio,-Coupe,-4MATIC,-T-Model E 250 CDI,-4MATIC,-Cabrio,-Coupe,-T-Model,-4Matic E 250 d Cabrio,-Coupe E 300 BlueTec Hybrid,-T-Model GLC 200 d GLC 220/250 d 4MATIC,-Coupe GLE 250 d,-4MATIC,-Coupe 4Matic GLK 200/220/250 CDI,-4Matic GLK 220 BlueTec 4Matic GLK 250 BlueTec 4MATIC ML 250 BlueTec 4Matic S 250 CDI S 300 BlueTec Hybrid S 300 h SLC 250 d SLK 250 CDI V 200/220 CDI V250 BlueTec

NEW



IKA-No.	Original	References	Unit-Nos.
7 7577 1	Bosch FIAT	1 004 337 146,147 773 679 66	0 001 148 021,022,039,040 0 001 153 013,014,019,020 S74-E+ 12V (R) SF74-E+ 12V (R) 519 843 59 2 H0 911 023 H,-K,-KX 3R0 911 023 C,-CX FIAT 500X 2.0 MultiJet 4x4 >2014 Ducato 115 MultiJet >2014 Jeep Renegade 2.0 MultiJet >2014 SEAT VW Amarok 2.0 TDI,-4Motion 2011-2016 Crafter 30/35/50 2.0 TDI,-BitDI 2011-2016



7 7801 1	Bosch	2 004 336 223 1 004 336 434,451,828,980  alternative product for brass type 7 7281 1	0 001 107 031,032 0 001 121 003 DB/DW(R) 12V 1.1 kW Chrysler 04557 466 Porsche 986 604 104 00 Boxster 2.5 1996-1999 Boxster 2.7/3.2 S 1999-2004
----------	-------	--	---



7 7802 1	Bosch  Ford Nissan Porsche PSA Volvo VW	2 004 336 214 1 004 336 416,420,462,745, 749,814,830,841  5825 C8 5825 C8 30862530 012 911 209 058 911 209 B  replacement for 7 7282 1	0 001 106 022-024,028 0 001 107 043,070,071,073,074,087 DW(R) 12V 0.9-1.1 kW R74-M10,-M25,-M30 12V(R) R74-S10,-S20 12V(R) 96FB-11000-KB,-KC,-KD 1011331 23300-00Q1D 77 00 875 450 82 00 050 150 82 00 186 144 82 00 199 737 82 00 466 754,-758,-761 82 00 724 786,-805,-810,-817 82 00 929 534 93161060 012 911 023,-X 06B 911 023,-X
----------	--	--	--



7 7803 1	Bosch  FIAT MB  Nissan Opel  PSA Renault Toyota VW	2 004 336 212 1 004 336 239,314,320,321, 368,382,391,421, 716,728,809,810, 831,853,970,985  9949392 001 151 00 14 001 151 34 14 001 151 34 15  23378-1F705 90542850 93180602  77 01 047 321 28140-02020 069 911 209 D  replacement for 7 7260 1	0 001 106 012,017-019,026,027 0 001 107 009,015,016,027,028,030,034,037, 041,044,045,048,056,059-061,063 064,067,072,075,076,079,082,088, 092,093,096,100,101  6 000 AA0 013 9 000 694 035,044 9 001 107 088 F 000 AL0 113 DW(R) 12V 0.9-1.2 kW R74-M10,-M20,-M25,-S10 12V(R) 12 41 1 489 994,-995 12 41 7 570 487,-488 93 427 646 04686 512,-AC,-CB,-CC 60562974, 9615519880,9624291380 91AB-11000-LB 92AB-11000-GB,-JA 93BB-11000 CA,-CB 95FB-11000-BD 95GB-11000-FA 96FB-11000-ME 97KB-11000-AA,-AB,-AC R91AX-11000-KB1 1027772,1067622,1416207 005 151 53 01 005 151 66 01 005 151 69 01 09198701 90444193,90449689,90451825,
----------	---	--	---





IKA-No.	Original	References	Unit-Nos.
			90487345,90508037,90512188, 90512189,90518627,90518628 9200961 23300-1F705,-1F715 23300-99B16 96 147 592, 96 155 198 77 00 115 294 77 00 872 450 77 00 875 450 82 00 466 744 82 00 724 786 28100-02040,-02080, 28100-16230 28100-0E010,-0D030 069 911 023 G












<b>7 7804 1</b>	Bosch	2 004 336 226 1 004 336 338,392,444,717, 833,989	0 001 107 047,077,098 DW(R) 12V 1.1 kW R74-M20 12V(R) 1516788R
	Opel	09117925	9117691,9200960
	Renault	77 01 042 469	90586916,93184536 77 00 105 080 77 00 865 719
		replacement for 7 7283 1	





<b>7 7805 1</b>	Bosch	2 004 336 221,261 1 004 336 309,332,397,415, 432,433,715,744 801,813,827,842, 938,957,964,975	0 001 106 011,014,015,025 0 001 107 010,012,014,017-019, 025,026,029,033,038, 049,054,055,062,066, 068,069,083,085,089, 094,095,097
	FIAT	7078094,77363063, 9943569,9947478,9947649 9947890,9949392,9950837	0 001 121 001,002 9 000 694 022 9 007 045 020
	Ford	BF5-A11082-A	DB/DW(R) 12V 0.9-1.1 kW
	KHD	01340542	1516766R,1516773R,1516776R
	Nissan	23378-99B15	46468696,46748349,46748350, 46821681,55193407
	Opel	90444710,9118123,93185011	9613230280,9615519880, 9624291380
	PSA	5828 98, 9947649	92AB-11000-GA,-GB 92BB-11000-AA
	VW	001 911 209 053 911 209 058 911 209 A	6816678 005 151 38 01 660 151 01 01 23300-94851 23300-99B15,-99B16 23300-1F705,-1F715 90444193,90458462, 90512188,90518628,90535261 9117031,9133598,9198701 5802 E4 96035034,96102058, 28100-02080,-16230 28100-0E010,-0D030 8602102,8602104 001 911 023,-X 036 911 023 S,-SX 053 911 023,-A,-B 058 911 023 B,-BX
		alternative product for brass type 7 7131 1	

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7806 1</b>	Bosch  Nissan	2 004 336 220 1 004 336 219,326,427,428, 435,469,775,776, 820,870,937,987  23378-99B05  replacement for 7 7259 1	0 001 106 020 0 001 107 011,024,039,040,046, 058,080,090 F 002 G20 318 DW(L) 12V 0.9-1.1 kW R74-M27,-S10 12V(L) RF74-M25 12V(L) 23300-94850 23300-99B00,-99B05,-99B06 Nissan Micra, -Sabre, -Sentra 1.3/1.6 i MG,Rover, Lombardini, Piaggio
	<b>7 7807 1</b>	Bosch  VW	2 004 336 215,260 1 004 336 417,746,821,951 02B 911 209  alternative product for brass type 7 7126 1	0 001 106 016 0 001 107 003-008,020-023,052,053 0 001 121 006-011,016-019,022,023 DB/DW(L) 12V 1.1 kW 1516679R,1516723R, 1516779R,1516781R 95VW-11000-BA,-BB YM21-11000-EA 1029411 020 911 023,-F,-FX,-J,-N 02A 911 023 E,-F,-L,-LX,-T,-TX 02B 911 023 B,-F 02M 911 023,-X 02T 911 023 A,-B,-E,-EX
	<b>7 7811 1</b>	Bosch  Opel PSA Renault	2 004 336 209,227 1 004 336 337,343,363,374, 375,823,832,850, 859,935,971,973  90444706 95655222, 5825 C4 77 01 039 506 77 01 044 936,-938 77 01 047 322  replacement for 7 7257 1 7 7258 1 7 7296 1	0 001 108 074,123,143,148,170,172, 180-182,185,186,199 DW(R) 12V 1.4 kW R74-L20,-L25,-L35 12V(R) 1516807R 90490356,90490771, 90541527,90563736, 93177175,93184538, 96017849,96035034, 96092340,96325689 1202136 77 00 106 426,-763, 77 00 113 207 77 00 860 915 82 00 466 763 82 00 724 823 51 94 899 18213-M68KA-000
	<b>7 7812 1</b>	Bosch  BMW FIAT Ford MB Mitsubishi Opel Porsche PSA	2 004 336 216,217,222,225 1 004 336 146,162,300,318, 346,403,411,418, 419,423,436,439, 443,457,464,733, 740,747,748,762, 806,812,816,837, 902,903,907,912, 913,918,921,922, 934,936,941,950, 954,960,965,968, 974,986,995,998  1 007 010 065 Kit 12 41 1 722 849 12 41 1 735 887 9939779,9950076 AU2-11049-A V86BB-11061-AA 001 151 46 14 001 151 49 14 001 151 87 14 001 151 96 14 001 151 98 14 001 151 99 14 MR922747 905434727,9196673 1203039 5825 C1 5825 C1, 5825 C5	0 001 108 001,002,004,009-013,016-020, 022-033,035,307-040,042-048, 051-054,056,057,061-066, 068-073,075,078-093,098, 100-122,124-126,128-141, 144-146,149-156,158-160,162, 166,167,169,171,173-178,183, 184,188,189,197,205,995-999  0 001 111 002-004 0 001 115 024 9 000 694 001,003,008,010,020, 026,038,043 F 002 G20 049,052,101,141, 449,500,639 F 005 M00 006,010,011,013,016 F 010 AL0 103 DW(R) 12V 1.1-1.6 kW DW(R) 24V 1.6 kW R74-L20,-L25,-L35 12V(R) R74-E10 12V (R) 12 41 1 312 104,130 12 41 1 720 642 12 41 1 726 504 05097072AA 1516802R 9629473280 94GX-11000-AA, 5030457 005 151 65 01 55351631

IKA-No.	Original	References	Unit-Nos.
	Volvo VW	95 656 565 1363547 035 911 209 D.-E 078 911 209,-A  replacement for 7 7256 1  alternative product for brass type 7 7124 1	90542967, 90566073 93176056, 93184537, 93184539 5802 A9, 5802 C1 5802 E1, 5802 E5 5802 F0, 5802 F5 96 092 340, 96 147 592, 96 343 143 77 00 114 428 49 66 842, 88 28 238 034 911 023 035 911 023 N 078 911 023,-B
	<b>7 7813 1</b>	Bosch  Ferrari FIAT Piaggio VW  replacement for 7 7128 1	2 004 336 219 1 004 336 147,426,442,467, 772,811,904,919, 923,961  493 323 9944377,9944734 433 323 02A 911 209 A  0 001 108 005,014,015,050,058-060,076, 077,094-097,099,127,147,168 0 001 111 001,005 9 000 694 021 DW(L) 12V 1.1-1.4 kW DW(L) 24V 1.6 kW 7727534,76683140 293 762 Piaggio 563 30 Ruggerini 933 604 001 00 02A 911 023 C,-D 02B 911 023 B 055 911 023 G
	<b>7 7814 1</b>	Bosch  replacement for 7 7248 1 7 7249 1	2 004 336 210 1 004 336 136,362,911,944  0 001 108 021 DW(L) 12V 1.4 kW Porsche 951 604 101 00 924 2.5 S 944 2.5,-S,-Turbo 944 2.7
	<b>7 7821 1</b>	Bosch  Volvo VW  replacement for 7 7248 1 7 7249 1	2 004 336 218 1 004 336 424,452,763,803, 852  9442299 03G 911 209 M  0 001 115 002,007 0 001 123 001 DB/DW(R) 12V 1.7 kW R/RF74-E10 12V(R) 30658566 9162400,9168267 996 604 103 00
	<b>7 7822 1</b>	Bosch  MB VW  replacement for 7 7250 1	2 004 336 213 1 004 336 396,414,470, 722,743,824  0 001 151 08 14 0 001 151 45 14 07C 911 209  0 001 115 009,012,016,017,024 DW(R) 12V 1.7 kW R74-E10 12V(R) 55351631 9146359 9200610 93176056,93184539 07C 911 023,-X






	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7823 1</b>	Bosch VW	2 004 336 224 1 004 336 453,514,867,891 03G 911 209 L,-N,-Q  replacement for 7 7247 1 replacement for 7 7280 1	0 001 115 011,013,118 DW(L) 12V 1.7kW R74-E10 12V(L) 996 604 107 00, 01, 02 996 604 108 00 Porsche 911 3.6 Carrera 2,-Convertible 2 3.6 Carrera 4 3.6 GT2,-RS,-GT 3 3.6 Turbo Cabriolet 4,-Carrera 4 3.6 Turbo Coupe 4,-GT2 4 3.6 Turbo S Cabriolet 4,-Coupe 4 3.8 GT 3,-RS 4.0 GT 3 RS
	<b>7 7831 1</b>	Bosch  Renault	2 004 336 233 1 004 336 361,456,460,468, 802,848,946,994  77 01 042 471 77 01 044 940  old model: brass type 7 7132 1	0 001 109 035 0 001 110 089,114 0 001 115 001 DW(R) 12V 1.7kW 1516790R 60 01 040 105 77 00 102 800 77 00 866 505
	<b>7 7832 1</b>	Bosch  MB  Renault Volvo	2 004 336 245 1 004 336 437,463,835,864, 908,931,949,976  1 007 010 092 Kit 000 151 95 14 001 151 02 14 001 151 23 14 77 01 033 239 3344018  replacement for 7 7253 1	0 001 110 003,026,039,053,095,113 DW(R) 12V 1.7-1.8kW R78-L25 12V(R) 1516790R 001 151 78 01 003 151 79 01 004 151 37 01 77 00 777 478 77 00 864 634 35605617
	<b>7 7833 1</b>	Bosch  Toyota VW	2 004 336 235 1 004 336 279,409,422,729, 738,860,868  28140-0G010 28140-0G030 068 911 209 J  replacement for 7 7284 1 7 7295 1	0 001 110 126-129,132 0 001 124 020,021 F 000 AL0 108 DW(R) 12V 1.8kW R/RF78-L25 12V(R) 28100-0G010 28100-0G030 068 911 024 F,-G,-GX,-H
	<b>7 7834 1</b>	Bosch  Toyota VW	2 004 336 244 1 004 336 405,407,450,465, 735,736,819,826, 845,984  1 007 010 056 Kit 28140-0B020 069 911 209 E  replacement for 7 7254 1  field coil connector 71 mm	0 001 109 034,041 0 001 110 004,048,049 0 001 124 015 0 001 125 501-504,507,508 DB(R) 12V 1.7-2.0 kW 1516661R, 1516674R 1516682R, 1516727R 996 604 104 00 28100-0B020 069 911 023 E,-H,-J 073 911 023 A






	IKA-No.	Original	References	Unit-Nos.
	7 7835 1	Bosch	2 004 336 238	0 001 109 021,022
			1 004 336 367,401,404,413, 455,458,731,734, 742,807,849,909, 914,924,925,942, 947,955,959,962, 981	0 001 110 004,005,007,008,011-013,016,017, 019,022-025,027-030,041-046,051, 052,054-056,063-068,075,078,079, 082,083,088,090-092,102,104-108, 110,111,120,122-125,999
			1 007 010 076,091 Kit	F 010 AL0 101, F 042 002 067
		BMW	12 41 1 726 041	DW(R) 12V 1.6-2.2 kW
		FIAT	9940747,9947402,9945959, 99504680	R78-M10,-M15,-M20,-M25 12V(R) 12 41 1 731 898
		Ford	84AB-11061-AB 84AB-11461-AB 6147939	12 41 7 720 663,-664 1516753R 05226948
		MB	001 151 17 14 000 151 92 14	4392461,46231601,46446291,5997309, 7540278,7580192,7587118,7597118, 7692102,77167660,77323430
		Opel	1203037,90510286,93185012	84AB-11000-AC
		PSA	5825 A4	86AB-11000-AA,-A1A
		Renault	77 01 036 633	89BB-11000-AA,-AB
		VW	059 911 209 A 068 911 209 F,-G,-H 077 911 209,-A,-B	91AB-11000-FA,-FB 91BB-11000-LA 91BX-11000-LA 92AB-11000-HA,-HB 92AX-11000-HA
			replacement for 7 7251 1	1644028,5016235,5027120, 6147936,6158978
			alternative product for brass type 7 7129 1	003 151 50 01 004 151 02 01
			field coil connector 64 mm	004 151 45 01,-55 01,-65 01 1202016, 1202045, 1205956, 1202959, 90008257, 90243160, 90349285, 90443488 5802 A6,-C3,-50 91 040 098, 91 536 044, 96 054 384, 77 00 856 291 30658567 059 911 023 H,-HX 068 911 023 L,-LX,-P,-R,-S 068 911 024 B,-C 077 911 023 C
	7 7836 1	Bosch	2 004 336 237,241	0 001 109 001-003,006-009,014,017,018, 025,026,028,030,031,033, 036,040,042,043,045,046, 048,049,056,363,419,420
			1 004 336 301,400,412,430, 431,438,445,447, 472,730,741,778, 779,804,829,836, 840,881,956,996, 997	0 001 110 100,101,112,115 F 000 AL0 105,107,112,117 DW(R) 12V 1.6-2.0 kW
		FIAT	994784, 994840, 9951205 99478260, 9947840, 9951021,	R78-M25 12V(R) 12 41 2 242 703
		MB	001 151 03 14 001 151 43 14 001 151 44 14	12 41 2 246 570 12 41 2 446 570 12 41 4 371 646
		Opel	91117908	93389727
		Porsche		1516655R, 1516680R
		PSA	5825 D0 91536044, 994784	46430721, 46430784, 46437520, 46800159, 60814911, 9947830
		VW	031 911 209 077 911 209 C	2T14-11000-AA 004 151 70 01, 004 151 89 01 004 151 92 01 120 2143
			replacement for 7 7252 1 7 7297 1 7 7298 1	90511841, 90519332 91154217, 91536044 96035035, 96054384 031 911 023 A,-AX,-C 077 911 023 E,-EX

IKA-No.	Original	References	Unit-Nos.
7 7837 1	Bosch	2 004 336 234 1 004 336 394,461,720,999	0 001 109 015,042,046,052,055,061-063 DW(R) 12V 2.0 kW R78-M15,-M25 12V(R) 1516830R 24422273, 24454431 09200962 55351630 90512467, 90519015, 90519331, 90566073, 93171526, 93176034, 53 42 340 53 43 371 95 44 537
	Opel	90540337 93185014  replacement for 7 7532 1	
7 7838 1	Bosch	2 004 336 230 1 004 336 257,402,440,446, 459,466,732,847, 906,926,927,933, 958,983,988,991	0 001 109 011,023,044 0 001 110 001,002,009,010,013-019,021, 022,031-033,039,047,057-059, 061,062,069,070,076,077,081, 084,085,098,099  0 001 125 005,006,009,010,018,019 DB/DW(L) 12V 1.6-2.0 kW R78-M10,-M25 12V(L) 1516724R, 1516749R,1516782R 97VW-11000-BA 004 151 87 01 911 604 102 01 964 604 104 00, 965 604 104 00 02A 911 023 B,-C,-G,-H,-S 02B 911 023 C 02M 911 023 A 020 911 023 A,-B,-D,-P,-PX 020 911 024 A 068 911 023 G,-M,-T 098 911 023
	VW	1 007 010 053 Kit 1 007 010 054 Kit 02A 911 209 B 020 911 209 021 911 209 036 911 209 A 068 911 209 E  replacement for 7 7255 1  alternative product for brass type 7 7127 1  field coil connector 64mm	
7 7839 1	Bosch	2 004 336 240 1 004 336 408,429,737,777 808,990	0 001 109 012,029,047 0 001 125 001,002,012,013, 016,017,021,022  DB(L) 2.0 kW 1516691R,-6812R,-6828R 028 911 023 M 02A 911 023 R,-RX 02B 911 023 D.-E 02T 911 023 C
	VW	02A 911 209 C  replacement for 7 7294 1	



IKA-No.	Original	References	Unit-Nos.
7 7171 1	Denso	028510-0640 028510-0840 028510-5500  with 2 negative brushes  complete kit with positive brushes: 7 7371 1	028000-7000,-7001,-7002 028000-7003,-7370,-7372 028000-7373,-7740, 7790, 028000-8130, 9830 128000-0570,-0960,-1040
7 7172 1	Denso	028510-0500 028510-5390  with 2 negative brushes  complete kit with positive brushes: 7 7372 1	028000-4800,-5000,-5300 028000-5301,-5510,-5511 028000-5860,-6290,-6870 028000-7240,-8070 128000-1790,3080 428000-1860
7 7179 1	Denso	028510-0880  Kit with 4 brushes	128000-0490,-2450,2470, 128000-2560,-2740,-3361 128000-4250,-4682-4685 228000-331,332,573 228000-585,700 12/24V 3.0/5.5KW
7 7181 1	Denso	028510-5190  with 2 negative brushes  complete kit with positive brushes: 7 7381 1	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
7 7214 1	Denso	028510-0750,-5320  with 2 negative brushes  complete kit with positive brushes: 7 7414 1	028000-6260,-7700,-8980,9320 028000-9321,-9380,-9860 128000-0050 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame






IKA-No.	Original	References	Unit-Nos.
7 7370 1	Denso	028510-0560 Kit with 4 brushes	028000-5330-35, -6380-82, -9490 Daihatsu
			
7 7371 1	Denso	028510-0640 028510-0840 028510-5500 Kit with additional positive brushes 2 x JAS 77	028000-7000,-7001,-7002 028000-7003,-7370,-7372 028000-7373,-7740, 7790, 028000-8130, 9830 128000-0570,-0960,-1040
			
7 7372 1	Denso	028510-0500 028510-5390 Kit with additional positive brushes 2 x JAS 88	028000-4800,-5000,-5300 028000-5301,-5510,-5511 028000-5860,-6290,-6870 028000-7240,-8070 128000-1790,3080
			
7 7377 1	Denso Italy Bosch	028510-6410,-6421, -6440,-6490 2 008 336 010 complete with 4 brushes	P76 - 12 Volt 2.0 kW BMW series 3,5,7 Citroen C5 Peugeot 307,407 Toyota Avensis,Corolla,Verso
			
7 7381 1	Denso	028510-5190 Kit with additional positive brushes 2 x JAS 52	128000-5210,5211,5680, -5682,6420,6422, -6720,6721,7400
			




	IKA-No.	Original	References	Unit-Nos.
	7 7414 1	Denso	028510-0750,-5320 Kit with additional positive brushes 2 x JAS 84	028000-6260,-7700,-8980,9320 028000-9321,-9380,-9860 128000-0050 1.4 kW OSGR-Starters with Cast Aluminium C.E. Frame
	7 7606 1	Denso Toyota	128099-6311,-6312,-6660 28130-20020,-28040 028510-7620  complete with 4 brushes  brush set JASX 115-116 IKA P/N 0 1348 1	28100-0H050,-0H051,-0H060,-0H061,-0H100,0-0H110 28100-28040,-28041,-28042 28100-28050,-28051,-28052,-28053 28100-28080,-28081,-28082 12 Volt a/c Toyota Avensis 2.0/2.4,-Combi,-Stufenheck Avensis Verso 2.0 Camry 3.0,-Stufenheck 2.4/3.0 RAV 4 III 2.0 VVT-i 4WD
	7 7629 1	Denso MB	complete with 4 brushes	428000-5510,-5511 A 000 906 01 26 80 A 006 151 45 01 12V 1.8 kW Mercedes CDI
	7 7630 1	Denso Bosch Toyota	complete with 4 brushes	428000-4500,-4550,-4560,-5830,-6180 DSN920,-947,-948,-949,-980 0 986 023 260 28100-0D090,-0D180 28100-0J030,-0J031,-0J050 28100-0Q040,-0Q041,-0Q050 28100-0Y010,-0Y030 28100-40090,-40091,-40140 28100-47120,47121,-47122,-47130,-47131,-47132 12V 1.3 kW Toyota Avensis 1.6i/1.8i 16V,-Liftback,-Wagon 2003-2008 Corolla 1.6i/1.8i 16V >2004
<b>NEW</b> 	7 7631 1	Denso Toyota	complete with 4 brushes  brush set JASX 101-102 IKA P/N 0 1933 1	428000-0670,-0680,-0700, 428000-1640,-1750 12 Volt






IKA-No.	Original	References	Unit-Nos.
7 7211 1	Ford-Visteon	E90Z-11061-A,B,C complete with 4 brushes	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 Ford USA
7 7212 1	Ford-Visteon	F3RZ-11061-A complete with 4 brushes	93BB-11000-HB,-JB,-JC, 93BB-11000-KA,-KB,-KC PMGR-Starter Ford Europe
7 7213 1	Ford-Visteon	1C3U-11424-AA 1C3U-11434-AA  with 2 negative brushes two component grade O.E. version  complete kit with positive brushes: 7 7313 1	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 7215 1	Ford-Visteon	complete with 4 brushes	1S7U-11000-AB,-AC, 2S6U-11000-EB, 96BB-11000-AA,-AB,-AC 98AB-11000-BB,-BC,-CC,-CD, YS4U-11000-AA,-BA
7 7261 1	Ford-Visteon	F7RU-11434-BA complete with 4 brushes	97BB-11000-BB,BC 97VB-11000-AA,AB 98AB-11000-AC 98VB-11000-BA,B1A,B3A 12V 1.9 kW

IKA-No.	Original	References	Unit-Nos.
7 7313 1	Ford-Visteon	1C3U-11424-AA 1C3U-11434-AA  Kit with additional positive brushes 2x F76 two component grade O.E. version	1C24-11000-AA 1C2U-11000-AA 1C2Z-11002-AA 1C3U-11000-AA,-AB,-AC,-AD,-AE 1C3Z-11002-AA 2C24-11000-AA 2C2U-11000-AA 2C3T-11000-AA 2C3Z-11002-AA PMGR Starter 3.6 kw 12 Volt



IKA-No.	Original	References	Unit-Nos.
7 7140 1	Hitachi	2114-23106 2114-53104,-53105 2114-63104,-73105 complete with positive brush-pair	S114-750,751,753,758,762A, 765,766A,775A,800,801 804,805,808,816,818 829A,-B,850 Opel Astra D Opel Corsa D
			
7 7141 1	Hitachi  Nissan	2114-4311, -19008 2114-29007,-39001,-49007 2114-69008,-79001,-89007 23378-0500 23378-05E00 23378-M4901	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481,489,525
		with 2 negative brushes	
		complete kit with positive brushes: 7 7341 1	
7 7142 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100	S13-62,62B,64,69,83,84,89A, S13-89B,92A,100,101,102, S13-104,105,105A,106A,-B,-C S13-107A,114,121
		with 2 negative brushes	
		complete kit with positive brushes: 7 7342 1	
7 7143 1	Hitachi	2250-7310	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500
		with 2 negative brushes	
		complete kit with positive brushes: 7 7343 1	
7 7341 1	Hitachi	2114-4311, -19008 2114-29007,-39001,-49007 2114-69008,-79001,-89007	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481,489 Nissan 23378-05E00
		Kit with additional positive brushes 2 x JAS 81	





IKA-No.	Original	References	Unit-Nos.
7 7342 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100	S13-62,62B,64,69,83,84,89A, S13-89B,92A,100,101,102, S13-104,105,105A,106A,-B,-C S13-107A,114,121
		Kit with additional positive brushes 2 x JAS 74	
7 7343 1	Hitachi	2250-7310	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500
		Kit with additional positive brushes 2 x JAS 36	
7 7524 1	Hitachi	2114-23104,-39008, -83102,-93102	S114-505,-A,507A,509,516,-A 517,-C,518,519A,523 526,-A,-B,527,-A,-B,530,533 535,701A,-B,-BR,705A
		complete with 4 brushes and 4 springs	

IKA-No.	Original	References	Unit-Nos.
7 7190 1	Marelli / FIAT	832 244 61 832 253 26  with 1 negative brush  complete kit with positive brushes: 7 7390 1	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 01 Brava,Palio,Tipo
			
7 7191 1	Marelli / FIAT Bosch	832 263 36 2 008 336 015  with 2 negative brushes  complete kit with positive brushes: 7 7391 1	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
			
7 7192 1	Marelli / FIAT	832 212 41  with 2 negative brushes  complete kit with positive brushes: 7 7392 1	E80 0,8/1-12 632 228 31-33,36-38 632 230 31-34
			
7 7193 1	Marelli / FIAT Bosch	542 944 44 832 204 61 2 008 336 014  with 2 negative brushes  complete kit with positive brushes: 7 7393 1	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35
			
7 7194 1	Marelli / FIAT	832 258 86 with 2 negative brushes  complete kit with positive brushes: 7 7394 1	632 230 39 632 233 04 632 930 39 E80E
			



IKA-No.	Original	References	Unit-Nos.
7 7390 1	Marelli / FIAT	832 244 61 832 253 26  Kit with additional positive brushes 1 x JS 39 1 x JS 40	E80E 0,9-12 631 020 03,04,07,08 632 229 00,01 632 230 85 632 231 01,03,08 632 931 01 Brava,Palio,Tipo
7 7391 1	Marelli / FIAT	832 263 36  Kit with additional positive brush pair JS 54	E95RL 2,2/2,6-12 631 140 08,10,14 Ducato
7 7392 1	Marelli / FIAT	832 212 41  Kit with additional positive brushes 2 x JS 36	E80 0,8/1-12 632 228 31-33,36-38 632 230 31-34
7 7393 1	Marelli / FIAT	542 944 44 832 204 61  Kit with additional positive brushes 2 x JS 34	M70R 1,4/1,8-12 E70R 1,4-12 631 110 00,05,08 632 234 30-33,35,36 632 235 30-33 632 236 39 632 934 35
7 7394 1	Marelli / FIAT	832 258 86  Kit with additional positive brushes 1 x JS 45 1 x JS 57	632 230 39 632 233 04 632 930 39 E80E






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

IKA-No.	Original	References	Unit-Nos.
	7 7182 1	Melco	M649T03571 M649X02572,-03573
			M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
		with 2 negative brushes	
		complete kit with positive brushes: 7 7382 1	
	7 7183 1	Melco	M649T01371 M649T02271 M649T04871
		Mitsubishi	MD607555 MD607926 MD618513
		Hyundai	36170-21740
			with 2 negative brushes
		complete kit with positive brushes: 7 7383 1	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, 36100-11150,21760,21770
	7 7185 1	Melco	M649T02171
			with 2 negative brushes
		complete kit with positive brushes: 7 7385 1	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
	7 7186 1	Melco	M649T05071
			with 2 negative brushes
		complete kit with positive brushes: 7 7386 1	M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971 36100-42011

IKA-No.	Original	References	Unit-Nos.
7 7187 1	Melco Hyundai/KIA	M649T01271,1272,-1273 M649T06871,-09371,-09471 36169-32510 36170-32500  complete with positive brush pair	M1T70381,70481,70483,70485, 70781,70881,71381,71881, 72581,72583 HSP112110,112130 MG112014,MP112023 36100-32510
7 7188 1	Melco	M649T01671 M649T06971  complete with positive brush-pair	M1T74081,74181,74281,74283, 74381,74481,74482,74581, 74583,74781,74781A,75181, 75281,75283,75381,75581, 75681,76081,76281
7 7189 1	Melco Nissan	M649T04471 M649X09571 23378-N5912  with 2 negative brushes suitable for 3 and 4 brushes version  complete kit with positive brushes: 7 7389 1	M2T23685,-24181,-24281,-25481 25581,-25681,-50171,-50181 50281,-50285,50371,-50381 50391,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581, M3T21882D 23300-00H10
7 7274 1	Melco Mitsubishi	M649T20471 M649X20471 ME701467  with 2 negative brushes  complete kit with positive brushes: 7 7374 1	M2T84071,-ZT, M2T84171,-ZT, M2T84271, M2T84371, M2T 84571 M2T84671, M2T84771, M2T87071, M2T87171 1810A050, 181A053 12 Volt
7 7275 1	Melco	M321X07076  complete with positive brush pair	M0T80281B,-82881,-87881 91581 DACIA

IKA-No.	Original	References	Unit-Nos.
7 7374 1	Melco Mitsubishi	M649T20471 M649X20471 ME701467  Kit with additional positive brushes 2 x JAS 70	M2T84071,-84171,-84271,-84371, 84571,-84671,-87071,-87171
7 7382 1	Melco	M649T03571 M649X02572,-03573  Kit with additional positive brushes 2 x JAS 70	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
7 7383 1	Melco Mitsubishi Hyundai	M649T01371 M649T02271 M649T04871 MD607555 MD607926 MD618513 36170-21740  Kit with additional positive brushes 2 x JAS 83	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 36100-1150,-21760,-21770
7 7384 1	Melco Mitsubishi Nissan	M648X28671 M649T05072  Kit with 4 brushes 24 Volt	






IKA-No.	Original	References	Unit-Nos.
7 7385 1	Melco	M649T02171  Kit with additional positive brushes 2 x JAS 71 12 Volt	M2T60071-073,60171 60185,60271,60371, 60571,92071,92172, 92271
7 7386 1	Melco  Mazda Mitsubishi Nissan	M648X28271 M649T05071  Kit with additional positive brushes 2 x JAS 99 12 Volt	M2T54172,54271,54371,54372, 54572,55971,56071,56171, 56181,56182,56271,56272, 56471,56472,56971,57271, 61071,61171,61371,61471, 61771,62271,65971 36100-42011
7 7389 1	Melco  Nissan	M649T04471 M649X09571 23378-N5912  Kit with additional positive brushes 2 x JAS 70  suitable for 3 and 4 brushes version	M2T23685,-24181,-24281,-25481 25581,-25681,-50171,-50181 50281,-50285,50371,-50381 50391,50585,51085,52181 52681,52881,52882,53181, 53781,53785,58581, M3T21882D 23300-00H10
7 7525 1	Melco  Mitsubishi  Ford	M649T04971,-04972 M649T07371 M371X07371 ME 700047 ME 700939 E5PF-11061-A E5PF-11434-AA  w/o. brushes and springs  for brush set JASX 71-72 IKA P/N 0 1972 1  complete kit: 7 7625 1	M3T56071,-56072,-56076, 56082,-56174,-56181, 56182,-56183,-56272, 56471,-66071,-66072, 66073,-66074 67171,-67172 E8TF-11000-AA F3TU-11000-AA
7 7526 1	Melco	M321X04471,-04771 M321X05171,-07071  complete with springs and brushes	M0T60081,-60082,-70881 M0T80081,-80281,-A,80285,-A M0T80381,80581,-80981 M0T81081,-81281,-81284,-81681 M0T82281,-83981,-85981 M1T60285,-84181,-86281,-ZC





IKA-No.	Original	References	Unit-Nos.
7 7527 1	Melco Mitsubishi	M649X20771 ME701495  with 4 springs and 2 negative brushes 24 V	M2T80772, M2T87571, M2T87871, M2TS5071 M8T80071,-A,-B, M8T80171, M8T80371, M8T80372, M8T80373
			
7 7528 1	Melco	M321X10276  complete with springs and brushes	M0T70381,-70481,-81181 M1T70483,-73383,-84883
			
7 7625 1	Melco  Mitsubishi Ford	M649T04971,-04972 M649T07371 M371X07371 ME 700047, ME 700939 E5PF-11061-A E5PF-11434-AA	M3T66071-074 M3T67171,-172
		Kit Kit with 4 springs and brush set JASX 71-72 IKA P/N 0 1972 1	
7 7628 1	Melco Honda	M321X15071	M0T20871, M0T20871ZE, M0T20872ZE M0T21471, M0T30771, M0T32171, M0T32172, M0T35471, M0T36071, M0T45071ZT, M0T45171
			
<b>NEW</b>	7 7634 1	Melco	M000T22472, -22472, -22473 M000T32271, -32272, -32571, -32771 M000T33071 M000T46171 M000T93581 12V
			






IKA-No.	Original	References	Unit-Nos.
7 7168 1	Remy	1988121,1988122 1988439 w/o. brushes  brush set RX 134 (12V) 0 1282 1 brush set RX 134H (24V) 0 1259 1  complete kit 12V 7 7368 1 complete kit 24V 7 7468 1  latest models require: brush set RX 134-2C (12V) 0 1264 1 brush set RX 134H-2C (24V) 0 1265 1	10478809,10,20,24,36,39 92-94 10478918,31 42MT 12/24 Volt
7 7169 1	Remy	10475602  complete with 4 brushes	9000786, 798, 804-806, 812, 9000819-822, 827, 834, 835, 9000844, 850, 851, 853 PG260M 12 Volt
7 7175 1	Remy	10468705,10468706 10469238,10470140 w/o. brushes  brush set RX 135 (12V) 0 1283 1 brush set RX 135H (24V) 0 1260 1  complete kit 12V 7 7375 1 complete kit 24V 7 7475 1	37MT, 41MT series DD 12/24 Volt
7 7176 1	Remy	1979387,1979494 with terminal post w/o. brushes  brush set RX 122 (12V) 0 1280 1 brush set RX 122H (24V) 0 1256 1  complete kit 12V 7 7376 1 complete kit 24V 7 7476 1	40MT 400,450 12/24 Volt
7 7178 1	Remy	10456456 w/o. brushes  brush set RX 457-458 (12V) 0 1255 1 brush set RX 419-420 (24V) 0 1254 1  complete kit 12V 7 7378 1 complete kit 24V 7 7478 1	28MT 12/24 Volt








IKA-No.	Original	References	Unit-Nos.
7 7180 1	Remy	1984974,1985065 with terminal post w/o. brushes  brush set RX 124 (12V) 0 1281 1 brush set RX 124H (24V) 0 1257 1  complete kit 12V 7 7380 1 complete kit 24V 7 7480 1	50MT 12/24 Volt
7 7263 1	Remy	10472352 w. 4 brushes 10476006 w. 2 brushes  complete with 4 brushes	PG150, PG150S, PG260F1 9000785,-833,-839,-840,-847, -859,-871,872,-873,-884 21020-761,-893 21021-366
7 7264 1	Remy	10475107  complete with 4 brushes	SD80F 10455506,9627548
7 7368 1	Remy	1988121  Kit with brush set RX 134 IKA P/N 0 1282 1	42MT 12 Volt
7 7375 1	Remy	10468705  Kit with brush set RX 135 IKA P/N 0 1283 1	37MT, 41MT series DD 12 Volt



IKA-No.	Original	References	Unit-Nos.
7 7376 1	Remy	1979387 Kit with brush set RX 122 IKA P/N 0 1280 1	40MT 12 Volt
			
7 7378 1	Remy	10456456 Kit with brush set RX 457-458 IKA P/N 0 1255 1	28MT 12 Volt
			
7 7380 1	Remy	1984974 with terminal post  Kit with brush set RX 124 IKA P/N 0 1281 1	50MT 12 Volt
			
7 7468 1	Remy	1988439 Kit with brush set RX 134H IKA P/N 0 1259 1	42MT 24Volt
			
7 7475 1	Remy	10469238 Kit with brush set RX 135H IKA P/N 1260 1	37MT, 41MT series DD 24 Volt
			

IKA-No.	Original	References	Unit-Nos.
7 7476 1	Remy	1979494 Kit with brush set RX 122H IKA P/N 0 1256 1	40MT 24 Volt
			
7 7478 1	Remy	10456456 Kit with brush set RX 419-420 IKA P/N 0 1254 1	28MT 24 Volt
			
7 7480 1	Remy	1985065 Kit with brush set RX 124H IKA P/N 0 1257 1	50MT 24 Volt
			
7 7632 1	Remy Melco	39MT	19011501, 19011504, 19024196 M9T80472,-80473,-83671,-83672, 24 Volt
			

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>7 7146 1</b>	Valeo  VW	190987,191335,191824, 193288,200393 A1200393 02M 911 209F  complete with brushes PSX 163-164 IKA P/N 0 1740 1	D7GS8,D7GS10 TS18E1,TS18E3,TS18R123,TS18ER SIH anticlock VW Overload Protection Starters 02Z 911 024JX
	<b>7 7147 1</b>	Valeo	190097,190986,191141 191821,191823  limited stock replaced by 7 7149 1	D7G11, D7G3, D7G4, D7GS9 SH clockwise Overload Protection Starters Audi,BMW,PSA
	<b>7 7149 1</b>	Valeo	192984 190097,190986,191060,191141, 191821,191822,191823,191984  complete with brushes PSX 160-164 IKA P/N 0 1735 1  replacement for 7 7147 1 and 7 7148 1	D7G... SH clockwise Overload Protection Starters Audi/BMW Ford/PSA/Renault
	<b>7 7150 1</b>	Valeo	181 961 594 072 brush length 14.5 mm w/o. brushes and springs	D6RA8,10  PSX 146-147
	<b>7 7151 1</b>	Valeo	183 957, 186381 594 070 brush length 16.5 mm w/o. brushes and springs	D6RA5,6,12,16,18,20,61  PSX 148-149

IKA-No.	Original	References	Unit-Nos.
7 7152 1	Valeo	for 4 brushes w/o. brushes and springs  brush set PSX 129 IKA P/N 0 1766 1	D8E... / D9E...
			
7 7153 1	Valeo	for 2 brushes w/o. brushes and springs  brush set PSX 133 IKA P/N 0 1770 1	
			
7 7156 1	Valeo	for 2 and 4 brushes w/o. brushes and springs  brush set with 2 brushes PSX 138-139 IKA P/N 0 1775 1  brush set with 4 brushes PSX 140-141 IKA P/N 0 1776 1	D9R...
			
7 7157 1	Valeo	with 4 springs and 4 caps w/o. brushes  brush set PSX 142-143 IKA P/N 0 1779 1 brush set PSX 142-144 IKA P/N 0 1752 1 brush set PSX 142-145 IKA P/N 0 1754 1	D7R...
			
7 7159 1	Valeo	594290 3 brushes 594351 4 brushes  594479 4 brushes  complete with 4 brushes fits 3 brushes version  brush set PSX 155 (3) IKA P/N 0 1727 1 brush set PSX 155 (4) IKA P/N 0 1728 1	D7E 1,16,29-32,39-42 D7E 4,6,8,15,18-20,22,23,27,38,52,70 D7ED28,281 D7E62,79 SH 12 Volt clockwise  PSA  Mercedes A-class, Renault
			

	IKA-No.	Original	References	Unit-Nos.
<p><b>NEW</b></p> 	7 7159 2	Valeo	594290 3 brushes 594351 4 brushes  594479 4 brushes  alternative product  O.E. product = 7 7159 1	D7E1, 16, 29-32, 39-42 D7E4, 6, 8, 15, 18-20, 22, 23, 27, 38, 52, 70 D7ED28, 281 D7E62, 79 SH 12 Volt clockwise
	7 7165 1	Valeo	555649, 594381 187946 complete with 4 brushes  brush set PSX 156 IKA P/N 0 1726 1	D7ES 2, 4-7 SIH 12 Volt anticlock  VW
	7 7601 1	Valeo	199411 brush holder with bracket  with two component brushes	D6G... SIH anticlock VW
	7 7602 1	Valeo	594674 195253 brush holder with bracket  with two component brushes	D6G... SH clockwise
	7 7603 1	Valeo	195713 brush holder with bracket  with two component brushes	

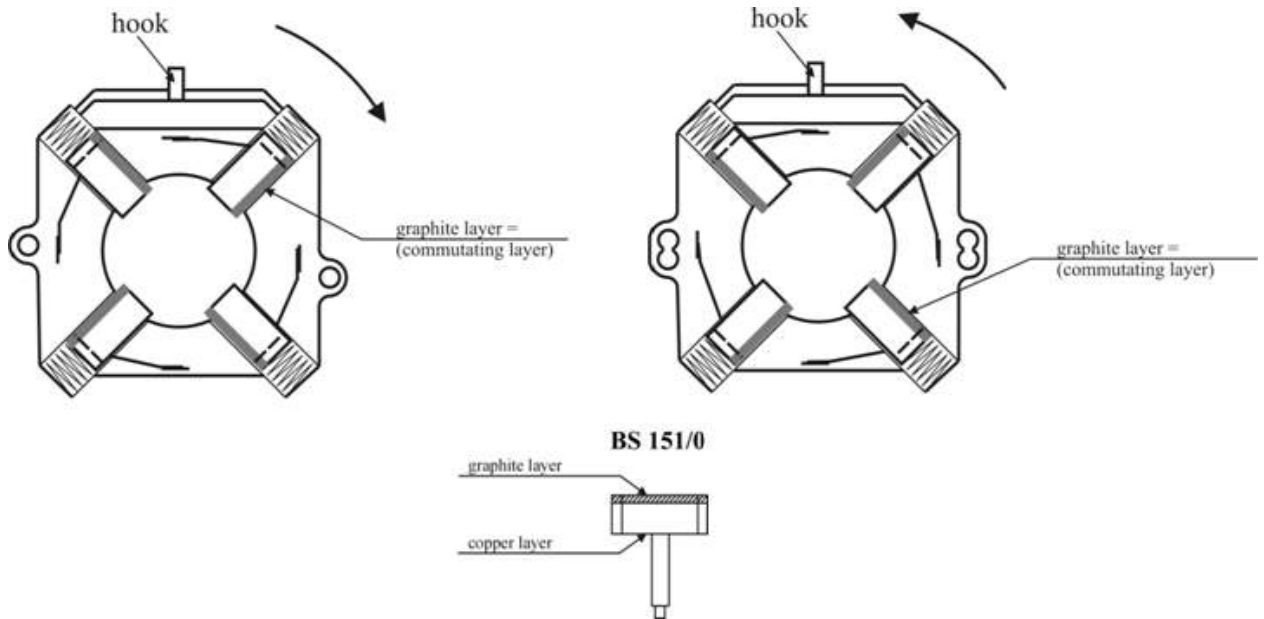
	IKA-No.	Original	References	Unit-Nos.
	7 7604 1	Valeo	594706 194404 brush holder with bracket  with two component brushes	D6G3.. SH clockwise
<b>NEW</b> 	7 7633 1	Valeo Korea  Hyundai/Kia		TM000A27301, TM000A27601 TM000A31001, TM000A37001 36100-22800 12V

# Assembly Instructions for Bosch Gear-Starter Brushes

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

7 7130 1 clockwise rotation EV(R)

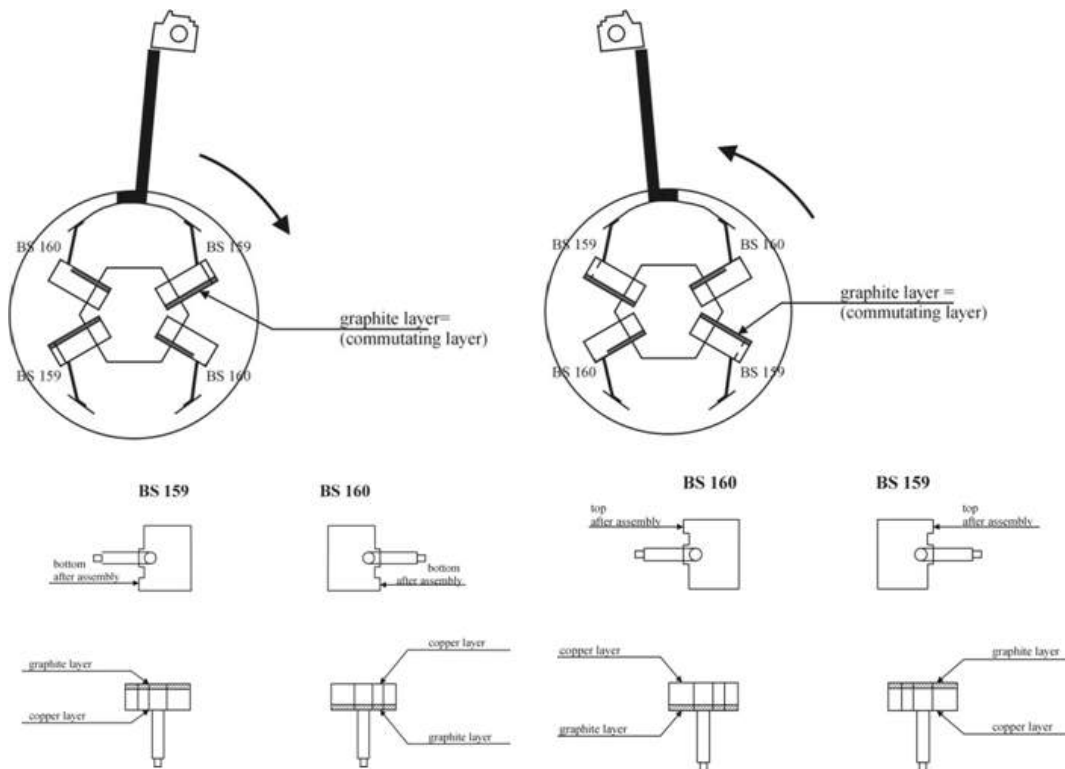
7 7133 1 anticlock rotation EV(L)



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

7 7124 1 clockwise rotation DW(R)

7 7128 1 anticlock rotation DW(L)





# Assembly Instructions for Brush holder with 6 brushes

Brush holder 7 7538 1 with 3 x BS 234 and 3 x BS 235

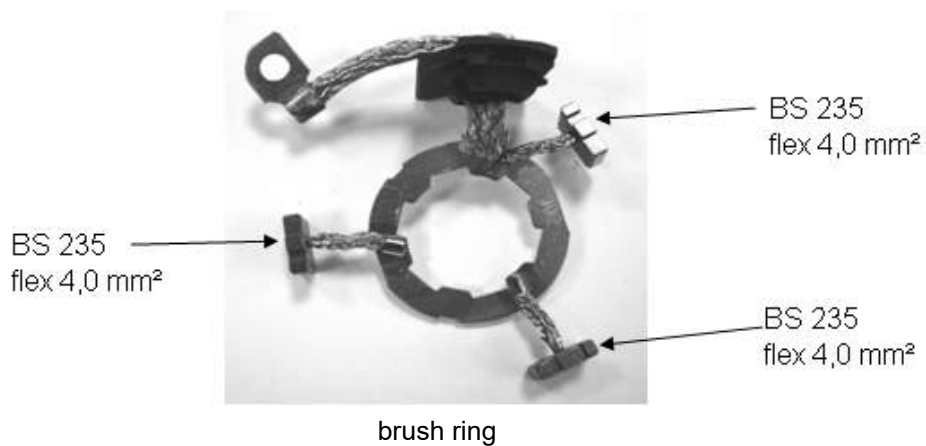
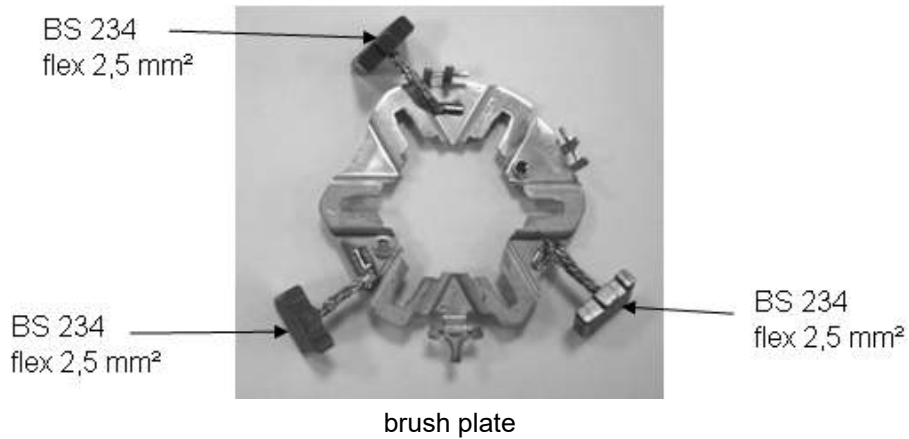
SF78-M 12V (L) VW Start/Stop Overload Protection Starters



bottom



top



## Attention!

( L ) anti clock rotation: all brushes with assembly mark left in direction to brush ring

( R ) clockwise rotation: all brushes with assembly mark right in direction to brush plate



# 3



STARTERRITZEL

STARTER DRIVES

LANCEURS DE DEMARREUR

















IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5174 1	Belarus	CT212-3708600	16/36 x 107 10 teeth Splines 4 E CW	CT212-3708000 CT212-394057 CT212-PT12880
				
<b>NEW</b> 4 5178 1	Belarus	CT352-37086003	16/36 x 107 10 teeth Splines 12 E CW	CT352-3708000
				

# STARTERRITZEL STARTER DRIVES

# BOSCH


IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5000 1</b> 	Bosch	2 006 380 558 2 006 381 558 3550	41 x 120 11 teeth	0 001 401 002,044,045,046 0 001 402 002,051,052,053, 057
	Femsa Fiat Iskra Marelli	9008738 18 100 021 74372580,74372630	CW	0 001 501 003,020,032 11 130 158
<b>4 5001 1</b> 	Bosch	2 006 380 010 2 006 380 410 2 006 381 010 2 006 381 410	35 x 120 9 teeth	0 001 401 007,025,041,049,050,051 052,061,066,074
	CAV Fiat Iskra Marelli	5549 306BJ 8122125,9004794,9923779 18 100 098 74372530	CW	0 001 402 008,050,054,055,058,059, 060,061,071,075,080,081, 083 0 001 501 001,038
<b>4 5002 1</b> 	Bosch	2 006 209 452 2 006 209 495 2 006 209 532	14.3/40 x 91 10 teeth	0 001 362 302,324 0 001 367 002,017,020,047,048, 051,057,066,070,071, 076,077,302
	DAF Fiat Iveco	067031 9959813 93159768	Splines 10 E CW	0 001 368 023,034,040,044,052, 060,066,068,070,072, 076,082,087,306,312, 0 001 369 002,012 9 000 143 412,415,416,601
<b>4 5003 1</b> 	Bosch	2 006 209 471	12/26 x 71 9 teeth	0 001 362 047,069,070,077, 078,083
	Iskra MB Volvo VW	16 900 920 A 000 151 68 13 000 151 68 13 1257680 069 911 335	Splines 10 E CW	11 130 300 11 130 399
<b>4 5005 1</b> 	Bosch	086 264 492 2 006 209 492 2 006 209 529 2 006 209 530 2 006 209 536 2 006 209 930	14.3/35 x 91 9 teeth	0 001 362 051,063,096,097,300, 306,309
	Fiat MB Remy	79034927,8122157,9959619 A 001 151 00 13 001 151 00 13 190245520 19025715	Splines 10 E CW	0 001 363 116 0 001 364 301 0 001 366 018,021 0 001 367 001,004,005,007,010, 011,012,014,019,021, 023,026,027,030,031, 034,039,045,046,049, 050,052,059,068,074, 300,301,303 0 001 368 001,002,003,005,007, 008,010,011,012,013, 014,017,018,021,022, 024,028,030,031,032, 033,035,047,055,061, 062,063,300,301





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5006 1</b> 	Bosch MB	1 006 209 523 9 003 336 291 A 000 151 95 13 000 151 95 13	12/28 x 64 10 teeth Splines 10 E CW	0 001 218 006,016,021,029,108 109,110,150,156,160 0 001 219 001,007,009,013
<b>4 5007 1</b> 	Bosch Fiat VW	1 006 209 543,544,576, 596,703,710, 918,919,921 1 007 010 045 9944373 020 911 335 B	12/26 x 58 9 teeth Splines 10 E AC	0 001 108 094,095,127 110 001,002,014,015,076 077,098,099,133 112 003,004,038,039 113 011,012 114 005,006
<b>4 5008 1</b> 	Bosch Fiat Iveco	9 002 336 283 9939710 42531397	12/36 x 62 9 teeth Splines 10 E CW	0 001 218 014,019,024,101 102,103,154,159 163,164,167,174
<b>4 5010 1</b> 	Bosch VW	1 006 209 553,558,565, 583,591,910, 911,922 021 911 335	12/28 x 79 10 teeth Splines 10 E AC	0 001 107 005,006 108 076,077,096 110 069,070,086,87 118,119 114 009,010
<b>4 5014 1</b> 	Bosch VW	1 006 209 552,594,912 02A 911 335 D	12/28 x 79 10 teeth Splines 10 E AC	0 001 110 031,032,061,062 084,085
<b>4 5015 1</b> 	Bosch VW	1 006 209 579,917 9 001 081 010 F 000 AL1 704 02A 911 335 C	12/28 x 76 10 teeth Splines 10 E AC	0 001 107 003,004,022,023 9 000 081 001,002







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5017 1</b> 	Bosch	1 006 209 584 1 006 209 600 1 006 209 686 9 001 081 033 9943565 5835.A8 7701049503 053 911 335 A	12/26 x 54 9 teeth Splines 10 E CW	0 001 106 012,017,022,023 107 009,012,013,015 017,018,019,025 026,034,044,045 056,070,071 100,101 9 000 081 004
	Fiat PSA Renault VW			
<b>4 5021 1</b> 	Bosch	1 006 209 618,638,667, 672,677,690, 787,937 9947831 90543728	12/26 x 49 9 teeth Splines 10 E CW	0 001 107 037,048,054,055,067 068,069,072,073,074 076,094,095,096 0 001 108 162,166,167,172,173 174,175,178,188,189 199,204 0 001 109 018 0 001 115 002,007,012,015,020,024
	Fiat Opel			
<b>4 5022 1</b> 	Bosch	1 006 209 621 1 006 209 648 1 006 209 699 02T 911 335 047 911 335 D	11/28 x 81 10 teeth Splines 16 E AC	0 001 124 001,002,005,006 0 001 125 001,002,007,008, 011,012,013,021, 022,031,042,051
	VW			
<b>4 5024 1</b> 	Bosch	1 006 209 628 1 006 209 649 1 006 209 758 047 911 335 F	11/28 x 81 9 teeth Splines 16 E AC	0 001 124 003,004,013,014 0 001 125 005,006,009,035
	VW			
<b>4 5025 1</b> 	Bosch	1 006 209 624,633,692, 696,706,715, 944 9948703	12/26 x 47 9 teeth Splines 10 E CW	0 001 106 011,014,015 0 001 107, 047,063,077 091,097 0 001 108 171,176,184 0 001 112 035,041 0 001 116 003
	Fiat			
<b>4 5031 1</b> 	Bosch	1 006 209 645 1 006 209 802 1 006 209 950 9947843	12/29 x 49 9 teeth Splines 10 E CW	0 001 109 025,030,033,035,045 200,201,253,267-270
	Fiat			









IKA-No.	Original	References	Dimensions	Unit-Nos.
 <b>4 5032 1</b>	Bosch Fiat	1 006 209 634,660,779,792 77363343	12/30 x 49 9 teeth Splines 10 E CW	0 001 107 062 108 157,169
 <b>4 5033 1</b>	Bosch Renault	1 006 209 671 77 01 044 934	12/30 x 49 11 teeth Splines 10 E CW	0 001 108 180,182,186
 <b>4 5035 1</b>	Bosch Fiat MB PSA	1 006 209 631,635,678 77362114 A 001 151 27 13 001 151 27 13 5835.F3	12/28 x 49 10 teeth Splines 10 E CW	0 001 108 183 0 001 109 036,250 0 001 110 112 0 001 115 001,008
 <b>4 5036 1</b>	Bosch	1 006 209 681 1 006 209 943	12/28 x 104 10 teeth Splines 16 E AC	0 001 125 016,017,018,019 046,047,048,049 605,606
 <b>4 5038 1</b>	Bosch Iveco Renault	6 033 AD0 077 6 033 AD1 002 42535270 50 01 856 564	12/36 x 62 9 teeth Splines 16 E CW	0 001 223 003,007
 <b>4 5039 1</b>	Bosch DAF Iveco John Deere	6 033 AD0 184 6 033 AD0 200 6 033 AD4 019 9 002 336 237 1382550 42537064 RE 50 881 3	14.3/40 x 82 10 teeth Splines 10 E CW	0 001 230 004,008,009 231 012,016,017







IKA-No.	Original	References	Dimensions	Unit-Nos.
 <b>4 5040 1</b>	Bosch  MB	0 952 236 000 6 033 AD0 442 6 033 AD0 462 6 033 AD3 006 6 033 AD3 108 6 033 AD3 244 6 033 AD3 850 6 033 AD4 034 9 002 336 236 001 151 18 13 001 151 32 13	14.3/34 x 82 9 teeth Splines 10 E CW	0 001 230 001,006,012 231 002,003,005,018
 <b>4 5042 1</b>	Bosch  Fiat	1 006 209 653 1 006 209 751 1 006 209 947 9948378	12/26 x 49 9 teeth Splines 10 E CW	0 001 109 041,048,061,063 252,256,264
 <b>4 5046 1</b>	Bosch  Opel VW	1 006 209 793 1 006 209 801 1 006 209 807 93176041 03G 911 335 B	11/26 x 48 9 teeth Splines 16 E CW	0 001 107 401- 406 408,409,421 427,428,435 436,446,447
 <b>4 5047 1</b>	Bosch	1 006 209 804	11/27 x 48 10 teeth Splines 16 E CW	0 001 107 407,410 417,418
 <b>4 5048 1</b>	Bosch	1 006 209 812	11/28 x 48 10 teeth Splines 16 E CW	0 001 108 400
 <b>4 5051 1</b>	Bosch Toyota	1 006 209 695 28011-0D030	12/35 x 47 11 teeth Splines 10 E CW	0 001 107 088 28100-0D030



IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5057 1</b> 	Bosch	2 006 209 241 2 006 209 242 2 006 209 249 2 006 209 331 2 006 209 332 000 151 83 13	12/26 x 73 9 teeth Splines 10 E CW	0 001 362 001,003,004,007, 027,028,029,030
	MB			
<b>4 5058 1</b> 	Bosch	2 006 209 470 2 006 209 483 9 001 451 343	14..3/35 x 74 9 teeth Splines 10 E CW	0 001 362 039,062,073,102,105, 322,323 0 001 363 111,122 4728682
	Fiat Iveco	79026090,9936730,9937949 9956676,9983629 79026090		
<b>4 5059 1</b> 	Bosch	2 006 209 449 2 006 209 469 2 006 209 476 2 006 209 485 2 006 209 504 60732870 19024524 2199120	14.3/34 x 74 9 teeth Splines 10 E CW	0 001 362 034,036,040,041,046, 046,050,053,072,074, 075,076,091,305,308, 311,313,314,320 0 001 363 107,109,110,112,113, 114,115,124 0 001 366 001,002,004,009,014, 014,015,017,020,022, 0 001 369 014,024
	Fiat Remy Volvo			
<b>4 5061 1</b> 	Bosch	1 006 209 503,504,506,509, 513,526,528,530, 531,536,548,563, 567,570,572,573, 582,597,619,684, 685,693,694,701, 702,705,707,709, 711,906,939 9 001 081 002 F 000 AL1 040,514,516,534,698,700 60734324,60808596 9941314,9943481,9947424 6118837 82GB11350AA 87GB11350BA V86BB11350AA 1203188,90273737, 90444703 583571,583579,583599, 5835.A4 1363534,3343937,3344825	12/26 x 58 9 teeth Splines 10 E CW	0 001 108 001,002,003,007,009,010 011,012,016,017,018,019 022,023,024,026,027,028 029,030,031,035,038,043 044,047,048,051,052,053 056,061,062,064,072,073 074,078,079,080,081,084 085,086,088,089,090,093 098,101,102,107,109,112 113,114,120,124,125,126 130,133,136,138,143,148 149,150,153,159,170 0 001 109 059,060 0 001 110 012,022,023,027,029,030 045,046,048,049,052,063 100,101,106,107,122,123 126,128,129 0 001 112 005,006,007,008,013,015 022,024,025,027,028,029 044,045 0 001 113 001,002,004,005,006,007 008,013,014 0 001 114 003,004,015,016 0 001 116 005 0 001 208 501,507,510,515,516,517 518,526,528,705,707,709 710,711,713,714,717 0 001 211 500,501,502,503,504,505 510,514,525,526,529,530 536,538 9 000 081 003 9 000 333 104,106,109
	Fiat Ford Opel PSA Volvo			

IKA-No.	Original	References	Dimensions	Unit-Nos.
 4 5062 1	Bosch Ford PSA	2 006 209 431 6122080 583563	14.3/27 x 74 10 teeth Splines 10 E CW	0 001 362 081,602,603,606,607
 4 5063 1	Bosch MAN Remy	2 006 209 425 2 006 209 494 81 26213 6003 19024525	14.3/41 x 91 11 teeth Splines 10 E CW	0 001 362 064,301,303,304 0 001 363 118 0 001 366 008 0 001 367 008,009,013,015, 018,024,032,043, 067 0 001 368 006,009,015,025, 039,041
 4 5064 1	Bosch Fiat VW Volvo	9 001 140 317 9 003 336 293 5984563 5985182 046 911 342 AC 069 911 335 A 1367414	12/26 x 62 9 teeth Splines 10 E CW	0 001 218 001,004,005,008,010,012 013,017,018,025,107,111 112,113,114,115,120,121 130,131,133,141,145,146 147,155 0 001 219 004,008
 4 5065 1	Bosch	6 003 AD5 055 6 003 AD5 078	20.8/30 x 128 19 teeth Splines 7 E CW	0 001 241 003,004 005,006,007 014,015,019
 4 5066 1	Bosch Iveco	1 006 209 818 1 006 209 964 500053150	12/36 x 54 9 teeth Splines 10 E CW	0 001 109 300,302
 4 5070 1	Bosch Toyota	1 006 209 799 1 006 209 981 28011-0D130	11/29 x 48 9 teeth Splines 10 E CW	0 001 107 423,433,434 6 004 A94 449







IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5077 1	Bosch	1 006 209 785 1 006 209 961	11/28 x 91 10 teeth Splines 16 E AC	0 001 123 014-017 0 001 123 020, -021
				
4 5082 1	Bosch Fiat	1 006 209 607, -670, -675 F 000 AL1 250 9947838	12/29 x 47 9 teeth Splines 10 E CW	0 001 107 030, -066, -075, -078, -079, -081 46468696
				
4 5083 1	Bosch	2 006 209 466	14.3/47 x 74 12 teeth Splines 10 E CW	0 001 362 307
				
4 5084 1	Bosch	2 006 209 458 2 006 209 543 2 006 209 544	14.3/37 x 91 9 teeth Splines 10 E CW	0 001 367 072 0 001 368 069, -083 0 001 369 007, -019, -025
				
4 5085 1	Bosch	1 006 209 602	12/30 x 54 9 teeth Splines 10 E AC	0 001 107 024
				
4 5086 1	Bosch	6 033 AD0 004	12/30 x 58 9 teeth Splines 16 E CW	0 001 223 001
				






IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5090 1</b>	Bosch	9 002 336 216	12/30 x 62 9 teeth Splines 10 E CW	0 001 218 143 0 001 218 144 0 001 218 171
				
<b>4 5095 1</b>	Bosch	1 006 209 683 F 002 G20 517	12/35 x 49 9 teeth Splines 10 E CW	0 001 107 083 F002 G20 516
				
<b>4 5101 1</b>	Bosch	1 006 209 755 1 006 209 783 1 006 209 949 1 006 209 960	11/29 x 90 9 teeth Splines 16 E CW	0 001 124 020, -021 0 001 125 053, -054, -600, -601
				
<b>4 5105 1</b>	Bosch	0 399 D53 002 2 006 209 558 2 007 010 160 6 033 AD5 359	21/30 x 130 19 teeth Splines 7 E CW	0 001 241 001, -008, -024, -119 0 001 261 004, -006, -013, -025 -026, -028
				
<b>4 5107 1</b>	Bosch	6 033 AD 115 6 033 AD4 001	14.3/36 x 82 11 teeth Splines 10 E CW	0 001 231 006
				
<b>NEW 4 5114 1</b>	Bosch	2 006 209 465	14.3/36 x 74 11 teeth Splines 10 E CW	0 001 362 700
				







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5115 1	Bosch	1 006 209 420	12/34 x 64 9 teeth Splines 10E AC	0 001 311 056 0 001 314 016
				
<b>NEW</b> 4 5127 1	Bosch	1 006 209 824 1 006 210 128 1 006 210 146	12/39 x 56 12 teeth Splines 10 E CW	0 001 109 205, 0 001 109 304, 0 001 109 305 0 001 109 324, 0 001 109 325, 0 001 109 328 0 001 109 387, 0 001 109 391
				
<b>NEW</b> 4 5133 1	Bosch	6 033 AC5 149 6 033 AC5 246		0 001 241 001, -003, -004, -005, -006, -007 -014, -015, -019, -020 0 001 261 012
				
<b>NEW</b> 4 5134 1	Bosch	2 006 209 477 2 006 209 501	12/28 x 71 10 teeth Splines 10E CW	0 001 363 106 0 001 363 119 0 001 363 120
				
<b>NEW</b> 4 5135 1	Bosch Fiat	1 006 209 540 9939784	12/30 x 58 11 teeth Splines 10 E CW	0 001 108 025 0 001 108 146
				
<b>NEW</b> 4 5139 1	Bosch	1 006 209 629 1 006 209 929	12/26 x 47 10 teeth Splines 10 E CW	0 001 107 043, 0 001 107 087 0 001 113 010, 0 001 113 017
				






IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5140 1	Bosch	1 006 209 601 1 006 209 924	12/30 x 70 9 teeth Splines 10 E CW	0 001 109 008 0 001 109 043
				
<b>NEW</b> 4 5141 1	Bosch	6 033 AD0 267 6 003 AD3 106	14.3/40 x 82 11 teeth Splines 10 E CW	0 001 230 002
				
<b>NEW</b> 4 5144 1	Bosch	1 006 209 805 1 006 209 814 1 006 209 958	11/30 x 48 9 teeth Splines 16 E CW	0 001 107 411, -425, -426, -490, -491
				
<b>NEW</b> 4 5145 1	Bosch	1 006 209 072 1 006 209 073 1 006 209 107	12/30 x 68 9 teeth Splines 10 E AC	0 001 214 002 0 001 311 035
				
<b>NEW</b> 4 5150 1	Bosch John Deere	6 033 AD0 102 6 033 AD3 078 SDV38236	14.3/34 x 84 11 teeth Splines 10 E CW	0 001 230 003
				
<b>NEW</b> 4 5151 1	Bosch	1 006 209 608 1 006 210 184	12/27 x 53 10 teeth Splines 10 E CW	0 001 137 003, -005 0 001 138 011, -012, -029, -037
				








IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5156 1	Bosch	1 006 209 436	12/34 x 64 9 teeth Splines 10 E CW	0 001 314 017
				
<b>NEW</b> 4 5157 1	Bosch	1 006 209 524 1 006 384 642 6 003 AD0 044 9 002 336 209 9 003 336 280	12/30 x 62 9 teeth Splines 10 E CW	0 001 218 009, 011, 026-28 0 001 218 122, 135, 136, 153 0 001 218 177, 735, 736,
				
<b>NEW</b> 4 5162 1	Bosch	1 006 209 636 1 006 209 643 1 006 209 759	11/26 x 90 9 teeth Splines 16 E AC	0 001 124 007, 008, 011, 012 0 001 125 003, 004, 010
				
<b>NEW</b> 4 5166 1	Bosch	1 006 209 642	12/28 x 49 10 teeth Splines 10 E CW	0 001 109 014
				
<b>NEW</b> 4 5172 1	Bosch	1 006 209 796	11/26 x 47 9 teeth 10 E CW	0 001 107 429 0 001 107 437 0 001 108 444
				
<b>NEW</b> 4 5173 1	Bosch	1 006 209 425 9001082324 9001082748 F 000 AL1 001	12/30 x 64 11 teeth Splines 10 E CW	0 001 208 218, 408, 422 0 001 211 246 0 001 311 116, 119, 123, 129, 130, 133 0 001 315 005 0 001 316 010 9000082021, 9000082040, 9000333112, 4470377 7501995
	Fiat	7073094 9932923		


IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5175 1	Bosch	1 006 209 522 F 000 AL1 520	11/26 x 58 9 teeth Splines 10 E AC	0 001 110 001, 002, 014, 015, 133, 134 0 001 117 008 0 001 125 015 068 911 023 DX 068 911 023 EX
				
<b>NEW</b> 4 5176 1	Bosch	1 006 209 510, 516, 537 1 006 209 545, 566, 568 1 006 209 587, 603, 905 1 006 209 907 1 006 210 145	12/27 x 58 10 teeth Splines 10 E CW	0 001 107 014, 016, 027, 028, 029, 041 0 001 108 004, 020, 033, 037, 039, 040 0 001 108 057, 071, 082, 083, 087, 106 0 001 108 110, 111, 121, 122, 128, 132 0 001 108 139, 140, 152, 155, 158 0 001 110 013, 019 0 001 112 009, 012, 016, 020, 033 0 001 113 003, 005, 009 0 001 114 008, 014, 017, 020, 021, 022 0 001 208 513, 514, 521, 706, 715, 718 0 001 211 512, 513, 515 9000333120
				
<b>NEW</b> 4 5177 1	Bosch  Fiat	1 006 209 538, 539, 546, 691  9940740	12/28 x 58 10 teeth Splines 10 E CW	0 001 110 003, 005, 016, 024, 025, 026, 039, 053, 054, 055 0 001 110 075, 078, 079, 082, 089, 091, 092, 095, 102, 113 0 001 110 114, 115, 124, 125 7580192
				
<b>NEW</b> 4 5179 1	Bosch	6 033 AD0 422	12/35 x 58 9 teeth Splines 10 E CW	0 001 218 818
				
<b>NEW</b> 4 5183 1	Bosch	1 006 209 534, 547, 549, 554, 559 9 001 066 242, 247, 248, 476 9 001 690 111	12/29 x 58 9 teeth Splines 10 E CW	0 001 107 033, 061 0 001 108 042, 054, 063, 065, 100, 108, 115, 117, 129, 131 0 001 108 145, 210 0 001 109 009 0 001 110 011, 028, 041, 042, 111, 130 0 001 111 003 0 001 115 035 9 000 694 008
				

IKA-No.	Original	References	Dimensions	Unit-Nos.	
	4 5091 1	Denso	11/29 x 43 9 teeth Splines 10 E CW	428000-0670 428000-0680 428000-1750, -1760	
	4 5109 1	Denso	11/32 x 43 12 teeth Splines 10 E CW	428000-4600 428000-5510 428000-5511	
	<b>NEW</b> 4 5116 1	Denso Daihatsu Isuzu Kubota Toyota	028300-1730, -2011, -2012 -2017, -3952, -4550 -4551, -5090, -5091 28011-54010 5811240040 14182-63041 28011-54010	41 11 teeth CW	028000-5300, -5530, -5550, -5551, -5560, -5570, -5651, -5691, , -5833, -5850, -5860, -5870, -5890, -6012, -6200 ... 12800-0380, -0383, -0520, -0530, -0972, -1000 ...
	<b>NEW</b> 4 5123 1	Denso	11/30 x 53 11 teeth Splines 10 W CW	228000-7791	
	<b>NEW</b> 4 5143 1	Denso Toyota	028300-7700, -7790, -8150 28011-54380 28011-55050	38 x 83 10 teeth CW	128000-9860, -9870, -9880 228000-3622 28100-54380
	<b>NEW</b> 4 5152 1	Denso Toyota	028300-1810 028300-1811 028300-1812 15451-63041	35 9 teeth CW	028000-5000, -7730, -7731, -7732 128000-6860, -6861

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5153 1	Denso	028300-5380 028300-5381	CW	028000-5300, 5530, 5550, 5551, 5560, 5570, 5691, 5890, 6200 028000-6290, 6340, 6461, 6590, 6880, 6891, 6900, 6910, 6950 028000-7240, 7810, 8070, 8072, 8840, 8841, 9331 128000-0383, 0520, 0530, 0972, 1571, 1574, 1581, 1790, 3080 128000-3514, 4100, 5381, 6830, 6833, 7280, 7283, 7290, 7933 128000-9582 228000-0271, 0282, 0292, 0571, 1591, 1661, 1671, 2660, 3080 228000-3090, 3100, 3710
				
<b>NEW</b> 4 5163 1	Denso  Toyota	028301-0010 023801-0080 023801-0190	CW	128000-8210, 128000-8780, 128000-9520 228000-0410, 228000-2120, 228000-2260 228000-2520, 228000-2840 28100-54380, 28100-76070
				
<b>NEW</b> 4 5168 1	Denso	NIP020CU	CW	
				
<b>NEW</b> 4 5181 1	Denso  Toyota	028099-2700  28011-54070	40 x 102 11 teeth  CW	028000-7373, 8760, 8761, 8762 128000-0362, 7353, 8142, 8152, 9591, 9592 228000-0400, 0640, 1300 28100-54100, 54170, 54310, 54700
				
<b>NEW</b> 4 5185 1	Denso  Iveco	028300-3690, 3691, 3950, 5450 028300-6690, 6691, 6692	40 10 teeth  CW	228000-5641, 5720, 5721, 5722, 5723, 7550 99432760, 99486046
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
	4 5027 1	Ford-Visteon 106688 10670-F7RU	12/45 x 47 13 teeth Splines 12 E CW	97VB-11000-AB 98VB-11000 98VB-11000-B1A 98VB-11000-B3B 98VB-11000-BA
	4 5044 1	Ford-Visteon	12/38 x 47 12 teeth Splines 12 E AC	1S7U-11000-BA, BB, BC 2S7T-11000-DA 97CA-11000-AB XS7U-11000-AB, BA YC1U-11000-AA, AB, AE
	4 5069 1	Ford-Visteon	12/36 x 47 11 teeth Splines 12 E CW	3M5T11000CD, CE, DC 4M5T11000FA
<b>NEW</b> 	4 5121 1	Ford-Visteon	12/27 x 46 10 teeth Splines 12 E CW	98AB11000CB YS4U11000AA YS4U11000AB
<b>NEW</b> 	4 5122 1	Ford-Visteon		1S7U11000BA, 1S7U11000BB, 1S7U11000BC 2S7T11000DA, 97CA11000AB, XS7U11000AB XS7U11000BA, YC1U11000AA, YC1U11000AB YC1U11000AE






IKA-No.	Original	References	Dimensions	Unit-Nos.
	Hitachi Nissan	2114-15507 2114-85501 2130-75004 23312-06T00 23312-10G00 23312-11M00 23312-W1700	36 x 87 9 teeth  CW	S114-357B S114-367 S114-395A S13-101,102,104,105, 105A,326,327,502A, 69,81,92A
<b>NEW</b> 	Hitachi	2250-45006	64/40 x 132 11 teeth  AC	S25-505, -A, -C, -E, -F, -G
<b>NEW</b> 	Hitachi Isuzu	2130-25005 2140-1500, -15003 8944355630	54/33 x 94 9 teeth  CW	S13-111, -112, -113, -114 S14-03 8944104090, 8944179250, 8944339120
<b>NEW</b> 	Hitachi Fiat		12.5/28 x 38 10 teeth Splines 10 E CW	S114-905, S114-906, S114-907 55193356
<b>NEW</b> 	Hitachi Nissan	2130-15005 2130-15505 2130-95007 23312-43G00	36 x 94 9 teeth  CW	S13-106 S13-106B S13-126
<b>NEW</b> 	Hitachi		12.5/34 x 38 13 teeth Splines 10 E CW	S114-829, S114-829A S114-829B, S114-829C

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5170 1	Hitachi	2130-35009, 2130-75002 2130-75003, 2130-75504 2130-85003, 2130-85004	33 x 87 9 teeth	S114-338A S13-75, S13-82, S13-87 S13-89A, S13-89B, S13-92 23300-25F00
	Nissan		CW	

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5180 1	Iskra	16 900 117	14.3/35 x 82 9 teeth Splines 10 E CW	11 130 026 11 130 141 11 130 151 11 130 198





IKA-No.	Original	References	Dimensions	Unit-Nos.
 4 5075 1	Lucas Marelli	54293455 54293455	12/28 x 50 8 teeth Splines 9 E CW	26814A 63226814
 4 5103 1	Lucas Marelli	54268140, TNB167 85541459	17/46 x 70 13 teeth Splines 12 E CW	27501A/E, 27531A/D, 27577 63227501
<b>NEW</b>  4 5113 1	Lucas Marelli	54247393, 54268139, 54290585 TMB148, TMB170 85541462, 85541466	17/39 x 70 10 teeth Splines 12 E CW	27500A/J, 27504A/B, 27506A/D, 27554A/B 27507A/B, 27511A, 27516A/D, 27562A/B, 27569A 63227553, 63227554
<b>NEW</b>  4 5130 1	Lucas	54247034, 54247036 54247134, 54295155 60600024, TMB120	17/39 x 73 teeth 10 Splines 12 E CW	26236L, 26256H, 26288F ...
<b>NEW</b>  4 5158 1	Lucas	54243783 54246738 54246896 54247187 TMB115	17/39 x 70 10 teeth Splines 12 E CW	26211U, 26227R, 26227V, 26265J, 26265M 26291E, 26305D, 26305N, 26312B, 26316A 26316D, 26316M, 26329A, 26329L, 26329D 26329K, 26338A, 26338F, 26339A, 26339K 26341A, 26341J, 26352A, 26352L, 26379A 26379F, 26395A, 26395H, 26430A, 26430D 26431A, 26431B

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5161 1	Lucas	54268141 54294922 TNB108	17/39 x 73 10 teeth Splines 12 E CW	27502A, 27502D, 27503A, 27503D, 27510, 27513A 27514A, 27514B, 27515A, 27515E 27518A, 27518E, 27519A, 27519D, 27522A, 27522D 27523A, 27523D, 27524A, 27524B, 27525A, 27525B 27526A, 27526D, 27527A, 27527B, 27532A, 27532D 27536A, 27536D, 27537A, 27537B, 27538A, 27538D 27539A, 27539F, 27540A, 27540H, 27541A, 27514D 27550A, 27550B, 27559A, 27559E, 27565B, 27565D 27568A, 27570A, 27570F, 27571A, 27571B 27572A, 27572B, 27573, 27574 27583D, 27588A, 27588B 63227502, 63227510, 63227515, 63227518, 63227523, 63227539 63227541, 63227559, 63227565, 63227568, 63227570, 63227571 63227572, 63227574, 63227582, 63227583, 63227584, 63227585 63227588, 63227589, 63227590, 63227591, 63227592, 63227593 63227594, 63227596, 63227597, 63227598, 63227599, 63227600 63227602, 63227603
	Marelli	54268141 54294922 85541454 85541479		









# STARTERRITZEL STARTER DRIVES

# MARELLI/FIAT

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5018 1	Fiat	9945556	11.5/26 x 64 9 teeth Splines 6 E CW	46414994,5504,6879,6897 7733966 7772459,2462 7785949 63101000,1002,1008 63102003,2004,2007,2008 63103002,3003,3025,3026 63222889,2900,2901,2905, 2908,2909,2936, 3035,3085,3101, 3108,3109,3200, 3303
	Marelli	85540971 85541780		
4 5029 1	Marelli	85540831 85541050	12/28 x 53 10 teeth Splines 10 E CW	63223433
4 5073 1	Marelli		12/29 x 64 9 teeth Splines 10 E CW	63114017
4 5079 1	Fiat	9941306	11.5/26 x 64 9 teeth Splines 12 E CW	7589547, 7589655 63222831, -832, -833 63222836, -837, -838 63222897, 63223001, 63223031 63223032, 63223033, 63223034
	Marelli	85540411		
4 5080 1	Fiat	4059392 4061018	12/27 x 64 8 teeth Splines 2 R AC	4050812, 4060912, -919 4060920, 4126193 63220101, -106, -402, -403 63220432, -433
	Marelli	74868261		
4 5093 1	Marelli	83226407 85541300	12/35 x 50 11 teeth Splines 10 E CW	428000-0660 63113001, -3002 63193001 63280071

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5094 1</b>	Marelli Nissan	54294771 23354-2F200	12/28 x 66 8 teeth Splines 10 E CW	63111001, 63191001, 63223534 23300-2F000, -4E210, -53J11, -63J10, -63J11, -70J12
				
<b>4 5100 1</b>	Marelli		12/29 x 64 9 teeth Splines 10 E CW	63114017
				
<b>4 5104 1</b>	Marelli		12/40.5 x 73 10 teeth Splines 10 E CW	63280040, 63280041
				
<b>NEW 4 5117 1</b>	Marelli	85541390	11/26 x 58 9 teeth Splines 12 E CW	63101007 63191007
				
<b>NEW 4 5118 1</b>	Marelli	85541220	12/28 x 62 8 teeth Splines 6 E CW	63102000 63192000 63223106
				
<b>NEW 4 5126 1</b>	Fiat Marelli	9948135 83226569 85541700	12/35 x 64 9 teeth Splines 10 E CW	131955508 63114014
				







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5128 1	Marelli Fiat	74893901 9939915	11.5/26 x 64 9 teeth Splines 12 E CW	
				
<b>NEW</b> 4 5129 1	Marelli Fiat	72159801 85540151 79081045, 7984505, 9961781	14.3/35 x 77 9 teeth Splines 6 E CW	63216731, 63216741, 63216831, 63216896, 63217126, 63217148, 63217154, 63217188, 63217226, 63217410
				
<b>NEW</b> 4 5131 1	Marelli	72138801	14.3/34 x 77 9 teeth Splines 12 E CW	63216733, 63216816, 63216833 63217117, 63217152, 63217173 63217182, 63217402, 63217404
				
<b>NEW</b> 4 5132 1	Marelli		14.3/35 x 77 9 teeth Splines 12 E CW	
				
<b>NEW</b> 4 5138 1	Marelli	85541270	12/29 x 50 9 teeth Splines 10 E CW	63111005, 63111007 63223537, 63223730
				
<b>NEW</b> 4 5146 1	Marelli	8121714, 9956426 72378801, 72399501	14.3/34 x 77 9 teeth Splines 12 E CW	4706720, 4712894 63216702, 63216802, 63217107, 63217110
				




IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5147 1	Marelli Denso		12/36 x 51 9 teeth Splines 10 E CW	428000-0720
				
<b>NEW</b> 4 5155 1	Fiat  Marelli	4154293, 4243124, 4475122  74866611, 74867401, 74874241 85540271, 85540751	14/29 x 67 11 teeth Splines 12 E CW	4156064, 4162784, 4206634, 4285916, 4294494, 4294495 4474599, 4474714, 4474746, 4474747, 4474762, 4474976 4474979, 4475025, 4475130 63222400, 63222405, 63222408, 63222409, 63222430, 63222435 63222438, 63222439, 63222501, 63222536, 63222635, 63222636 63222700, 63222701, 63222706, 63222730, 63222731, 63222736
				
<b>NEW</b> 4 5165 1	Marelli	83227285	12/30 x 50 11 teeth Splines 10 E CW	63112003 63113003 63113004
				
<b>NEW</b> 4 5186 1	Marelli	85553621	30 11 teeth CW	428000-1640 63280091
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5009 1</b> 	Melco Mando Melroe	M191T22771 1D30 2128 6D19 E356 18 X45	12/28 x 55 8 teeth Splines 8 E CW	M3T21882 M3T22581 M3T30881 M3T33981 E365 18 400B
	Mazda			
<b>4 5011 1</b> 	Melco	M191T22071 M191T22371 M191T22971 M191T23071 M191T23471 MD607894,MD611372	12/28 x 55 8 teeth Splines 8 E CW	M2T30581 M3T21281,21281D,21381,21381D M3T24482H,24482J,24486H,25282H M3T27686D,27786,29482,29482D M3T32591,32592,32593,32782D M3T33281,33282,33586D,38181,38381 M3T38881,38881A,38881B,38881C M3T38882,38882A,38882B,38882C M3T38884,38981,38982,39481,39981 M3T41081,41083,41088,41181,41185 M3T41186,41285,42781,48181,49381
	Mitsubishi Mazda Nissan Suzuki	B630 18 X45 23354 42L10 31320 79030, 31320 82130		
<b>4 5016 1</b> 	Melco	M191T12070 M191T12071 M191T12471 MD611211 23354 42 L70 AM15 18 X25	12/28 x 51 8 teeth Splines 8 E CW	M0T70381 M0T80081 M1T70481,70482,70483,70485,70681, 70685,70686,70687,71382, 71388,71581,71681,72081, 72085,72086,72088,72088, 72483,72483ZC,72581,72582, 72583,73283,73381,73383, 73881,73881ZC,74881,78981, 79091
	Mitsubishi Nissan Mazda			
<b>4 5019 1</b> 	Melco	M191T13671 M191T14671 M357X91372	12/32 x 51 12 teeth Splines 8 E CW	M1T80081 M1T90281
	Mitsubishi			
<b>4 5028 1</b> 	Melco	M191T15071 M191X68071 MD618963	13/33 x 51 10 teeth Splines 8 E CW	M2T80582 M2T84071 M2T84171 M2T87171
	Mitsubishi			
<b>4 5030 1</b> 	Melco	M191X67771 M191X67871 M191X68671	14.8/19.9 x 110 20 teeth Splines 5 E CW	M8T50071 M8T50171 M8T75171 M8T80071


IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5034 1	Melco Mitsubishi	M191T68471 M191X68471 MD619204	13/38 x 51 12 teeth Splines 8 E CW	M2T87971 M2T88071
4 5050 1	Melco	M191T94571	13/32 x 51 12 teeth Splines 8 E CW	5033125 M2T88571 M2T88572
4 5072 1	Melco	M191X69271	13/30 x 51 9 teeth Splines 8E CW	M2T84771
4 5078 1	Melco Nissan	M357X77971 23357-0C010	10/60 x 98 21 teeth  AC	M2T25481
4 5087 1	Melco	M191T15871	12/28 x 37 8 teeth Splines 8 E CW	M0T20471, -72 M0T30672 M0T30771 M0T35171 M0T36071
4 5089 1	Melco	5001857622 M191X69771 M191X93771	18.9/24.9 x 135 26 teeth Splines 5 E CW	5010306533 M9T60371 M9T60471 M9T60671 M9T60672







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5092 1</b>	Melco Hyundai/Kia		14.6/19 x 118/130 19 teeth CW	
				
<b>4 5098 1</b>	Melco	M191X94271	14.8/19.9 x 92 20 teeth Splines 5 E CW	M8T75071
				
<b>NEW 4 5110 1</b>	Melco	M191X94471	20/62 x 111 20 teeth Splines 5 E CW	M8T62471
				
<b>NEW 4 5119 1</b>	Melco	M191T68771 M191X68171 M191X68785	14.8/18.6 x 91 20 teeth Splines 5 E CW	M8T70071 M8T78611
				
<b>NEW 4 5142 1</b>	Melco	M191T68971	13/36 x 51 9 teeth Splines 8 E CW	M2T87671
				
<b>NEW 4 5148 1</b>	Melco		13.2/46 x 166 12 teeth Splines 8 E CW	M2TS0571
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5149 1	Melco		13.5/18.6 x 135 18 teeth Splines 8 E CW	M2TS0671
				
<b>NEW</b> 4 5159 1	Melco	M191T30974 M191T33371 M191T34071 M191T35171	12.8/28 x 60 8 teeth Splines 8 E CW	M2T20181, M2T201811A, M2T20281, M3T20681, M3T20681A M3T20681A, M3T20781, M3T21282, M3T24482, M3T24482A M3T24486, M3T24486A, M3T25781, M3T25783, M3T27686 M3T29681, M3T30088, M3T30281, M3T30285, M3T30286 M3T30382, M3T30782, M3T32382, M3T32681, M3T33582 M3T33582A, M3T33586, M3T33586A, M3T35082, M3T39182 D30618400A, D30618400B, D50118400A, D50218400A E30118400A, E35618400, F60118400, F60118400A F80218400B, F85018400B, FE0518400C, FE5018400B H83318400, HE2018400B MD019891, MD026174 23300-B5013, 23300-D0212, 23300-H5013, 23300-R9000 23300-U0113
	Mazda	808824722 H83318X45		
	Mitsubishi Nissan	MD607283, MD608273 23312-Y0511		
<b>NEW</b> 4 5169 1	Melco	M191T40971	12/32 x 51 10 teeth Splines 8 E CW	M1T30171
				







IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5081 1	PAL Magneton	02-8014-09	18.6/41 x 109 11 teeth Splines 3 E AC	









IKA-No.	Original	References	Dimensions	Unit-Nos.
 <p><b>4 5037 1</b></p>	Remy	10451980 10475974	12/26 x 45 9 teeth Splines 12 E CW	10465298,384,459 21020761 3231062,1396 9000794,833,837,839, 840,847,859 96208781,8782,8783,8785
 <p><b>4 5049 1</b></p>	Remy Daewoo	1055503 3120A78B00	12/28 x 45 8 teeth Splines 12 E CW	96275481 31100A78B00
 <p><b>4 5074 1</b></p>	Remy Fiat Iveco	10510651	12/36 x 61 9 teeth Splines 6E CW	8000032 134705880 55195967
 <p><b>NEW 4 5184 1</b></p>	Remy  Caterpillar Ford	1893560, 1894213 1936647, 1946945, 1957846 1970711, 1977005 800068 2P-7408, 6N-3827, 8S-8036 C8TZ11350B , C9WF11350C	16/46 x 120 12 teeth Splines 19 R CW	110... 111... 199... 40MT, 42MT, 50MT





IKA-No.	Original	References	Dimensions	Unit-Nos.
 4 5004 1	Valeo	105538 182047,185182 594245 NE209,NE883	12/32 x 61 12 teeth Splines 9 E CW	D9R73 D9R134
 4 5012 1	Valeo	180827,182176,184530 185675,186456 594042 NE776,NE832	12/30 x 61 12 teeth Splines 9 E CW	D9R89,D9R99 D9R112,D9R118,D9R119 D9R122,D9R135,D9R149
 4 5020 1	Valeo	185915 594185 NE834	12/30 x 54 11 teeth Splines 9 E CW	D7R5,D7R7,D7R8,D7R9 D7R12,D7R13,D7R16,D7R18 D7R20,D7R25,D7R26,D7R27 D7R35,D7R40,D7R43,D7R44 D7R47,D7R48,D7R49
 4 5023 1	Valeo	186798 594177,594252	12/28 x 51 10 teeth Splines 5 E CW	D6RA56 D6RA62 D6RA133
 4 5026 1	Valeo	187336,187863,187996 188251 594287 NE949	11/25 x 41 9 teeth Splines 10 E CW	D7E1, D7E5, D7E16, D7E23 D7E26, D7E39, D7E52, D7E62, D7E79
 4 5041 1	Valeo	059427 594279 187528	12/29 x 54 11 teeth Splines 10 E CW	D7R19 D7R28

IKA-No.	Original	References	Dimensions	Unit-Nos.
 4 5043 1	Valeo	188993 594410	12/32 x 54 10 teeth Splines 9 E CW	D7R34 D7R53
 4 5045 1	Valeo	187328 594248 NE878	12/26 x 57 9 teeth Splines 5 E CW	D6RA68 D6RA168
 4 5053 1	Valeo	191601	12/26 x 45 9 teeth Splines 5 E CW	D6G1, D6G3, D6G32, D6G5, D6G98
 4 5054 1	Valeo	076980 093623,097062,097062 NE184	12/26 x 60 9 teeth Splines 12 E CW	D8E121,D8E142,D8E152,D8E81 D9E12,D9E20,D9E22,D9E26,D9E34 D9E35,D9E37,D9E41
 4 5060 1	Valeo  Fiat	099931 184917 NE197 9405835568	12/26 x 55 9 teeth Splines 9 CW	D9E36,D9E38,D9E39,D9E46,D9E48 D9E49,D9E52,D9E54,D9E55,D9E56 D9E61,D9E62,D9E66,D9E68,D9E69 D9E70,D9E74,D9E76,D9E77,D9E78 D9E79,D9E81,D9E85,DE9851,D9E852 D9E86,D9E100,D9E101,D9E123
 4 5067 1	Valeo	193462 594729	12/28 x 73 10 teeth Splines 9 E CW	D7G15, D7G18, D7G22

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 5068 1</b>	Valeo	191769	11/24 x 41 8 teeth Splines 5 E CW	TS10E4 TS10E5
				
<b>4 5071 1</b>	Valeo	192929 594631	12/29 x 46 11 teeth Splines 10 E CW	D7G3 TS18E13
				
<b>4 5076 1</b>	Valeo Mitsubishi	187077 594247 NE879 MD620980	12/28 x 51 8 teeth Splines 5 E CW	D6RA76, D6RA77, D6RA78, D6RA79
				
<b>4 5088 1</b>	Valeo Nissan	193013 594747 23354-JG70A	12/32 x 45 10 teeth Splines 8 E CW	TS22E5 TS22E5B 23300-00Q0D 23300-3400A9 23300-JG70A
				
<b>4 5096 1</b>	Valeo	191548 594665	12/29 x 82 10teeth Splines 10 E AC	D6GS11, D6GS11M D6GS13, D6GS13M
				
<b>4 5097 1</b>	Valeo Nissan	192651, 594725	11/27 x 41 8 teeth Splines 5 E CW	TS8E3, -E4, -E5 23300-1F770, -1F771, -1F772
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
 <p><b>4 5099 1</b></p>	Valeo	188270 594389 594699	12/29 x 91 11 teeth Splines 9 E AC	D7RS29, D7RS30, D7RS129, D7RS130, D7RS131, D7RS291, D7RS301
 <p><b>4 5102 1</b></p>	Valeo	594030 594033	12/27 x 56 9 teeth Splines 9 E AC	D6RA15 D6RA7
 <p><b>4 5108 1</b></p>	Valeo	194440 194480 594734	11/27 x 44 8 teeth Splines 5 E CW	TS10E1, TS10E11
 <p><b>NEW 4 5120 1</b></p>	Valeo	190694 191775 594451	11/27 x 44 8 teeth Splines 10 E CW	D7E29, D7E30, D7E31
 <p><b>NEW 4 5136 1</b></p>	Valeo	589074, 101598 079333, 092718, 094635	16/46 x 150 12 teeth Splines 6 R CW	D13E107TE D13E109TE D13E110TE D13E77, D13E86TE, D13E87TE D13E94TE, D13E96TE
 <p><b>NEW 4 5137 1</b></p>	Valeo	184795 594034 NE817	12/30 x 66 9 teeth Splines 9 E AC	D6RA17, D6RA19, D6RA27 D6RA29, D6RA34, D6RA50 D6RA54, D6RA60



IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 5154 1	Valeo	191362 594635 594657	12/33 x 45 10 teeth Splines 10 E CW	D7G11, D7G11(B)
				
<b>NEW</b> 4 5160 1	Valeo	185441 186020 594108 NE830	12/28 x 51 10 teeth Splines 9 E CW	D6RA6, D6RA32, D6RA33, D6RA39 D6RA48, D6RA59, D6RA61
				
<b>NEW</b> 4 5171 1	Valeo	192125 594696	11/27 x 41 8 teeth Splines 10 E CW	D7E40 D7E41 D7E42
				
<b>NEW</b> 4 5182 1	Valeo	594726 193512	11/26 x 41 9 teeth Splines 5 E CW	TS8E2 TS8E6
				



---

# 4







MAGNETSCHALTER







SOLENOIDS



INTERRUPTEUR MAGNÉTIQUE

















IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>4 3470 0</b>	Bosch	0 331 450 002	Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
				
<b>4 3471 0</b>	Bosch	0 331 101 005	Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
				
<b>4 6035 1</b>	Bosch	0 331 450 001	Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
				
<b>4 6054 1</b>	Bosch	0 331 101 006	Relais KB Starter	0 001 410 ...,411 ..., 0 001 414 ...,415 ..., 0 001 416 ...,417 ... 9 000 084 ...
				
<b>NEW 4 6106 9</b>	Bosch MB	0 331 402 077 0 331 401 008, 009 0 001 528 510	M10/M10/M4 hole 12V	0 001 354 091
				
<b>NEW 4 6107 9</b>	Bosch	0 331 400 023 0 331 401 001, 003, 004 0 331 401 012, 029, 046 0 331 401 051, 501, 503 0 331 402 073, 074	M10/M10/M4 hole 12V	0 001 356 002, 003 0 001 359 001-003, 006-008, 010, 012-014, 016, 019-021 0 001 359 024-027, 030, 032-034, 037, 038, 041, 044-046, 053
				







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6108 9	Bosch	0 331 303 006, 026, 506	M8/M8 male 12V	0 001 110 005, 012, 025 0 001 208 204, 408, 410 0 001 311 129
				
<b>NEW</b> 4 6109 9	Bosch	0 331 303 005, 016, 028, 031	M8/M8/M4 post 12V	0 001 108 004, 019, 020, 039 0 001 208 219, 501, 513 0 001 211 206, 227, 228, 242, 246, 512, 513 0 001 311 107, 121
				
<b>NEW</b> 4 6112 9	Bosch	0 331 400 014, 016, 017, 022 0 331 401 007, 507 0 331 402 076	M10/M10/M4 hole 12V	0 001 358 017, 018, 020, 028, 032, 033, 046
				
<b>NEW</b> 4 6113 9	Bosch	0 331 402 015, 515	M10/M10/M4 hole 24V	0 001 360 035, 041, 045 0 001 368 001, 005, 013, 033, 042, 052
				
<b>NEW</b> 4 6116 9	Bosch  VAG	0 331 303 147 2 339 303 211, 222, 258 2 339 303 265, 339, 351 2 339 303 377, 412, 722 6 004 AF1 027, 029 F 000 SH0 102, 120, 133 F 00A SH0 120 02M 911 287 A	M8/M8 plug 12V	0 001 107 020-23, 025 0 001 110 076, 077, 086 0 001 112 021, 027, 038, 039, 044, 045 0 001 121 001, 002, 006-009, 016-019, 026 0 001 124 001 0 001 125 005, 006, 009, 012, 013, 039, 042, 043, 052 9 000 081 010, F 000 AL0 402, F 000 AL0 415
				
<b>NEW</b> 4 6117 9	Bosch Toyota	2 339 303 202, 294, 306 F 000 SH0 107, 152 28150-02040, 02080, 0B020	M8/M8 plug 12V	0 001 107 030, 075, 079 0 001 109 034, 0 001 110 132, F 000 AL0 108 28100-0B020, 28100-0G010, 28100-0G100
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6120 9	Bosch MB	2 339 402 117, 156, 180	M10/M10/M6 hole M5 post 24V	0 001 231 002, 033 004 151 22 03, 004 151 62 01 004 151 84 01, 005 151 20 01 006 151 22 01
				
<b>NEW</b> 4 6123 9	Bosch	0 331 401 040 0 331 402 001, 019, 030, 035, 039 0 331 402 087, 205, 501, 504, 519 0 331 402 535, 539	M10/M10/M4 hole 12V	0 001 362 062, 073, 092 0 001 367 028, 029, 030, 037, 045
				
<b>NEW</b> 4 6124 9	Bosch	2 339 304 001	M8/M8/M6 post 12V	0 001 106 011 0 001 107 016, 041, 046, 059, 082 0 001 108 121, 122, 155, 168 0 001 113 010
				
<b>NEW</b> 4 6125 9	Bosch	2 339 304 007, 019, 023	M8/M8 male 12V	0 001 107 062, 067, 076, 078 0 001 108 166, 167, 173, 181 0 001 109 028, 029, 031, 035, 252 0 001 115 002, 007
				
<b>NEW</b> 4 6126 9	Bosch Renault	2 339 304 020, 025 77 01 047 303	M8/M8 male 12V	0 001 116 001 77 00 864 608
				
<b>NEW</b> 4 6127 9	Bosch VW	2 339 305 014, 034, 054 2 339 305 076, 337 02E 911 287 A, D 0AH 911 287	M8/M8 plug 12V	0 001 121 412, 413 02E 911 023 J, JX
				





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6128 9	Bosch	0 331 303 057, 104	M8/M8 male 12V	0 001 212 213, 214, 402, 403
				
<b>NEW</b> 4 6132 9	Bosch	0 331 402 004, 016 6 004 4F4 004, 005 6 004 AF4 005	M10/M10/M4 hole 12V	0 001 362 030, 044, 304 0 001 367 026, 032 0 001 368 069 9 000 044 000, 001 9 000 143 017, 415
				
<b>NEW</b> 4 6133 9	Bosch	0 331 402 002, 003, 502, 503 F 042 010 270	M10/M10/M4 hole 12V	0 001 362 046, 305, 312, 700 0 001 366 008, 010, 025
				
<b>NEW</b> 4 6140 9	Bosch	0 331 400 008, 068 0 331 401 015	M10/M10/M5 hole 12V	0 001 354 016, 018, 031, 080, 085
				
<b>NEW</b> 4 6141 9	Bosch	0 331 402 012, 207	M10/M10/M4 hole 24V	0 001 360 031, 044, 048, 054, 057 0 001 368 003, 088, 015, 023, 302
				
<b>NEW</b> 4 6145 9	Bosch	0 331 302 011, 047, 052, 075	M8/M8 male 12V	0 001 208 006, 014 0 001 211 002, 004, 005, 014, 016 0 001 214 002 0 001 311 045
				









IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6146 9	Bosch DAF FIAT Iveco	0 331 400 001 316490 9907553 1310012	M10/M10/M4 hole 12V	0 001 354 006, 025, 032, 033, 034, 062
				
<b>NEW</b> 4 6147 9	Bosch	0 331 401 009, 509	M10/M10/M4 hole 12V	0 001 354 012, 082, 083, 084, 091, 094, 096 0 001 354 108, 113
				
<b>NEW</b> 4 6148 9	Bosch	0 331 401 040 0 331 402 001, 019, 030, 035, 039 0 331 402 087, 205, 501, 504, 519 0 331 402 530, 539 2 339 402 128	M10/M10/M4 hole 12V	0 001 359 090 0 001 362 027, 029, 062, 073, 092 0 001 367 028, 029, 030, 037, 045, 082
				
<b>NEW</b> 4 6151 9	Bosch	9 330 331 010, 510	M8/M8/M4 hole 12V	0 001 218 172, 772 0 001 223 002, 016, 021
				
<b>NEW</b> 4 6152 9	Bosch Iveco	2 339 303 445 9 330 331 013, 513 42563047	M8/M8 male 12V	0 001 218 174, 774 93828721, 994517530
				
<b>NEW</b> 4 6154 9	Bosch MB	2 339 304 002, 018, 021, 039	M8/M8/M6 post 12V	0 001 107 406 0 001 110 112 0 001 115 008 005 151 16 01, 005 151 39 01
				





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6158 9	Bosch Marelli FIAT	1 987 BE2 016 9948651	M8/M8/M6 post 12V	631 010 04, 631 020 14 46465475, 46758241
				
<b>NEW</b> 4 6163 9	Bosch DAF	2 339 403 009 2 339 403 509 1337458	M12/M12/M6/M6 post 24V	0 001 371 010, 013 0 001 372 002, 003 1284775 1317220, 1318615, 1329660
				
<b>NEW</b> 4 6164 9	Bosch Remy MB	2 339 403 010 19070190	M12/M12/M6 hole M6 post 24V	0 001 371 019 0 001 372 001, 005, 006 19070030, 19070033 004 151 94 01
				
<b>NEW</b> 4 6165 9	Bosch DAF Scania	2 339 402 220, 230 F 042 010 673	M10/M10/M6 hole M6 post 24V	0 001 241 001, 003, 007, 014, 019 0 001 261 002, 026 F 042 002 135 1604246, 1667205, 1688720 1447911, 1796026
				
<b>NEW</b> 4 6167 9	Bosch Ford Iveco	2 339 305 092, 135	M8/M8/M6 post 12V	0 001 109 306, 307, 371, 375, 376 8G9N-11000-AB 69502571
				
<b>NEW</b> 4 6168 9	Bosch VW	2 339 305 040, 055, 077, 324	M8/M8 plug 12V	0 001 123 016 0E9 110 238
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6169 9	Bosch Remy Scania	2 339 403 006, 506 2 33A 403 006 9 330 451 071 19070191 1405979	M12/M12/M6 hole 24V	0 001 371 004, 006, 008  19070035, 19070036, 19070037 1332903, 1357709, 1382290 571462, 571464
<b>NEW</b> 4 6170 9	Bosch FIAT DAF PSA	2 339 305 033 77363816	M8/M8/M6 post 12V	0 001 109 300, 302 134 70580 80, 55779086 1524014R 5802.AQ
<b>NEW</b> 4 6173 9	Bosch BMW	2 339 304 005, 009, 046	M8/M8/M6 post M6 post 12V	0 001 107 442 0 001 108 157, 401 12 41 1 438 696, 12 41 1 712 937, 12 41 1 712 973 12 41 1 740 374, 12 41 4 354 823
<b>NEW</b> 4 6181 9	Bosch	0 331 402 089	M8/M10/M4 male 24V	0 001 368 034, 065
<b>NEW</b> 4 6185 9	Bosch	0 331 303 048, 061	M8/M8/M5 hole 12V	0 001 218 001, 006, 007, 009, 011, 016, 021, 023 0 001 218 108, 122, 125, 165, 177 9 000 331 419
<b>NEW</b> 4 6186 9	Bosch	0 331 401 008, 508	M10/M10/M4 hole 12V	0 001 354 007, 010, 021, 041, 081, 087-090

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6187 9	Bosch DAF	2 339 403 014 1448595	M12/M12/M6 hole M6 post 24V	0 001 371 015, 016, 018 0 001 372 007, 008 1357210, 1357211, 1357212, 1357213
				
<b>NEW</b> 4 6189 9	Bosch	9 330 331 006	M8/M8 male 12V	0 001 218 168 9 000 331 432, 433
				
<b>NEW</b> 4 6190 9	Bosch	0 331 303 165	M8/M8 male 12V	0 001 218 152
				
<b>NEW</b> 4 6191 9	Bosch FIAT	2 339 303 256 F 000 SH0 108, 139 F 00A SH0 139	M8/M8/M6 post 12V	0 001 107 066, 091 0 001 110 124 F 000 AL0 100, 102 46468696, 46748349, 46821681
				
<b>NEW</b> 4 6196 9	Bosch Iveco	2 339 303 842 6 003 AD1 113 6 033 AD0 074	M8/M8/M6 post 12V	0 001 223 003 0 001 223 007 42535273
				
<b>NEW</b> 4 6204 9	Bosch Iveco	2 339 402 143 6 033 AD4 031 9971885	M10/M10 male 12V	0 001 230 007, 020, 022 9 007 044 015 323019050 500338952, 500389864, 504031929
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6205 9	Bosch	F 000 SH0 110	M8/M8 male 12V	F 000 AL0 307
				
<b>NEW</b> 4 6206 9	Bosch	0 331 402 051, 053, 054, 094 0 331 402 206, 706	M10/M10/M4 hole 24V	0 001 360 029, 032, 033, 034, 043, 050, 060, 061, 063 0 001 363 103-107, 109, 111-113, 116, 117 0 001 368 002, 009, 010, 012, 016, 017, 034, 040, 058, 069, 301
				
<b>NEW</b> 4 6207 9	Bosch	0 331 402 010	M10/M10/M6 hole 24V	0 001 360 022, 037, 056 0 001 368 024, 028, 055
				
<b>NEW</b> 4 6208 9	Bosch	0 331 402 006, 042, 068, 070, 209 0 331 402 568, 570	M10/M10/M4 hole 12V	0 001 359 089, 097, 098 0 001 362 039, 322, 601, 605, 700 0 001 362 701, 702 0 001 367 003, 027, 035, 046 0 001 367 051, 054, 063 0 001 369 002, 003, 006, 007
				
<b>NEW</b> 4 6210 9	Bosch VAG	0 331 302 040, 064, 540 9 330 041 005 9 330 081 038 311 911 287	M8/M8/ male	0 001 211 221, 222, 992, 993, 997, 998 9 000 082 009, 031
				
<b>NEW</b> 4 6211 9	Bosch BMW Saab Volvo	0 331 303 008, 033, 074 9 330 081 046 9 33A 081 046  1 241 1 273 228 75 27 856 13635461	M8/M8/ male / male 12V	0 001 108 012, 030, 038, 088, 089, 091, 092 0 001 311 100 0 001 314 025 9 000 082 021, 033, 039, 040, 048, 052, 053, 061, 066
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6212 9	Bosch	0 331 303 003, 007, 010 0 331 303 015, 040, 503 9 330 081 039 9 33A 081 039	M8/M8/ male / male 12V	0 001 208 200, 201, 208 0 001 211 213, 214, 216-219 0 001 311 118, 122, 136, 137 0 001 314 002, 018, 033 9 000 082 025, 028, 030, 032, 035, 041, 042 9 000 082 043, 045, 046, 047, 049, 051 9 000 082 054, 057, 060, 065, 073
<b>NEW</b> 4 6214 9	Bosch	0 331 402 008, 508	M10/M10/M4 hole 24V	0 001 364 100, 101, 104, 105 0 001 368 057
<b>NEW</b> 4 6215 9	Bosch MB	0 331 303 012 0 331 303 021 000 152 36 10	M8/M8/M4 hole M5 hole 12V	0 001 314 030, 041 003 151 43 01, 003 151 96 01, 003 151 97 01 003 151 98 01, 003 151 99 01
<b>NEW</b> 4 6216 9	Bosch	0 331 303 035, 053 2 339 303 260	M8/M8/M4 hole M5 hole 12V	0 001 108 003 0 001 110 016 0 001 314 027, 036
<b>NEW</b> 4 6217 9	Bosch	0 331 303 055, 056, 076 0 331 303 132	M8/M8 male 12V	0 001 110 009 0 001 208 425, 426, 429 0 001 211 253, 254 0 001 317 016, 017
<b>NEW</b> 4 6218 9	Bosch	0 331 303 140, 640	M8/M8/M6 post 12V	0 001 107 027-029 0 001 108 087, 106, 109-111, 116, 133, 139, 140 0 001 110 104 0 001 112 016, 033 0 001 113 009

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6221 9	Bosch	0 331 402 002, 003 0 331 402 502, 503	M10/M10/M4 hole 12V	0 001 362 013, 014, 016, 022-024, 034, 035, 037 0 001 362 041, 046, 071, 305, 312 0 001 366 008, 010, 025
				
<b>NEW</b> 4 6222 9	Bosch	2 339 303 201, 206	M8/M8/M6 post 12V	0 001 107 034, 045, 046 0 001 108 148, 170
				
<b>NEW</b> 4 6223 9	Bosch FIAT Iveco	6 033 AD0 312	M8/M8/M6 post 12V	0 001 223 013 1329201080, 46758240 8029647
				
<b>NEW</b> 4 6227 9	Bosch MB Renault Truck MAN	2 339 402 139	M10/M10/M4 hole 24V	0 001 231 009 002 584 10 44 5000791211, 5001014221, 5001852507, 5010090370 5010090683, 5010306413, 5010508443 81 26201 9013, A5 00055 9254
				


IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6160 9	Denso		M8/M8/ plug 12V	428000-0950 428000-0960
<b>NEW</b> 4 6172 9	Honda	35850-KBB-900	M6/M6/ male / male 12V	
<b>NEW</b> 4 6209 9	Denso BMW	MS428000-0670	M8/M8/M6 post M5 post 12V	428000-0670 7 515 392 04
<b>NEW</b> 4 6224 9	Denso	428000-0680	M8/M8 plug 12V	28100-0D090









IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6115 9	Bosch Ford-Visteon	F 042 010 038 F3RZ-11390-A, B F78Z-11390-AA XS6U-11390-AA	M8/M8/M6 post 12V	93BB-11000-HB, 96BB-11000-AB, 97VB-11000-A, B, F3RZ-11002-A, B, C, F5OY-11002-A, F87U-11000-DC XS6U-11000-AC











IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6114 9	Hitachi Nissan	2114-67505 23343-M8000, M8001, M8003	M8/M8 male 12V	S114-315, 316, 317, 317A, 317B, 318, 318A, 319, 320, 320A S114-364, 377, 378, 413A, 414A, 424, 550, 550A, 650A, 651A, 653
				
<b>NEW</b> 4 6118 9	Hitachi	2114-37613 2114-97612	M8/M8/M4 hole 12V	S114-850
				
<b>NEW</b> 4 6134 9	Hitachi Nissan	2114-57506 23343-16E01	M8/M8 cable 12V	S114-430A, B S114-439, A
				
<b>NEW</b> 4 6144 9	Hitachi	2114-57610	M8/M8 male 12V	S114-753 S114-753C
				
<b>NEW</b> 4 6153 9	Hitachi  Nissan	2130-67005, 77005, 97008 23300-6T001, 80G00, 02N00 23343-43400, 43G00, 6T000	M8/M8 male 12V	S13-106A, B, C, S13-107, A, S13-117A, 122, 126A, 127, 327  23300-6T001, 23300-80G00
				
<b>NEW</b> 4 6178 9	Hitachi	2114-27613	M8/M8/M4 hole 12V	S114-808, S114-869, S114-925
				







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6195 9	Hitachi	2130-37004 2130-37008 2130-97004 23343-10G00	M8/M8 male 12V	S13-92A
	Nissan			23300-10G02, 23300-83W00

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6136 9	Lucas Ford	76740, 76753, 76756, 76781 76825, 76833, 76834, 76835 ... 2701E-11390-A, B D4NN-11390-B D7NN-11390-B	M8/M6/M6 post 12V	26211, 27, 34, 46, 65, 74, 91, 94, 95 26304, 05, 12, 16, 23, 38, 39, 41, 43, 45, 51, 52, 57, 58 ,59, 66 ...
<b>NEW</b> 4 6137 9	Lucas	76755, 76759, 76763, 76786 76796, 76800, 76803, 76804, ...	M8/M8 male / male 12V	25620, 21, 27, 73 26233, 36, 38, 48, 64, 66, 68, 69, 70, 71, ...
<b>NEW</b> 4 6138 9	Lucas	76923, 77121, A, 77131, 77141 TPB104, 116, 118, 119	M8/M8 male 12V	27500, 502, 503, 504, 509, 513-516, 518-522, 528, 539-541 27565
<b>NEW</b> 4 6139 9	Lucas	76888, 76906, 76925, 76983 77011, 77021, 77128, 77169 TOB103, 119, 128, 131	M8/M8 male / male 12V	26327, 364, 400, 460, 426
<b>NEW</b> 4 6180 9	Lucas	60933083 76901, 76926, 76997, 77040, 77089 TOB123, TOB125, TOB183	M8/M8/M6 post 12V	26349 26416





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6142 9	Marelli FIAT	636 338 01, 06, 25 636 938 01, 790 366 83 855 400 11, 855 402 21 79036683, 7980335 9936770, 9957705, 9986144	M10/M10 male 12V	632 168 27, 31, 33, 59, 74, 96, 98 632 171 18, 19, 20, 21, 25, 26, 47, 48, 54, 88 632 174 10
				
<b>NEW</b> 4 6143 9	Marelli FIAT	636 339 01, 02, 25, 33 855 402 11 79036685, 7980336 9986109	M10/M10 male 24V	632 167 27, 31, 33, 40, 41 632 172 25, 26
				
<b>NEW</b> 4 6155 9	Marelli FIAT Iveco	63602404	M8/M8/M6 post 12V	631 140 14, E95RL, MSN801 46231646, 71721242, 71782324 1319555080, 1311955508, 1331329080
				
<b>NEW</b> 4 6161 9	Marelli	855 414 20	M8/M8/M6 post 12V	631 020 08 631 030 02, 03, 07, 08 631 031 08 632 229 01, 08 632 231 01
				
<b>NEW</b> 4 6174 9	Marelli Ford	855 410 03	M8/M8/M6 post 12V	632 235 38, 632 935 38 95FB-11000-BC, BD, BG
				
<b>NEW</b> 4 6175 9	Marelli		M8/M8/M6 post M5 post 12V	632 220 05 632 220 35 010
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6182 9	Marelli FIAT	636 004 00 4189658	M8/M8 male 12V	632 253 99 4198226, 4198600, 4229113 4229114, 4474714
				
<b>NEW</b> 4 6183 9	Marelli FIAT	636 009 01 855 303 30, 855 400 01, 855 405 61 9938390	M8/M8 male 12V	632 214 05, 06, 35, 36 632 215 30, 33, 36 632 216 35 632 232 03, 35, 36, 37, 38, 39 632 233 30, 31
				
<b>NEW</b> 4 6184 9	Marelli FIAT	636 004 03, 83, 93 636 005 02, 05, 08 855 302 80, 90 855 402 81 855 407 21 4475085, 4475093, 4475095 9935727, 9938503, 9938576	M8/M8 male 12V	632 060 02, 03 632 070 01 632 204 00, 02, 03, 08, 09, 30, 38, 39, 40 632 205 07, 37, 38 632 207 00-06, 20, 21, 23, 24, 26, 30-36, 40, 41, 43-46
				
<b>NEW</b> 4 6197 9	Bosch Marelli FIAT	1 987 BE2 015 855 402 31 855 404 71, 73 855 405 01, 91 9941308, 9942333	M8/M8 male 12V	632 218 32, 92 632 228 31, 32, 33, 36, 37, 97 632 230 31, 32, 33 632 234 31, 36 632 235 30, 31 943 222 831 46231570, 46406469, 46432301 7668988, 7680616, 7716198
				
<b>NEW</b> 4 6199 9	Marelli FIAT	855 409 81 9945557	M8/M8 male 12V	632 228 89 632 229 36 632 231 09
				
<b>NEW</b> 4 6201 9	Marelli MB	855 413 550	M8/M8 male 12V	631 010 07 005 151 26 01 005 151 27 01
				





IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6203 9	Marelli	855 410 10 855 414 00	M8/M8/M6 post 12V	631 010 00, 02, 03, 07 632 229 09 632 231 08 632 232 00
				
<b>NEW</b> 4 6213 9	Marelli	636 339 01, 02, 25, 33 855 402 11 79036685, 7980336 9986109	M10/M10 male 24V	632 167 27, 31, 33, 40, 41 632 172 25, 26
	FIAT			

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6149 9	Bosch Melco Mitsubishi	F 042 010 517 M372X00471 MD607634	M8/M8 male 12V	M2T54172 M2T56171, 181, 182, 271, 272, 971 M2T60171, 1171 M2T92071
				
<b>NEW</b> 4 6150 9	Melco		M8/M8/M5 post 12V	M0T80082, M1T80081 M1T80082, M1T90281
				
<b>NEW</b> 4 6166 9	Melco Opel FIAT		M8/M8/M5 post 12V	M1T30071, M1T30072 55353857, 55358857, 6202074 46823543, 51782321, 55192482, 55195211, 60817002
				
<b>NEW</b> 4 6188 9	Melco	M372X00171 M372X02371	M8/M8/M5 hole 12V	M2T56071 M2T56072
				
<b>NEW</b> 4 6198 9	Melco Mazda Mitsubishi Nissan	M371X64271, M371X64273 M371X64471, M371X74471 N326-18-X10 MD611591 23343-M8210	M8/M8 male 12V	M1T70781, 0881, 1381, 1781, 4181 M3T27781
				
<b>NEW</b> 4 6200 9	Melco Chrysler		M8/M8 plug 12V	M1T84381 M1T84381ZC, M1T84382, M1T84382ZC 56041012AB, AD
				















IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6176 9	UNIVERSAL		M8/M8 12V 200A	
 				
<b>NEW</b> 4 6177 9	UNIVERSAL		M8/M8 24V 200A	
 				







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6000 1 	Valeo	594117	12V	D6RA32, D6RA62, D6RA82, D6RA162, D6RA163, D6RA169, D6RA249
	Opel	90421772	OE Version	
4 6001 1 	Valeo	594271	12V	D6RA68, D6RA168 D7R19, D7R28, D7R43, D7R46 D7R65, D7R281
	MB	A 001 152 26 10	OE Version	
4 6002 1 	Valeo	594613 CED 5100	12V	D7R26, D7R27 D8R27, D8R28, D8R29
	Fiat	77363326	OE Version	
4 6003 1 	Valeo	594181	12V	D6RA37, D6RA51, D6RA511 D6RA57, D6RA571
	PSA	5836.62	OE Version	
4 6004 1 	Valeo	594426 CED 5071	12V	D6RA100 D7R1, D7R3, D7R11, D7R15, D7R151
			OE Version	
4 6005 1 	Valeo	594045 CED 564	12V	D6RA5, D6RA7, D6RA10, D6RA13 D6RA15, D6RA20, D6RA42 D7R7, D7R41, D7R42, D7R61
	BMW PSA	1244607-00 9405836488	OE Version	







IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6006 1 	Valeo	594467 CED 5093	12V	D7G4
	BMW	7787355-01	OE Version	
4 6007 1 	Valeo	594348 CED 5120	12V	D6G3 D7E5, D7E16, D7E23 TS8E2
	PSA	5836.83	OE Version	
4 6008 1 	Valeo	594452 CED 5086	12V	TS8E3, TS8E4 D7E29, D7E30, D7E31 D7E40, D7E41
	Nissan	23343-AX010	OE Version	
4 6009 1 	Valeo	595617 594617 CED 5258	12V	D6GS19, D7G6 D7GS8, D7GS9, D7GS10 TS18E1, TS18E3, TS18ER20 TS18ER22, TS18ER121, TS18ER123
	VW	02Z 911 287, -B	OE Version	
4 6010 1 	Valeo	595731 CED 5158	12V	D7G3, D7G26 TS18E13, TS22E26
			OE Version	
<b>NEW</b> 4 6011 1 	Valeo	594653	12V	D7E27, D7E47, TS10E3
			OE Version	







IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6012 1	Valeo Toyota	594784 28150-0R020	12V  OE Version	TS24E3, TS24E30
				
<b>NEW</b> 4 6013 1	Valeo PSA	594183 5836.61	12V  OE Version	D6RA12, D6RA16, D6RA38, D6RA66 D6RA72, D6RA74, D6RA161, D6RA661 D6RA721
				
<b>NEW</b> 4 6014 1	Valeo FIAT PSA Renault	594188 9948724 5836.58 77 010 450 12	12V  OE Version	D6RA70, D6RA107, D6RA109 D6RA114, D6RA190 D7R12, D7R17, D7R20, D7R24, D7R34 D7R53, D7R56, D7R57, D7R8, D7R9 D8R1
				
<b>NEW</b> 4 6015 1	Valeo Renault	594208 77 010 404 23	12V  OE Version	D6RA33, D6RA41, D6RA45, D6RA53 D6RA63, D6RA133, D6RA141
				
<b>NEW</b> 4 6016 1	Valeo Renault	594355 77 012 073 82	12V  OE Version	D7E22, D7E6 TS10E5, TS10E5(B)
				
<b>NEW</b> 4 6017 1	Valeo Renault	594438 77 012 073 81	12V  OE Version	D7E19, D7E26 TS10E4
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6018 1	Valeo MB	594447 A 001 152 50 10	12V  OE Version	D7E4, D7E8
				
<b>NEW</b> 4 6019 1	Valeo FIAT	594646 77362732	12V  OE Version	D6G1, D6G32
				
<b>NEW</b> 4 6105 9	Valeo	594118 594140 594426	M8/M8/M5 post 12V	D6RA43, 100 D7R1, 3, 11, 15, 151
				
<b>NEW</b> 4 6110 9	Valeo  Remy	502326	M8/M8/M6 post 12V	D6RA65, 84, 85, 132, 165, 185 D7R19, 28 21023232, 21023719, 21023994, 21024210
				
<b>NEW</b> 4 6111 9	Valeo	594047 594119	M8/M8 male 12V	D6RA8, 18, 19, 22, 27, 29, 34, 40, 52, 54, 60 D7R2, 4, 17
				
<b>NEW</b> 4 6119 9	Valeo  Ford	494813  BG3A-11391-AA	M8/M8/M6 post 12V	438153, 438180, 438181 D7E33, 34, 37, 43, 45 FS10B1 5S65-11000-AA, 7S55-11000-AA, 7S55-11000-AB
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6130 9	Valeo MB	594347 CED5033	M8/M8/M6 post 12V	D6RA83 D7E4, 8, 18, 38 004 151 85 01 005 151 11 01, 005 151 21 01, 005 151 47 01 006 151 03 01
				
<b>NEW</b> 4 6131 9	Bosch Valeo	F 042 010 373 594048, 594183 NE-898	M8/M8/M5 post 12V	432636 D6RA12, 16, 38, 66, 72, 74, 161, 661, 721
				
<b>NEW</b> 4 6135 9	Valeo	106142 106143	M8/M8 male	D9E39, 52, 112, 771, 772 D10E85, 92, 921
				
<b>NEW</b> 4 6156 9	Valeo	594365	M8/M8/M5 post 12V	432623 D6RA572
				
<b>NEW</b> 4 6157 9	Valeo	494822	M8/M8/M6 post 12V	438143, 438185 BD7E44 D7E36
				
<b>NEW</b> 4 6159 9	Valeo	594391	M8/M8 plug 12V	D7RS29, D7RS30, D7RS129, D7RS130, D7RS291, D7RS301
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6162 9	Valeo	594181, 594449 CED5010, CED5083	M8/M8/M5 post 12V	432633 D6RA37, 51, 57, 110, 511, 571
				
<b>NEW</b> 4 6171 9	Valeo PSA Toyota	594632 595731	M8/M8/M5 post 12V	438133 D7G3, TS14E110 5802.AZ, 5802.FG, 5802.FH, 5802.FP, 5802.Y5 28100-YV010
				
<b>NEW</b> 4 6179 9	Bosch Valeo	F 042 010 366 102217 CED528	M8/M8 male 12V	D9E38, 48, 49, 50, 51, 61, 62, 66
				
<b>NEW</b> 4 6192 9	Valeo	594183 NE-898	M8/M8/M5 post 12V	D6RA6, 33, 46, 53, 56, 61, 73
				
<b>NEW</b> 4 6193 9	Valeo MB	594704	M8/M8/M6 post 12V	432644, 455720 D7R43, D7R46 005 151 13 01
				
<b>NEW</b> 4 6194 9	Valeo PSA	594348	M8/M8/M5 post 12V	438093, 438129 D6G3, 5, 16, 23 9618725080, 9648644680
				

IKA-No.	Original	References	Dimensions	Unit-Nos.
<b>NEW</b> 4 6220 9	Valeo	102190, 108458 CED528	M8/M8/M5 post 12V	D9E46, 68
				
<b>NEW</b> 4 6225 9	Valeo FIAT	594646	M8/M8 coaxial 12V	438168, 458191 D6G1, 32, 321 46823548, 518102660, 51880229, 55204116 71724236
				
<b>NEW</b> 4 6226 9	Valeo	594743	M8/M8 plug 12V	191429 436174, 458214, 458216 D6GS9, 11-14 02M 911 023 G, GX, M, MX 02T 911 023 R, S
				
<b>NEW</b> 4 6228 9	Valeo	594087	M8/M8 male 12V	D6RA8, 17-19, 22, 23, 27, 29, 34, 44, 50, 52, 54, 60, 64
				



# 5





ERSATZTEILE FÜR GETRIEBESTARTER

COMPONENTS FOR GEAR STARTERS

PIECES DE RECHANGE POUR DEMARREURS  
A REDUCTEUR










	IKA-No.	Original	References	Unit-Nos.
	<b>4 2200 0</b>	Bosch VW	1 005 821 340 1 005 821 362 03G 911 256	Gear 1 006 200 058,083,087,103,105, 112,114,116,125,137, 145,149,155,923 0 001 107 017,018,031,032,037,044, 045,048,049,054,055,059, 067-069,072-074,076,082,096 0 001 108 157,162,166,169,172-175,178, 180,182,186,188,189,190,196, 200,201,204 0 001 115 001,002,007,012,015,024 0 001 121 006-011,016-019,024-029 0 001 137 001-006,011,012 6 004 AA0 018 9 007 045 018,020 F 000 AL0 128 F 002 G20 318
	<b>4 2201 0</b>	Bosch VW	1 005 821 300,307,311 035 911 307,-A	Gear 1 006 200 001,005,007,010,018, 022,024,026,031,032,036,056, 068,074,123,131,135 0 001 108 001,002,004,007,009-013,016,017, 019,020,023-033,035,037-040, 043-048,050-053,056,057,059-062, 066,068-073,075-077,081,082, 084-086,091-096,098-100,103-105, 109,111,113-119,126-141,143-146, 148,150-159,169,203,210,225, 241,242,996-999 0 001 111 001
	<b>4 2202 0</b>	Bosch VW	1 005 821 303 068 911 307	Gear 1 006 200 004,006,012,015,020, 021,027,044,183,187 FIAT 9940739 0 001 109 003,008,009,011,012 0 001 110 001-005,007-016,018,019, 022-025,027,031-033, 042-046,048,049,051,052, 055,057,058,061,064-067,076, 077,082,083,088,090,092,098, 099,102,108,110,111,113, 115,120,124,125
	<b>4 2203 0</b>	Bosch VW	1 005 821 308,317 1 005 821 352 069 911 255F	Gear 1 006 200 014,017,047-049,057,059, 061,070,071,076,082,098, 104,111,132-134 900,903 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054-057, 063-065,074,078-080,083 087-090,101,102,106-108, 110,112-115,120,121-125, 128,132,134,135,139-141, 143,145,147-150,153,155, 156,160,170,177,995 0 001 111 002 0 001 115 035 F 002 G70 047 F 004 A94 009

IKA-No.	Original	References	Unit-Nos.
	4 2204 0	Bosch VW	1 005 821 306 035 911 256B
			Gear 1 006 200 016,019,033,034,039,055, 077,086,090,103,152,163, 171,184,902,904,908,909 F 010 AL1 030 0 001 109 017,040,049,059,060 0 001 110 016,017,026,028-030, 039,041,047-049,053, 054,059-063,068-073, 075-078-081,084-087, 089,091,095,098-100, 101,104-107,113,114, 118,119,122,123, 126-131,999
	4 2205 0	Bosch	9 001 140 322 Plastic Gear
		FIAT MB Opel PSA VW	9939195 000 151 02 30 1203400 5851 02 069 911 307  alternative product 4 2221 1
	4 2206 0	Bosch	9 001 140 322 alternative product Steel Gear
			0 001 218 001-029 0 001 219 002,003 9 000 331 401-413,417,418,421
	4 2207 0	Bosch VW	1 005 821 312 035 911 307B
			Gear 1 006 200 037,042,043,060,064,069, 093,095,110,127,128,130, 141,195,910 F 000 AL1 937 0 001 107 003,004,007-009,012,013 015,019-026,034,043,047, 052,053,060,062,063,066, 083,087,089,097,103,104 9 000 081 004 9 000 694 029 F 000 AL0 116
	4 2208 0	Bosch VW	1 005 821 313 035 911 307F
			Gear 1 006 200 040 0 001 109 001,002,006,007






IKA-No.	Original	References	Unit-Nos.
4 2209 0	Bosch	1 005 821 321	Gear 1 006 200 062,063,072,148,153, 160,161,180,206 0 001 106 011,012,015-017,019, 022-024 0 001 107 010,011,030,038,039, 075,077,079,080,088, 089,092,093,098 0 001 115 006 9 000 694 035,044 F 000 AL0 106
			
4 2210 0	Bosch VW	1 005 821 314 035 911 307C	Gear 1 006 200 030, 041,074,129,158,173 9 001 694 065 0 001 107 005,006,033,061,085 0 001 108 059,060,076,077,096,097 9 000 694 007,041,051,052
			
4 2211 0	Bosch	Rubber for Outer Gear 4 2200 0, 4 2203 0	0 001 107 ... 0 001 108 ... 0 001 115 ... 0 001 121 ... 0 001 137 001-006,011,012
			
4 2212 0	Bosch	Rubber for Outer Gear 4 2204 0, 4 2214 0  replaced by 4 2217 0	
			
4 2213 0	Bosch	9 003 331 003	Rubber for 0 001 218 ...
			



IKA-No.	Original	References	Unit-Nos.	
	4 2214 0	Bosch VW	1 005 821 333 02A 911 256	Gear 1 006 200 088,096,099-101,117, 118,122,126,143,166 0 001 109 014,015,018,019,025,026,028, 030,031,033,036,041,042,048, 052,055,061,062,068,200, 202-204,252,253,264,267-270, 336,337,340,341,364 0 001 110 112 0 001 124 001-008,011-015,022-025 0 001 125 001-013,016-019,021,022,025, 031,032,035,036,039,040,042, 043,046-049,051,052,055-060, 501-504,507,508,511-514, 517,518,602,605,606,617,618 F 002 G20 292,524,618,622,658,672
	4 2215 0	Bosch	Coverplate for Outer Gear 4 2200 0, 4 2203 0	0 001 107 ... 0 001 108 ... 0 001 115 ... 0 001 121 ...
	4 2217 0	Bosch	Rubber for Outer Gear 7 2204 04, 2214 0  Replacement for 4 2212 0	0 001 109 ... 0 001 110 ... 0 001 124 ... 0 001 125 ...
	4 2221 1	Bosch FIAT MB Opel VW	9 002 338 850 9950143 000 151 03 30 90297091 046 911 307	0 001 218 100-161,163,164,167,168 170,171,174-178 602,620,703,710-712,715,716, 719,722,725,728,730,735-737, 740-742,754,757-759,763,764, 767,768,770,771,774-777,805, 808,809,812,814-822, 0 001 219 001-012,014,015,017,112 6 033 AB1 J00 9 000 331 402,405-407,412,415, 417-428,430-433, 9 000 332 401,402,405,406
	4 2222 0	Bosch	1 000 290 014,020 plastic gear ring for 4 2200 0  limited stock	0 001 107 017,018,031,032,037,044,045, 048,049,054,055,059,067-069, 073,074,076,082 0 001 108 190 F 005 M00 006,013 0 001 121 006-011,016-019,024-029 F 002 G20 318



IKA-No.	Original	References	Unit-Nos.	
	4 2225 0	Bosch	plastic gear ring for 4 2203 0	0 001 108 003,018,021,042,054,057, 063-065,074,078-080,083, 087-090,101,102,106-108, 110,112-115,120-124,128, 132,134,139-141,143,145, 148-150,155,156,160,170, 177,995
			plastic gear ring for 4 2204 0	0 001 109 040 0 001 110 017,026,028-030,039,041, 048,049,053,054,059,061, 062,069-073,075-079,081, 084-087,089,091,095, 105-107,113,114,118,119, 122,999 F 010 AL0 101
	4 2226 0	Bosch	plastic gear ring for 4 2214 0	0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042, 048,200,252,253 0 001 110 112 0 001 124 001-006, 011-015 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032, 035,036,042,043,046-049, 051,052,055,056, 501-504,507,508,511-514, 517,518,602,605,606
	4 2241 0	Bosch	Gear for 4 2200 0	0 001 107 017,018,044,045,054,055, 067-069,073,074,076 0 001 108 162,172,178,180,182,186,204 0 001 137 001-006,011,012 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057, 063-065,074,078-080,083, 087-090,101,102,106-108, 110,112,114,120-124,128, 132,134,139-141,143,148-150, 155,156,160,170,177,995
			Gear for 4 2203 0	
	4 2242 0	Bosch	Gear for 4 2204 0	0 001 109 040 0 001 110 017,026,028-030,039,041, 048,049,053,054,059,061, 062,069-073,075-079,081, 084-087,089,091,095,105-107, 113,114,118,119,122,999 F 010 AL0 101 0 001 124 001-006,011-015 0 001 125 003,010,011,025,057-060 F 002 G20 658
			Gear for 4 2214 0	
	4 2244 0	Bosch	Gear for 4 2214 0	0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042-048, 200,252,253 0 001 110 112 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606

IKA-No.	Original	References	Unit-Nos.	
	4 2246 0	Bosch	Outer Gear	Gear 1 006 200 136 0 001 109 034,063 Toyota 28100-0B020
	4 2250 0	Bosch	9 003 337 009	Gear 6 033 AD0 233 6 033 AD3 087, 308-311 6 033 AD4 066,120 9 001 336 244 Gear Kit 6 033 AD3 306,330 9 001 338 048 9 003 337 009 0 001 230 001-010,012-016,018,020-024, 026-030 0 001 231 001-014,016-019,023,026-030, 033-036,038-041,045,046,119 146
	4 2251 1	Bosch	4 2200 0 w.Rubber (3)	0 001 107 ... / 108 ... 0 001 115 ... / 121 ... 0 001 137 ...
	4 2252 0	Bosch	Gear for 4 2200 0	0 001 121 006-011,019-019,024-029 F 002 G20 318 F 004 A94 029
	4 2253 1	Bosch	4 2203 0 w.Rubber (3)	0 001 107 ... / 108 ... 0 001 111 ... / 115 ...
	4 2254 1	Bosch	4 2204 0 w. Rubber (3)	0 001 109 ... / 110 ...



IKA-No.	Original	References	Unit-Nos.
4 2255 1	Bosch	4 2214 0 w. Rubber(3)	0 001 109 ... / 110 ... 0 001 124 ... / 125 ...
			
4 2256 0	Bosch	Outer Gear	0 001 107 401-405,408-411,417,417, 421,422,427,428,430,446, 447,490,491,499-502 0 001 108 400-402,405,406,408,412, 430,431 0 399 708 303,301 F 004 A94 000,001,004,410,418
			
4 2265 1	Bosch	Gear Wheel Kit 3 gear wheels 108 3 HK 0608 for Gear 4 2241 0	0 001 107 014,016,027-029,041 0 001 108 ...
			
4 2266 1	Bosch	Gear Wheel Kit 3 gear wheels 110 3 HK 0609 for Gear 4 2242 0	0 001 110 ... 0 001 124 ... 0 001 125 ...
			
4 2267 1	Bosch	Gear Wheel Kit 3 gear wheels 218 3 HK 0509 for Gear 4 2243 0 4 2244 0	0 001 109 ... 0 001 124 ... 0 001 125 ... 0 001 218 001-029
			

IKA-No.	Original	References	Unit-Nos.
4 2229 0	Ford-Visteon	E90Z-11A165-A F7RU-11165-CA	E90F-11000-AA,BA E9SF-11000-AA,BA F02F-11000-AA F07U-11000-AA,BA F0CF-11000-AA,BA
			
4 2248 0	Ford-Visteon	Outer Gear for 4 2247 0	
			

IKA-No.	Original	References	Unit-Nos.
4 2224 0	Marelli	542 94580 M70R fits Planetary Gear 855 412 40	631 110 01,05,08 631 130 01 632 235 35,37 632 237 30
			
4 2245 0	Marelli	fits Planetary Gear 855 408 21,-22 IKA P/N 4 2400 1	631 110 00 632 234 30-36,38,94 632 235 30-33 632 236 39 E70R
			




IKA-No.	Original	References	Unit-Nos.
---------	----------	------------	-----------



4 2228 0	Melco	M135C00171 M135X00871 MD618538	M1T7 0281,0285-0287,0381,04810,681, M1T7 0685-0687,0781,0881,0981,0985 M1T7 1081,1181,1281,1381,1385,1481, M1T7 1581,1681,1781,1841,1881 M1T7 2081,2086,2181,2182,2581,2981
----------	-------	--------------------------------------	---

IKA-No.	Original	References	Unit-Nos.
4 2223 0	Remy	10475632	PG 260



IKA-No.	Original	References	Unit-Nos.
4 2218 0	Valeo Remy	21023994 21024210  Outer Gear 37 teeth fits 4 2501 1	D6RA84,85,87,185,187,188
			
4 2219 0	Valeo Remy	21023232 21023719  Outer Gear 59 teeth fits 4 2502 1	D6RA5,6,8,10,12,13,16,18,20, 22,26,30,32,33,37-39,41, 48,49,53,56,59,61,62,73, 74,93,133,141,162,249, 511,571,572
			
4 2268 1	Valeo	594019 Gear Wheel Kit (3) complete with bushings  fits Planetary Gear 4 42502 1, 4 2503 1 fits Outer Gear 4 2219 0 59 teeth	D6RA10, D6RA12, D6RA13, D6RA16, D6RA18, D6RA20, D6RA22, D6RA26, D6RA30, D6RA33, D6RA37, D6RA41, D6RA48, D6RA5, D6RA5, D6RA59, D6RA6, D6RA61, D6RA8
			

---

# 6

SINTERBUCHSEN

BUSHINGS

BAGUES







Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 000 1 000 301 042 2 000 301 019	<b>bulk</b> <b>4 4000 0</b>	packed by 10 4 4000 1	12.56/16.6x15.8
BOSCH 1 000 301 093 2 000 310 002 2 000 310 010	<b>bulk</b> <b>4 4001 0</b> <b>O.E.split bushing</b> <b>O.E.split bushing</b>	packed by 10 n.a.	14.3/16x39.8
BOSCH 1 000 301 002 1 000 301 047	<b>bulk</b> <b>4 4002 0</b>	packed by 10 n.a.	12.56/16.6x14
BOSCH 1 000 301 001 1 000 301 034 1 000 301 046	<b>bulk</b> <b>4 4004 0</b>	packed by 10 4 4004 1	12.56/16.6x11.5
BOSCH 1 000 322 005	<b>bulk</b> <b>4 4005 0</b>	packed by 10 4 4005 1	10.06/16.6 -19x14.8
BOSCH 1 000 301 009 1 000 301 031 1 000 301 066 1 000 301 106 1 000 301 120 2 000 301 020 2 001 301 020	<b>bulk</b> <b>4 4009 0</b>	packed by 10 n.a.	12.1 /13.62x11.5
BOSCH 1 000 301 011	<b>bulk</b> <b>4 4011 0</b>	packed by 10 4 4011 1	12.06/16.12x16
BOSCH 1 000 301 012	<b>bulk</b> <b>4 4012 0</b>	packed by 10 n.a.	12.06/16.12x14
BOSCH 1 000 301 013	<b>bulk</b> <b>4 4013 0</b> <b>limited stock</b>	packed by 10 n.a.	26.12/30.13-33x11.5
BOSCH 1 000 301 021	<b>bulk</b> <b>4 4021 0</b>	packed by 10 n.a.	11.06/13.63x14
BOSCH 1 000 301 022	<b>bulk</b> <b>4 4022 0</b>	packed by 10 n.a.	17.61/21.62x 9.5
BOSCH 1 000 301 023	<b>bulk</b> <b>4 4023 0</b> <b>limited stock</b>	packed by 10 n.a.	14.36/16.04x10
BOSCH 1 000 301 032	<b>bulk</b> <b>4 4032 0</b>	packed by 10 n.a.	11.1 /12.62x11.5
BOSCH 1 000 301 054 L	<b>bulk</b> <b>4 4052 0</b> <b>gear inside</b> <b>0 001 218 ...</b>	packed by 10 4 4052 1	8.06/11.12x10
BOSCH 1 000 301 026 1 000 301 053 1 000 301 077 2 000 301 025 2 000 301 053	<b>bulk</b> <b>4 4053 0</b>	packed by 10 n.a.	12.1 /13.62x13.5
BOSCH 1 000 301 054 1 000 301 070 1 000 301 076 VALEO D7E CE	<b>bulk</b> <b>4 4054 0</b>	packed by 10 4 4054 1	8.06/11.12x8.00

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 1 000 301 055 1 000 301 074	<b>bulk</b> <b>4 4055 0</b>	packed by 10 4 4055 1	18.03/22.12x08
BOSCH 1 000 301 056 1 000 301 083 2 000 301 056 FORD E90Z-11135-A VALEO D7E (DE)	<b>bulk</b> <b>4 4056 0</b>  <b>Bosch</b> <b>INA</b>	packed by 10 4 4056 1  alternative: 1 000 917 003 HK 1010	10.06/14.1x10   8 4096 0
BOSCH 1 000 301 055 K	<b>bulk</b> <b>4 4057 0</b> <b>gear outside</b> <b>0 001 218 ...</b>	packed by 10 4 4057 1	18.03/22.12x 6.5
BOSCH 1 000 301 061	<b>bulk</b> <b>4 4061 0</b>	packed by 10 n.a.	10.06/16.6x10.5
BOSCH 1 000 301 062 9 001 320 323 F 000 AL1 011	<b>bulk</b> <b>4 4062 0</b>	packed by 10 n.a.	12.56/16.6x10
BOSCH 1 000 301 063	<b>bulk</b> <b>4 4063 0</b>	packed by 10 n.a.	12.05/15.05x15
BOSCH 1 000 301 082	<b>bulk</b> <b>4 4066 0</b>  <b>limited stock</b>	packed by 10 n.a. O.E. split bush	12.10/13.62x18.8
BOSCH 1 000 301 080	<b>bulk</b> <b>4 4071 0</b>	packed by 10 n.a.	12.56/16.6x8
BOSCH 1 000 301 072	<b>bulk</b> <b>4 4072 0</b>	packed by 10 n.a.	11/13.5x09
BOSCH 9 001 140 347 FIAT / MARELLI 9 939 199	<b>bulk</b> <b>4 4077 0</b>	packed by 10 n.a.	10.06/16.6x11.5
BOSCH 1 900 301 420	<b>bulk</b> <b>4 4080 0</b>	packed by 10 4 4080 1	14/20x10
BOSCH 1 900 301 454	<b>bulk</b> <b>4 4081 0</b> <b>O.E. bushing</b>	packed by 10 n.a.	25/32x17.9
BOSCH 1 000 390 001/003 1 000 390 004	<b>bulk</b> <b>4 4082 0</b> <b>split bushing</b>	packed by 10 4 4082 1 replacement	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	<b>bulk</b> <b>4 4083 0</b> <b>sintered bushing</b>	packed by 10 n.a.	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	<b>bulk</b> <b>4 4085 0</b> <b>O.E.split bushing</b>	packed by 10 n.a.	28.5 /32.3x11
BOSCH 9 003 330 317	<b>bulk</b> <b>4 4093 0</b>	packed by 10 n.a.	10/16.1x10
BOSCH 2 000 301 000	<b>bulk</b> <b>4 4103 0</b>	packed by 10 4 4103 1	12.56/16.6x18

Original	IKA-No.	IKA-No.	Dimensions
BOSCH 2 000 301 004 2 000 310 001	<b>bulk</b> <b>4 4104 0</b>	packed by 10 n.a.	16.67/19.6x19
BOSCH 2 000 301 006	<b>bulk</b> <b>4 4106 0</b>	packed by 10 n.a.	14.36/16.04x23.5
BOSCH 2 000 301 013	<b>bulk</b> <b>4 4113 0</b>	packed by 10 n.a.	10.07/14.1x13
BOSCH 2 000 301 015	<b>bulk</b> <b>4 4115 0</b>	packed by 10 4 4115 1	40/48x10.5
BOSCH 2 000 301 016	<b>bulk</b> <b>4 4116 0</b>	packed by 10 4 4116 1	22.14/28.1x11.3
BOSCH 1 000 301 008 1 000 301 078 2 000 301 023 2 000 301 040	<b>bulk</b> <b>4 4123 0</b>	packed by 10 4 4123 1	12.1/14.12x13
BOSCH 2 000 301 026	<b>bulk</b> <b>4 4126 0</b>	packed by 10 4 4126 1	19.09/23.1x10
BOSCH 1 000 301 019 2 000 301 031	<b>bulk</b> <b>4 4131 0</b>	packed by 10 n.a.	14.36/16.04x11.7
BOSCH 2 000 301 036 9 001 082 166 Opel 347 1553 Opel/Remy 347 1069	<b>bulk</b> <b>4 4136 0</b>	packed by 10 4 4136 1	12.1/14.12x14
BOSCH 2 000 301 037	<b>bulk</b> <b>4 4137 0</b>	packed by 10 n.a.	14.06/20.03x17
BOSCH 2 000 301 041 2 000 301 045 2 000 301 049	<b>bulk</b> <b>4 4141 0</b>	packed by 10 4 4141 1	19.09/23.1x13
BOSCH 2 000 301 043 2 000 301 047	<b>bulk</b> <b>4 4142 0</b>	packed by 10 4 4142 1	14.06/18.1x14
BOSCH 2 000 301 044	<b>bulk</b> <b>4 4144 0</b>	packed by 10 n.a.	14.36/16.04x20.5
BOSCH Gear Shaft for Planetary Gear Starters	<b>bulk</b> <b>4 4198 0</b> <b>9 001 336 244</b> <b>0 001 230 ... / 231 ...</b>	packed by 10 n.a.	20.85/25x11.8
BOSCH 2 000 322 020 2 000 301 110	<b>bulk</b> <b>4 4199 0</b> <b>white metal</b>	packed by 10 n.a. limited stock	34.5/44x42.5

Original	IKA-No.	IKA-No.	Dimensions
DENSO 028403-0082	<b>bulk</b> <b>4 4457 0</b>	packed by 10 4 4457 1	12.5/14.7x14
DENSO 949103-0390	<b>bulk</b> <b>4 4461 0</b>	packed by 10 n.a.	12.5/16.5x10.5
DENSO 949103-3160	<b>bulk</b> <b>4 4462 0</b>	packed by 10 n.a.	12.5/15.5x10.5
<b>NEW</b> DENSO	<b>bulk</b> <b>4 4509 0</b>	packed by 10 4 4509 1	6.9/9.45-13.0x9.25
<b>NEW</b> DENSO	<b>bulk</b> <b>4 4510 0</b>	packed by 10 4 4510 1	7.05/9.4x8.25

Original	IKA-No.	IKA-No.	Dimensions
FIAT / MARELLI 4 114 431 9 938 368 748 603 00 FEMSA 3305-103	<b>bulk</b> <b>4 4300 0</b>	packed by 10 n.a.	12/16x14
FIAT / MARELLI 4 114 442 748 603 80	<b>bulk</b> <b>4 4301 0</b>	packed by 10 4 4301 1	10/14x15
FIAT / MARELLI 672 541 748 682 10 FEMSA 3305-13 ISKRA 17 120 057 PAL MAGNETON	<b>bulk</b> <b>4 4302 0</b>	packed by 10 4 4302 1	10/14x13.5
FIAT / MARELLI 4 007 952 747 057 10 FEMSA 3305-10 3835-38 ISKRA 17 120 203 CE LADA 2101-370-8310 CE	<b>bulk</b> <b>4 4304 0</b>	packed by 10 n.a.	12/16x16
FIAT / MARELLI 4 047 985 748 661 40 FEMSA 3305-11 LADA 2101-370-8405 DE	<b>bulk</b> <b>4 4305 0</b>	packed by 10 n.a.	12/16x24.5
FIAT / MARELLI 9 927 787 723 625 10	<b>bulk</b> <b>4 4306 0</b>	packed by 10 4 4306 1	12.57/18.54x19.8
FIAT / MARELLI 9 927 783,-789 723 629 10	<b>bulk</b> <b>4 4307 0</b>	packed by 10 4 4307 1	14.1/20x11.8
FIAT / MARELLI 9 927 796 723 650 10	<b>bulk</b> <b>4 4308 0</b>	packed by 10 4 4308 1	20.27/24x13,9
FIAT / MARELLI 748 811 10 748 878 90	<b>bulk</b> <b>4 4311 0</b>	packed by 10 n.a.	12/16x12
FIAT / MARELLI E70R D.E.	<b>bulk</b> <b>4 4312 0</b>	packed by 10 n.a.	8/12x 9.6
FIAT / MARELLI E70R I.M.	<b>bulk</b> <b>4 4313 0</b>	packed by 10 n.a.	18.1/23x8.0
FIAT / MARELLI Starter Drive	<b>bulk</b> <b>4 4314 0</b>	packed by 10 n.a.	12.16/14.1x18
FIAT / MARELLI E95R C.E.	<b>bulk</b> <b>4 4315 0</b>	packed by 10 n.a.	15.07/18.1x11.8
FIAT / MARELLI E70R C.E.	<b>bulk</b> <b>4 4316 0</b>	packed by 10 n.a.	8/11.5-14.5x10
FIAT / MARELLI M70R	<b>bulk</b> <b>4 4318 0</b>	packed by 10 n.a.	18.17/23.05x 9.2

Original	IKA-No.	IKA-No.	Dimensions
FIAT / MARELLI 850 208 747 058 10 DUCELLIER 604 521 PARIS RHONE 47 852	<b>bulk</b> <b>4 4354 0</b>	packed by 10 4 4354 1	14/18x20

Original	IKA-No.	IKA-No.	Dimensions
FORD-VISTEON PMGR 97BB-11000-BB,BC	<b>bulk</b> <b>4 4272 0</b>	packed by 10 n.a.	8.1/12.45x10
FORD-VISTEON Gear	<b>bulk</b> <b>4 4273 0</b>	packed by 10 n.a.	7.0/11.9x10

Original	IKA-No.	IKA-No.	Dimensions
HITACHI 2114-44101	<b>bulk</b> <b>4 4443 0</b>	packed by 10 n.a.	18.1/22.04x6.8
HITACHI PMGR	<b>bulk</b> <b>4 4444 0</b>	packed by 10 n.a.	22.05/26.05x5.2
HITACHI 2114-5352 PAL 323 622 640 853 Skoda Favorit	<b>bulk</b> <b>4 4454 0</b>	packed by 10 n.a.	12.5/16.0x12
HITACHI 2114-4661 2114-5661	<b>bulk</b> <b>4 4455 0</b>	packed by 10 4 4455 1	12.5/16.0x15
HITACHI 2114-3601 FIAT 748 944 80	<b>bulk</b> <b>4 4459 0</b>  <b>limited stock</b>	packed by 10 n.a.	11.0/15.0x15
HITACHI 2120-4401	<b>bulk</b> <b>4 4463 0</b> <b>limited stock</b>	packed by 10 n.a.	20.4/26.5x12.5
HITACHI 2106-1601 2106-2352 2114-1352 2114-1601 2114-3352	<b>bulk</b> <b>4 4466 0</b> <b>limited stock</b>	packed by 10 n.a.	11.5/15.0x13/14
HITACHI 2114-2601 2120-2601	<b>bulk</b> <b>4 4471 0</b>	packed by 10 n.a.	14.0/18.0x20
HITACHI 2130-1310 2130-2601	<b>bulk</b> <b>4 4472 0</b>	packed by 10 n.a.	14.0/18.0x17
HITACHI 2114-1353	<b>bulk</b> <b>4 4485 0</b>	packed by 10 n.a.	12.05/15.55x5.5



Original	IKA-No.	IKA-No.	Dimensions
LUCAS 54.252.054 TCB 114	<b>bulk</b> <b>4 4400 0</b> <b>limited stock</b>	packed by 10 n.a.	12/15x16.7
LUCAS 253.316 TCB 124	<b>bulk</b> <b>4 4403 0</b> <b>limited stock</b>	packed by 10 n.a.	19/20.6x17.8
LUCAS 54.255.966 TCB 118 part of kit	<b>bulk</b> <b>4 4409 0</b>	packed by 10 4 4409 1	17.1/21x22.2
LUCAS 54.256.151	<b>bulk</b> <b>4 4410 0</b> <b>TCB 106/118 part</b> <b>of kit</b>	packed by 10 n.a.	28.6/31.8-38.1x13
LUCAS 54.257.833	<b>bulk</b> <b>4 4411 0</b> <b>TCB 106/118 part</b> <b>of kit</b>	packed by 10 n.a.	12.8/19.1x14
LUCAS 271.364 TCB 120	<b>bulk</b> <b>4 4412 0</b> <b>limited stock</b>	packed by 10 n.a.	12.7/15.9x16.5
LUCAS 54.256.098 54.256.132	<b>bulk</b> <b>4 4414 0</b> <b>TCB 106/118 part</b> <b>of kit</b>	packed by 10 n.a.	12.8/15.9x14
LUCAS Starter 27576	<b>bulk</b> <b>4 4415 0</b> <b>TCB 106 part of kit</b>	packed by 10 n.a.	14.4/17.5x22.2
LUCAS 54.269.790	<b>bulk</b> <b>4 4418 0</b> <b>TCB 129/130 part</b> <b>of kit</b>	packed by 10 n.a.	12/15x8

Original	IKA-No.	IKA-No.	Dimensions
MELCO Planetary Gear	<b>bulk</b> <b>4 4452 0</b>	packed by 10 n.a.	8.1/11.5x11.6
MELCO Starter Drive	<b>bulk</b> <b>4 4453 0</b> <b>limited stock</b>	packed by 10 n.a.	12.0/14.0x16
MELCO M410D11271	<b>bulk</b> <b>4 4456 0</b>	packed by 10 n.a.	11.0/13.0x13
MELCO M409C12670	<b>bulk</b> <b>4 4458 0</b>	packed by 10 n.a.	11.0/14.0x13
MELCO M409C12970 M409D30201 M649D 30201	<b>bulk</b> <b>4 4464 0</b>	packed by 10 4 4464 1	10.0/14.0x13.5
MELCO M409C32370	<b>bulk</b> <b>4 4465 0</b>	packed by 10 4 4465 1	12.0/16.0x9.5
MELCO M409C12870	<b>bulk</b> <b>4 4470 0</b>	packed by 10 4 4470 1	10.0/14.0x9.5
MELCO M409X32571	<b>bulk</b> <b>4 4484 0</b>	packed by 10 4 4484 1	10.0/13.0-16.0x10.5

Original	IKA-No.	IKA-No.	Dimensions
PAL MAGNETON 323 125 527 127 AVIA CE 360 904 551	<b>bulk</b> <b>4 4240 0</b>	packed by 10 n.a.	14.54 /18.03x14.8
PAL MAGNETON 323 125 436 125 AVIA IM 397 907 552	<b>bulk</b> <b>4 4241 0</b>	packed by 10 n.a.	19.06 /22.53x13.9
PAL MAGNETON 323 125 527 131 AVIA DE 360 904 550	<b>bulk</b> <b>4 4243 0</b>	packed by 10 n.a.	14.54 /18.03x16.8
PAL MAGNETON 751 904 552 VIKO T815 931550	<b>bulk</b> <b>4 4244 0</b> <b>limited stock</b>	packed by 10 n.a.	23.04 /27.03x19.8
PAL MAGNETON 390 905 550 LIAZ TATON	<b>bulk</b> <b>4 4245 0</b>	packed by 10 n.a.	21.03 /24.67x25.9
PAL MAGNETON 323 125 723 125 SKODA 103 903 552	<b>bulk</b> <b>4 4247 0</b>	packed by 10 n.a.	12.56 /16.6x14
PAL MAGNETON 323 622 642 933 SKODA FAVORIT 114 904 550	<b>bulk</b> <b>4 4248 0</b>	packed by 10 n.a.	10/14x15

# SINTERBUCHSEN SELF LUBRICATING BUSHINGS

# REMY

Original	IKA-No.	IKA-No.	Dimensions
REMY US 194 5509	<b>bulk</b> <b>4 4201 0</b>	packed by 10 n.a.	16/19.2x22
REMY US 198 8096	<b>bulk</b> <b>4 4202 0</b>	packed by 10 n.a.	21.3 /24.4x25
REMY US 196 2606	<b>bulk</b> <b>4 4205 0</b> <b>limited stock</b>	packed by 10 n.a.	19.2 /31.8x10.2
REMY US 1943628	<b>bulk</b> <b>4 4207 0</b> <b>limited stock</b>	packed by 10 n.a.	14.31/19.11x19.2

Original	IKA-No.	IKA-No.	Dimensions
VALEO 600 609	<b>bulk</b> <b>4 4253 0</b>	packed by 10 n.a.	13/15x14,5
VALEO 098 888	<b>bulk</b> <b>4 4257 0</b>	packed by 10 n.a.	10/13x12
VALEO 030828 DUCELLIER 094 909 604 541	<b>bulk</b> <b>4 4259 0</b>	packed by 10 4 4259 1	15.95/19.15x14
VALEO 028 936 068 888	<b>bulk</b> <b>4 4260 0</b>	packed by 10 n.a.	16.2/19.15x15
VALEO 600 628 602 039	<b>bulk</b> <b>4 4263 0</b>	packed by 10 n.a.	13/15x13.5
VALEO 68 412 601 476 ISKRA 15 120 087 LUCAS 54.269.480 PARIS RHONE 097 726 ROMANIAN DM 214 Dacia CE	<b>bulk</b> <b>4 4264 0</b>	packed by 10 4 4264 1	12.05/15.05x12
VALEO 051914 DUCELLIER 068 902, 068 903 084 909 LADA Samara DE ROMANIAN DM 214 Dacia DE	<b>bulk</b> <b>4 4265 0</b>	packed by 10 4 4265 1	12.05/15.05x15
VALEO 078039	<b>bulk</b> <b>4 4350 0</b>	packed by 10 n.a.	12/15.05-18x16
VALEO 068 763 PARIS RHONE 096 485 FEMSA 3305-89 ROMANIAN 2130510	<b>bulk</b> <b>4 4351 0</b>	packed by 10 4 4351 1	14/18x16
VALEO 050488	<b>bulk</b> <b>4 4352 0</b>	packed by 10 4 4352 1	20/24x12
VALEO 049 785, 052 123 DUCELLIER 068 449	<b>bulk</b> <b>4 4353 0</b>	packed by 10 4 4353 1	14/18x18
VALEO 074 952	<b>bulk</b> <b>4 4355 0</b>	packed by 10 n.a.	16/20x10
VALEO 055 330 074 332	<b>bulk</b> <b>4 4361 0</b>	packed by 10 n.a.	17/21x24
	<b>limited stock</b>		

Original	IKA-No.	IKA-No.	Dimensions
VALEO 095 654	<b>bulk</b> <b>4 4363 0</b>	packed by 10 n.a.	20/24x16
VALEO 074 330	<b>bulk</b> <b>4 4364 0</b> <b>limited stock</b>	packed by 10 n.a.	27/35x14
VALEO 105 464	<b>bulk</b> <b>4 4371 0</b>	packed by 10 4 4371 1	10/13x13
VALEO 105 715	<b>bulk</b> <b>4 4372 0</b>	packed by 10 4 4372 1	10/13x16
VALEO Starter Drive MITSUBISHI Starter Drive	<b>bulk</b> <b>4 4380 0</b>	packed by 10 n.a.	12/14x20
VALEO D6RA DE	<b>bulk</b> <b>4 4501 0</b>	packed by 10 n.a.	12/15x10
VALEO D6RA IM	<b>bulk</b> <b>4 4502 0</b>	packed by 10 n.a.	18/22x5
VALEO D6RA CE	<b>bulk</b> <b>4 4503 0</b>	packed by 10 4 4503 1	6/10.0-13.7x 8
VALEO D6RA DS	<b>bulk</b> <b>4 4504 0</b>	packed by 10 n.a.	6/9x7 Planetary Gear inside
VALEO D7R IM	<b>bulk</b> <b>4 4505 0</b>	packed by 10 n.a.	20/24x5
VALEO D7R DS	<b>bulk</b> <b>4 4506 0</b>	packed by 10 4 4506 1	7/10x6.1
VALEO D6RA Gear Wheel	<b>bulk</b> <b>4 4507 0</b>	packed by 10 n.a.	4/7x7
VALEO D6G DS	<b>bulk</b> <b>4 4508 0</b>	packed by 10 n.a.	5/9x7 mm Planetary Gear inside

---

# 7

NADELLAGER

NEEDLE BEARINGS

ROULEMENTS A AIGUILLES







# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 2256 0</b>	INA	HK 0608	06.00 / 10.00 x 08.00	0 001 106 011, 012, 014-017, 019, 022, 023, 024 0 001 107 003-008, 011, 014-023 025-028, 030, 031, 037, 038, 039, 041, 043-045, 047-049, 052-055, 059, 062, 063, 066, 068-071, 073-075, 077, 080, 082, 087, 088, 091, 093-097, 100, 101, 103, 104, 108, 0 001 108 001-004, 009, 010, 019 023, 024, 026, 027, 030, 031-035, 037, 038, 043, 046-048, 051-053, 056, 062, 066, 068-070, 072, 073-081, 083-098, 100, 112-115, 117-119, 122, 123-126, 128-130, 133, 134-140, 143, 145, 148, 149-151, 153, 154, 157, 159-162, 166-167, 169, 170, 171, 173-178, 180, 182-184, 186, 190, 197, 204, 217, 218, 220, 221 0 001 109 014, 018, 021, 022, 025, 026, 030, 033, 034, 036, 040, 041, 045, 048, 200, 201, 250, 252, 253, 258, 259, 268-270, 300, 301 0 001 110 072, 110, 112, 132 0 001 115 002, 005, 008, 012, 015, 020, 024, 068, 069 0 001 121 001, 002 0 001 123 002, 003 0 001 124 020, 021 0 001 139 015, 016 0 001 218 162, 165, 172 0 001 223 002, 005, 007, 024 428000-0720, -1620
<b>8 2258 0</b>	INA	HK 0609	06.00 / 10.00 x 09.00	0 001 110 001, 002, 007-016, 019, 022, 023, 029-032, 041, 043, 045, 046, 048, 049, 051, 053, 063-067, 069-071, 075, 086-091, 098-101, 104-108, 118, 119, 120, 133, 134 0 001 117 008 0 001 124 003-006, 013, 014, 025, 0 001 218 166, 173 S114-516, -A, -520A, -B, S114-526A, -535, -806, -A, S114-844, -869, -871, -925, 91AB-11000-EB, -FB, -PA, 92AB-11000-HA, -HB, 95VW-11000-DA, -EB, -EC
<b>8 2260 0</b>	INA	HK 0509	05.00 / 09.00 x 09.00	0 001 107 072 0 001 109 001, 003, -005, 017, 025, 026, 042, 055, 056, 079,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				082, 089, 092, 095, 102, 115, 124-127, 138 0 001 121 006-011, 016, 017, 022, 023, 026-029 0 001 123 012-019 0 001 124 011, 012, 018, 019, 022,023 0 001 125 001, 002, 007-013, 016-019, 021, 022, 031, 032, 035, 036, 039, 040, 046-050, 051-054, 501, 502-504, 507, 508, 511, 512-514, 517, 518, 600 0 001 218 003-006, 008, 009, 012, 013, 017-024, 026, 027, 101, 103-105, 108-115, 120, 122, 127, 128, 130, 131, 133, 134, 141, 145, 146, 147, 152, 153, 155, 159, 160, 163, 167, 168, 171, 174 D6G1, D6GS11,-12,-13 D7G9,-26 D7R5,-8,-13,-16,-20,-25,-49 D7RS30,-130,-301 D8R1,-27,-29 D9R149 TS22E26
<b>8 2269 0</b>	Valeo INA	186663 HK 0408	04.00 / 08.00 x 08.00	D6RA67,- 81,- 91,- 100, -114 D6RA167,-181 D6RADP183,-359
<b>NEW 8 4077 0</b>	Bosch INA DAF MAN Opel	F-575702 1875154 51 26213 0015 2119218	25.00 / 32.00 x 10.00	0 001 241 001, 008, 012, 024, 119 0 001 261 003-006, 013, 025-028, 041
<b>NEW 8 4078 0</b>	Bosch INA  VAG	1 000 917 020 F-571073.01  03G 911 155	25.00 / 32.00 x 14.80	0 001 177 000-013 0 001 179 500-519, 522, 523, 530, 531 0 399 703 170, 171 0AH 911 023 H, -HX, -J, -JX 0AM 911 023 N, -NX, -R, -RX 02E 911 024 B, -BX, 02M 911 021 G, -GX, -H, -HX 02M 911 024 B, -Q, -QX, -R, -RX 02M 911 024 R, -RX 02Z 911 024 F, -FX
<b>8 4079 0</b>	Bosch INA	9 001 140 384 HK 1210	12.00 / 16.00 x 10.00	0 001 107 037, 048, 056, 100, 101, 108 0 001 108 115, 145, 147, 157, 168, 169 0 001 109 014, 015, 023, 025, 030, 031, 033-036, 040-042, 045, 046, 048, 052, 055, 061-063, 068, 069, 070, 200, 201, 250, 252, 253, 256, 262-274, 300-303, 306, 307 0 001 110 039, 040, 043, 044, 051, 053, 054, 064, 065, 067, 088, 104, 105, 110, 112, 113, 130, 131,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				0 001 111 002 0 001 112 025 0 001 115 047, 048, 074, 075 0 001 139 001, 002, 015, 016, 025 0 001 218 002, 003, 006-011, 014-017, 019-024, 026-029, 100-110, 113-115, 118-129, 131, 133, 134-138, 140-147, 150-156, 158-168, 170-178, 602, 620, 703, 710, 719, 722, 725, 728, 735-738, 740-742, 754, 758, 759, 763-768, 770-772, 774,
<b>8 4090 0</b>	Bosch  INA	1 000 917 009 1 000 917 010 1 000 917 012 F-235208/.02/.04 F-600387	28.00 / 35.20 x 14.62	0 001 120 400-411 0 001 121 032,033,402,403, 408-413,422,423,427-430 443,444 0 001 122 201,202,400-403 0 001 123 001-003,012-021,024-029, 036-039,044,045, 0 001 124 026,027 0 001 125 055-058,519-522,609,610, 617,618 0 001 142 001-006 0 001 145 001,002 0 001 153 007-010,013,014 F 002 G20 325
<b>8 4091 0</b>	Bosch INA	9 003 330 901 NK 10/17 TN	10.00 / 17.00 x 12.00	9 000 331 201
<b>8 4092 0</b>	Bosch INA	2 000 910 013 F-220469	15.87 / 23.80 x 21.90 (closed)	0 001 370 003,004 0 001 371 004-010,012-020
<b>8 4094 0</b>	Bosch  INA	1 000 917 007 6 033 AC0 352 6 033 AD6 141 Kit F-229411,-KLM HK 3016 B	30.50 / 37.00 x 16.00	0 001 121 022,023 0 001 124 020,021 0 001 125 016-019,046-049,053,054, 600,601,605-608 0 001 314 047, 048 0 001 330 004,007,008,011-014, 016-018,020,047,050, 057,060,501,502 0 001 33E 101, 0 001 33F 102 0 001 340 501-505 0 001 34B B01,H01 0 001 34F 801,802 0 399 B50 306,307 F 002 G20 286,310,314,475,553,570, 589,594,656,669,670,689 947,948 F 002 G70 057,058
<b>8 4095 0</b>	Bosch INA	1 000 917 005 HK 1214 2RS FPM	12.00 / 16.00 x 14.00	0 001 107 070,071 0 001 108 113,114,174,175, 200,201,220,221 0 001 109 011,021,022,026,043,044, 056,059,060,064-067, 204,205,258-261,275,276, 304,305,340,341,389,390 0 001 110 029,030,056,066,067, 100,101,106,107,122,123,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				126-129,136-139 0 001 115 022,023,088,089,092,093 0 001 139 023,024,031,032,047,048 9 000 694 048 F 004 A94 002,009
<b>8 4096 0</b>	Bosch INA Marelli Valeo	1 000 917 003 HK 1010 708 040 060 185 951	10.00 / 14.00 x 10.00  alternative product for bushing 4 4056 0	0 001 106 023,024 0 001 107 030,059,064,075,078-080, 082,088,102,433,434,440, 441,448,449,452,453, 459-462,476-479,514, 529-531, 0 001 108 068,069,103,104,123,134, 150,153,160,167,170,172, 0 001 108 181,197,199,202,204,205, 213,214,217,218,222-224, 234,235,239,240,403,404, 409,410,415,416,420,421, 428,429,441,442,445,446, 450,451,456,457,996-999 0 001 112 035 0 001 115 005,006,008,020,021,025, 039-041,045,046,049-054, 056,057,068-073,076-079, 082-085,096-101,103-109 0 001 116 004 0 001 148 003,004 0 001 170 400-403,406,407 0 001 172 400,401 0 001 223 006,012,018,019 9 000 694 035,044 9 001 107 088,434 9 007 046 007,009 F 000 AL0 100-102,106,109,110,127, 316,901 F 000 AL1 436,617,644,924,951,952, F 004 A94 007,434,441,449 F 004 A95 002 F 026 T02 002
<b>8 4097 0</b>	Bosch INA	1 000 917 004 HK 1014 RS	10.00 / 14.00 x 14.00 closed	0 001 106 406,404 0 001 107 010,011,019,027-029, 038,039,041,043,063, 085,087 407,410,417,418,421, 422,456,499,500-502 0 001 108 125,128,130,132,133 138-141,155,156,176-178, 183,188,206,207,210, 228,229,237,238 400,405,406,408,411,412, 0 001 112 017,018,029,033,037,041, 0 001 113 009,010,015,017, 0 001 115 009,016,017,031,032,035, 0 001 116 003 9 000 695 004,005,007,008, F 000 AL0 103,104 F 002 G20 049,101,348,449,500,546, 568,639,697,715 F 004 A94 004

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 4098 0</b>	Marelli/Fiat INA	HK 1214 RS	12.00 / 18.00 x 14.00	0 001 110 126-129, 136-139 50246416 63221801,831 63222000,001 63222030,031,034,036,038,039 63222130,133,134,135,136,138 63222204
<b>8 4099 0</b>	Bosch INA	9 003 330 903 HK 1216 2RS	12.00 / 18.00 x 16.00	0 001 218 157, 757 0 001 223 001, 009, 010, 014, 021 0 001 230 002, 003, 014, 025 0 001 231 028, 045 0 001 260 001
<b>8 4207 0</b>	Remy INA	7451787 9437171 FC-66217	17.00 / 23.80 x 31.80 closed	20SI,27SI Type 200 1100 056,057,061,062,066, 067,071-073,075-078, 080-083,086,087 1901 0100, 0108, 0111, 0114, 0115, 0118, 0120, 0124, 0126, 0127, 0129, 0134, 0138, 0141, 0145, 0147, 0153-0163, 0168, 0171, 0173, 0174, 0176, 0178, 0181, 0182, 0185, 0193, 1901 1108 1902 0307, 0310, 0346, 0366, 0376, 0382, 0383, 0391
<b>8 4208 0</b>	Ford-Visteon	SCE 98	14.29 / 19.05 x 12.70	1S7U-11000-BA,-BB,-BC YC1U-11000-AB,-AD,-AE,-AF,-AG 1120215, 1140110, 1151641 1197912, 1209193, 1214371 1233277, 1386127, 1387062 1449615, 1450653, 1541002
<b>8 4209 0</b>	Bosch INA	1 000 917 008 F-231294	05.00 / 08.52 x 06.86	0 001 107 404,405,410,418,429, 435,437,440,441,501,502 0 001 108 400,405,406 0 001 120 402,403,406-411 0 001 121 402,403,408-411 2S6U-11000-DA, -DB, -DC
<b>8 4210 0</b>	Melco	DB501005C	10.00 / 15.00 x 15.40 closed	M2T80582 M2T84071, -ZT, M2T84171, -ZT M2T84571, M2T85271 M2T87071, -ZT, M2T87271, -ZT M2T87471, -671, -971 M2T88071, M2T88271, M2T88471 M2T88473, M2T88671 MD312857, MD312858, MD314167 MD315547, MD315548, MD344182 MD344183, MD348221
<b>8 8118 0</b>	INA	HK 1812	18.00 / 24.00 x 12.00	9 000 331 201, -203 D9R112, -116, -118, -119, -121 D9R122, -142, -144, -149 D9R73, -84, -89, -90, -91, -97, -99 D9RP160, -256

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
<b>8 8161 0</b>	Melco	TLA141912ZE01	14.00 / 19.00 x 12.00	M2T61071, -072 M2T61171, M2T62271, M2T63171 M2T66871, -873 M2T67871, -872, -873 M2T67881, -882, -883, -884 M2T74371, M2T92071, -A MD156987, MD156989, MD164977 MD164978, MD191437 ME017035, ME017036, ME017056 ME017061, ME017085, ME017089
	INA	HK 1419		
<b>8 8200 0</b>	Lucas	54160827	17.00 / 23.80 x 17.40 closed	A127 24145A,-D,24156A,-D,24157A,-D 24158A,-D,24161A,-D 10SI,12SI,15SI,17SI,27SI 1047 9823,9825-9827,9832-9834, 9858,9860,9862,9864-9869, 9915,9916 1100 059,063-065,068,074,092, 109-113,115,119-122,124, 125,127,129,130,133,138-143, 145,146,148-156,158,159, 162-169,173-176,178-182
		54207267,-268 UMB 113		
	Remy	943 6831,-7305,-8527 9441879		
	Ford	D20Z-10A304-A		
	INA	BCH-06604 closed		
<b>8 8275 0</b>	Bosch	2 000 910 004	19.05 / 25.40 x 15.88	0 001 510 001-003,005,008-010, 017-041 0 001 512 001,002
	INA	SCE 1210 B		
<b>8 8277 0</b>	Lucas	54207451	17.00 / 23.80 x 17.40 open	A127 w. vacuum pump 24188,-A,-C, 24230,-A,-B, 24246A, 24256A,-C, 24264,-A, 24273A, 24274A, 24277A, 24293, 24294A, 24316, 24374 10DN series 1100 619,653,654,721,722,732, 735,773,806,821,822,887 864F-10300-FD,-FE 864F-10K359-FC,-FD, FE 864FX-10K359-FE, 884F-10K359-AB 894F-10300-BA, 894FX-10300-BA 894X-10300-AE, BA 914F-10300-AA, 914F-10K359-AA 924F-10300-AA,-AB 924F-10K359-AB, 924FX-10K359-AA 924X-10300-AB, 954F-10300-AA 954F-10K300-AA,-AB 954F-10K359-AB
		UMB 115,129		
	Remy	9437 221,-222		
<b>8 8305 0</b>	Melco	S933P65270	12.00 / 17.00 x 12.00	M2T92071,-A,92171,92172,-A 92271,-A,95071
		TLA121712		
<b>8 8314 0</b>	Melco	S933P70605,-70669	10.00 / 15.00 x 15.00 closed	M0T83481, 90781 M1T73681, 74781,-A, 74785, 90081,-A M2T24081, 24082, 24181, 24281 25081, 25082, 25083 M2T25281, 25282, 25381, 25481, 25282, 25381, 25481, 25581, 25681, 25981, M2T42981, 46681, 46682, 47381, 47382, 48281, 49282, 49283, 49481, 49581, 49981,
		TLAM101515UE09		

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				M2T80582, 85671 M3T24482H,-J,-K M3T24486A,-H,-N, M3T43081, 44181, 44281, 48181, 48281, 48381, 48382, 48681, 49281, 49282, 49381, 49481 233000-C010, -H610, -P510 23300-18V10, 23300-30P16, 30P17 23300-41B15, 23300-48L10 23300-53J10, 53J15 23300-60U11, 60U12 23300-73C10, 73Y10 23300-H5015, 23300-M8212
<b>8 8663 0</b>	Bosch INA	2 000 910 015 F-220469.1	16.00 / 23.85 x 18.95	0 001 372 001-008
<b>8 8664 0</b>	Bosch INA	2 000 910 011 SCE 1012	15.88 / 20.64 x 19.05	0 001 370 001,002 0 001 371 001 9 000 453 029, 064-068
<b>8 8665 0</b>	Bosch Ford Hitachi INA	2 000 910 012 BE9H-11052-B TN49-11339-A 2114-1411 F-230978 HK 2216 2RS	22.00 / 28.00 x 16.00	0 001 370 001-004 0 001 371 001,004-010,012-020 0 001 372 001-008 9 000 453 029,064-068
<b>8 8668 0</b>	Valeo INA	185 467 HK 1012 RS	10.00 / 14.00 x 12.00	D7G11 D7R1, -2, -3, -4, -8, -13, -16, -17 D7R17, -18, -20, -25, -40, -45, -61 TS12E10 M1T93071, -ZC, M1T93171ZC M1T93371, 93571 M9T60471, 60672 M9T61171, 61571 MD329260
<b>8 8671 0</b>	Hitachi INA PAL-Magneto n	2130-1451 HK 2212 324592000, 324592003	22.00 / 28.00 x 12.00 closed	9142 687, 700, 702, 704, 708, 709, 720, 722, 723, 724, 727, 728, 729, 740, 741-744, 764, 765, 780, 782, 783, 801, 802, 803, 840, 860 9172 702, 780
<b>8 8672 0</b>	INA	HK 1412	14.00 / 20.00 x 12.00	M2T56272 M2T60171, 60172, 60185 M2T61071, 61171, 62771 M2T63171, 66871, 66873 M2T67871, 67872, 67873 M2T92071, -A, 92171 M2T92172, -A MD072654, 95865, 121581 MD156987, 164977, 164978 MD177596, 191437 ME017035, 17056, 17061
<b>8 8673 0</b>	INA	HK 0810	08.00 / 12.00 x 10.00	0 001 230 006, 012, 014 0 001 231 002, 003, 004, 008, 009, 011, 013, 014,

# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				017, 029, 030, 032, 0 001 241 001, 015, 020 0 001 261 001, 002 21020892, 21020893 21021366, 21021648 M9T60471, 60671, 60672 M9T60471, 61571, 61971 TS18ER20
<b>8 8674 0</b>	INA	HK 0808	08.00 / 12.00 x 08.00	D7G11, -20, -26, -3, -4, D7GS10, -8, -9 TS18E3, -13 TS22E26, -8, -9 9000751, 9000756, 9000758 9000772, 9000785, 9000791 9000794
<b>8 8675 0</b>	Bosch INA	1 000 917 006 HK 0910	09.00 / 13.00 x 10.00	0 001 107 031,032,049, 415,429,431,432,437 F 000 CD0 202 F 002 GD20 485
<b>8 8677 0</b>	Valeo INA	F-123861	26.10 / 33.00 x 13.70	D7E S5
<b>8 8681 0</b>	Ford Melco	SCE 116 BA 116 Z	17.46 / 22.23 x 09.5	M0T86081, 86181, 87881, 80381 M1T93071,-ZC, 93371, 93571 M2T80582, 84771, 85271, 88071, 88271 MD344183, 348221
<b>8 8683 0</b>	Remy INA	9441512 10483523 SCE 146B	22.2 / 28.60 x 09.4	PG260F1 2102 0892,0893,1366,1648, 9000 0700,0751,0756,0758, 0772,0785,0791,0794
<b>8 8684 0</b>	Remy INA	3472455 7982870 F-56769	11.50 / 17.50 x 16.50 closed	3472 002,014,018,020-024, 026,028,032,033,037, 038,042,048-053,057, 058-070,072-075,082, 091,093,104-106,119, 120,121,128,130,134, 135,137,139,142-144, 170,171,188,202,204, 206,208,210,220,275, 641,706 3493 204,220,230,234,239, 242-244,604,606,619, 621,634,635,639,641, 644,704,706,714,715, 716,717,719,721,734, 739,741,791 5153010, 7982574, 7982575
<b>8 8693 0</b>	Bosch INA	2 000 910 005 F-203215 RH L091 F-91916	33.00 / 48.00 x 15.00	0 001 410 015-017,019,021,022,024, 029,032,034,035,037,041, 043,044,046,049,050,052, 058,061-063,065,067-069, 073,075,077,078,083, 086-092,094,098,101,102, 104-106,109,111,113, 115-118



# NADELLAGER NEEDLE BEARINGS

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				0 001 411 001,002,004-007,009-032, 035,036 0 001 413 001,003-014,017,018 0 001 414 001-011,013-022 0 001 415 001-014,016-024,027 0 001 416 001-019,021-033,035-040, 042-086 0 001 417 001-020,023-031,033-038, 040-048,050-069,071-080 0 001 418 001-017 9 000 084 007-026,085
<b>8 8829 0</b>	Hitachi Nissan INA	2250-1451 23341-V0600 HK 1512	15.00 / 21.00 x 12.00	S13-33,33A,33B,37,37B, 38B,41,41A,45A,45B, 68,86 S25-110F,110G,110L, 125A,125B,132C
<b>8 8981 0</b>	Bosch Ford IVECO INA	6 033 AC 0093 F7RU-11448-EA 42535274 HK 1212	12.00 / 18.00 x 12.00	0 001 223 003,007,024 IVECO
<b>8 8982 0</b>	Melco INA	HK 1414 2RS	14.00 / 20.00 x 14.00 closed	M1T93171 ZC
<b>8 8983 0</b>	Bosch  INA	2 000 910 002 2 000 910 009 HK 1816	18.00 / 24.00 x 16.00	0 001 410 015-017,019,021,022, 024,029,032,034,035, 037,041,043,044,046, 049,050,052,058,061-063, 065,067-069,073,075,077, 078,081,083,086-092,094, 098,101,102,104-106,109, 111,113,115-118 0 001 411 001,002,004-007,009-032, 035,036 0 001 413 001,003-014,017,018 0 001 414 001-011,013-022 0 001 415 001-014,016-024,027 0 001 416 001-019,021-033,035-040, 042-083 0 001 417 001-020,022-031,033-038, 040-048,050,051,053-069, 071-080 0 001 418 001-017 9 000 084 007-026
<b>8 8986 0</b>	Hitachi Nissan INA	2130-3451 23338-V0700,-V0702 HK 2012	20.00 / 26.00 x 12.00	S13-49A
<b>8 8987 0</b>	INA	HK 2220	22.00 / 28.00 x 20.00	0 001 420 001 0 001 420 012
<b>8 8989 0</b>	Bosch INA	HK 2512	25/32 x 12 mm	0 001 241 003,007,009,014,016, 019-021,023 HEF95-L 24V(R)



# 8







REPARATURSÄTZE UND BUCHSENSÄTZE

REPAIRKITS AND BUSHING-KITS

KITS DE REPARATION ET JEUX DES BAGUES









IKA-No.	Original	Qty.	References	Unit-Nos.
	Bosch	1	2 000 105 040	0 001 410 ... 411
	1 987 010 000	2	2 000 109 008	414 ... - 417
		1	2 000 210 014	KB-Starter
		1	2 000 212 000	24 Volt
		1	2 000 301 015	
		1	2 000 301 016	
	Kit	2	2 000 500 084	
	w. needle bearing	1	2 000 910 005	
	w/o. brushes	1	2 003 315 002	
		4	2 003 450 015	
	1	2 004 650 030		
	Bosch	1	Kit 0 3811 1	0 001 410 ... 411
	w. brush set BSX 148	1	2 007 014 070	414 ... - 417
				KB-Starter 24 Volt
	Bosch	1	Kit 0 3812 1	0 001 410 ..., 411...
		1	0 331 101 006 Relais	0 001 414 ..., 417...
	Kit	1	0 331 450 001 Relais	KB-Starter
	w. relais+clutch	1	2 006 401 527 Clutch	24 Volt
	Bosch	1	Kit 0 3811 1	0 001 416 ...
	Kit	1	2 007 014 079	0 001 417 ...
	w.brush set BSX 172-173			KB-Starter 24 Volt
		1 Kit	0 3814 1	0 001 416 ...
	Kit	1 Relais	0 331 101 006	0 001 417 ...
	w. relais+clutch	1 Relais	0 331 450 001	
		1 Clutch	2 006 401 527	
	Bosch		1 006 200 050	0 001 218 001-029
	Repair Kit for Gear		9 001 140 362,391	0 001 219 002,003
			9 001 337 069	9 000 331 401-413,417,418,421
			9 003 336 268,285	
			pin-diameter 8.00 mm with 2 bushings	

# REPARATUR- UND BUCHSENSÄTZE REPAIR KITS AND BUSHING-KITS

# BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
<b>4 2238 1</b> 	Bosch		1 007 010 079	0 001 120 400-411
			1 000 500 591	0 001 121 001,002,006-011,017-019, 022-035 402,403,408-413,418-421, 429,430,433-436
			Repair Kit Seal + Oil Seal	0 001 122 201,202,400-403 0 001 123 001-003,012-021,024-029, 036-039,044,045 0 001 124 001-008,011-015,018-027 0 001 125 001-013,016-019,021,022, 025,031,032,035,036,039, 040,042,043,046-049, 051-060 501-508,511-514,517-522, 600-602,605,607-610,617,618
<b>4 2261 1</b> 	Bosch		Outer Gear Kit 109/125	Gear 1 006 200 096,099,1117,126,166 0 001 109 014,018,019,025,026,028, 030,031,033,036,041,042,048, 200,252,253 0 001 110 112 0 001 125 001,002,005-009,012,013, 016-019,021,022,031,032,035, 036,042,043,046-049,051,052, 055,056, 501-504,507,508,511-514,517, 518,602,605,606
			Outer Gear Kit 108	Gear 1 006 200 014,017,048,049,057,059,061, 070,071,098,104,111,132-134, 900,903 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
<b>4 2263 1</b> 	Bosch		Outer Gear Kit 108	Gear 1 006 200 014,017,048,049,057,059,061, 070,071,098,104,111,132-134, 900,903 0 001 107 014,016,027-029,041 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
			Outer Gear Kit 108	Gear 1 006 200 014,017,048,049,059,061, 071,098,104,111,134, 900,903 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
<b>4 2273 1</b> 	Bosch		Gear Kit 108	Gear 1 006 200 014,017,048,049,059,061, 071,098,104,111,134, 900,903 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
			Gear Kit 108	Gear 1 006 200 014,017,048,049,059,061, 071,098,104,111,134, 900,903 0 001 108 003,018,021,042,054,057,063-065, 074,078-080,083,087-090,101,102, 106-108,110,112-114,120-124,128, 132,134,139-141,143,148-150,155, 156,160,170,177,995 0 001 111 002 0 001 115 035
<b>4 4601 1</b>	Bosch	1	2 000 301 036 DE	0 001 106 018,020
			1 000 301 056 CE	0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046 047,058,061,062,067,076,083,089,094,095,103-107
		1	1 000 301 054 PG	0 001 108 003,004,018-021,024,025,030,033,035,037-040,042-044, 047,050,053,056,057,059,060,063,064,071,075-079, 081-084,087,088,091-093,096-098,100,106,107,109-111, 117-119,121,146,149,151,152,154,158,166,171,173,180, 182,184,186,189,196,203 0 001 109 001-003,006-008,017,018,028,029,047,049 0 001 110 003-005,007,008,011-013,016-019,024-027,031-033, 047-049,060-063,068-072,079,080,082,084-087,089,091, 092,095,102,111,114,118,119,124,125,999 0 001 111 003,005 0 001 115 001,002,007,012,015,027

REPARATUR- UND BUCHSENSÄTZE  
REPAIR KITS AND BUSHING-KITS

BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4602 1	Bosch	1	1 000 301 012 DE	0 001 107 012,017,018,024,034,037,045,048,054,055,060,068,069, 072-074,090,096
		1	1 000 301 056 CE	0 001 108 001,002,009,010,026-029,048,054,061,062,065,072,073, 080,089,090,101,102,108,126,131,136,137,144,159, 208,209,211,212,225
		1	1 000 301 054 PG	0 001 109 009,012,057,058,202,203 0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120 0 001 111 004 0 001 115 042
4 4603 1	Bosch	1	1 000 301 021 DE	0 001 107 007,008,020,052,053,
		1	1 000 301 056 CE	0 001 108 005,013,032,045,046,066,070,094,095,105,127,135
		1	1 000 301 054 PG	0 001 110 001,002,014,015,057,058,076,077,098,099,133,134
4 4604 1	Bosch	1	9 001 140 384 DE	0 001 107 056,100,101,108
		1	1 000 301 056 CE	0 001 108 115,145,157,168,169,190
		1	1 000 301 054 PG	0 001 109 014,015,023,025,030,031,033-036,040,041,042,045,046, 048,052,055,061-063,068-070,200,201,250,252,253,256, 262-274,284,285,300-303,306,307,313,321,322,332-337, 342-345,355-360,365,366,369-371,375-378,393-396,399, 400-406,409,410 0 001 110 043,044,051,053,054,064,065,088,104,105,110,112,113, 130-132 0 001 111 002 0 001 115 047,048,074,075,080,081 0 001 139 001,002,005,006,011-022,025,026,029,030,037,038, 041-046,049,050,053,054 0 001 149 400,401
4 4606 1	Bosch	1	1 000 917 003 DE	0 001 107 030,059,064,075,078-080,082,088,102
		1	1 000 301 056 CE	0 001 108 068,069,103,104,123,134,148,150,153,160,167,170,172 181,197,199,202,204,205,213,214,217,218,222-224 995-999
		1	1 000 301 054 PG	0 001 115 006,008,020,021,025,039-041,045,046,049-054,056, 057,068-073,076-079,082-085,096-105 0 001 148 003,004
4 4611 1	Bosch	1	2 000 301 036 DE	0 001 106 018,020
		1	1 000 301 056 CE	0 001 107 003-006,009,014-016,021-023,025,026,033,040,044,046 047,058,061,062,067,076,083,089,094,095,103-107,
		1	1 000 301 054 PG	0 001 108 003,004,018-021,024,025,030,033,035,037-040,042-044, 047,050,053,056,057,059,060,063,064,071,075-079, 081-084,087,088,091-093,096-098,100,106,107,109-111, 047-049,056,060-063,068,069,072,082,084-087,089,999 117-119,121,146,149,151,152,154,158,166,171,173,180, 182,184,186,189,196,203
		1	1 000 301 055 Shaft	0 001 109 001-003,006-008,017,028,029,047,049 0 001 110 003-005,007,008,011-013,016-019,024-027,031-033, 047-049,060-063,068-072,079,080,082,084-087,089,091, 092,095,102,111,114,118,119,124,125,999 0 001 111 003,005 0 001 115 001,002,007,012,015,027 same application as 4 4601 1 with additional shaft-bushing
4 4612 1	Bosch	1	1 000 301 012 DE	0 001 107 012,017,018,024,034,037,045,048,054,055,060,068,069, 072-074,090,096
		1	1 000 301 056 CE	0 001 108 001,002,009,010,026-029,048,054,061,062,065,072,073, 080,089,090,101,102,108,126,131,136,137,144,159, 208,209,211,212,225
		1	1 000 301 054 PG	0 001 109 012,057,058,202,203
		1	1 000 301 055 Shaft	0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120 0 001 111 004 0 001 115 042 same application as 4 4602 1 with additional shaft-bushing

REPARATUR- UND BUCHSENSÄTZE  
REPAIR KITS AND BUSHING-KITS

BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4613 1	Bosch	1	1 000 301 021 DE	0 001 107 007,008,020,052,053
		1	1 000 301 056 CE	0 001 108 005,013,032,045,046,066,070,094,095,105,127,135
		1	1 000 301 054 PG	0 001 110 001,002,014,015,057,058,076,077,098,099,133,134
		1	1 000 301 055 Shaft	same application as 4 4603 1 with additional shaft-bushing
4 4616 1	Bosch	1	9 001 140 384 DE	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
		1	9 001 140 347 CE	0 001 219 001,004,007-017,112
		1	4 4052 0 PG	6 033 AB1 J00
		1	4 4057 0 Shaft	9 000 331 201,203 9 000 331 401,402,405-409,411-415,417-428,430,433 same application as 4 4618 1 CE bushing = cylindric bushing
4 4618 1	Bosch	1	9 001 140 384 DE	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
		1	1 000 322 005 CE	0 001 219 001,004,007-017,112
		1	4 4052 0 PG	6 033 AB1 J00
		1	4 4057 0 Shaft	9 000 331 201,203 9 000 331 401,402,405-409,411-415,417-428,430-433 same application as 4 4616 1 CE Bushing = collar bushing
4 4620 1	Bosch	1	1 000 390 003/004 DE	0 001 121 001-003,006-011,016-019,024-031,034,035
		1	1 000 301 056 CE	0 001 123 001
		1	1 000 301 054 PG	0 001 124 001-008,011-015,022,023 0 001 125 001-013,021,022,025,031,032,035,036,039, 040,042,043,051,052, 501-504,507,508,511-514,517,518 602
4 4622 1	Bosch	1	1 000 917 005 DE	0 001 107 070,071
		1	1 000 301 056 CE	0 001 108 113,114,174,175,200,201,220,221
		1	1 000 301 054 PG	0 001 109 011,021,022,026,043,056,059,060,064-067, 204,205,258-261,275,276,280,281, 304,305,310,311,319,320,324,325,328-331, 340,341,361-364,379,380,387-392,397,398, 407,408 0 001 110 029,030,056,066,067,100,101,106,107,122, 123,126-129,136,139 0 001 115 022,023,088,089,092,093 0 001 139 023,024,031,032
4 4623 1	Bosch	1	1 000 917 004 DE	0 001 106 403,404,409,410
		1	1 000 301 091 CE	0 001 107 407,410,417,418,421,422,456,499-502
		1	1 000 301 054 PG	0 001 108 400,405,406,408
4 4624 1	Bosch	1	1 000 917 007 DE	0 001 121 022,023
		1	1 000 301 056 CE	0 001 124 020,021
		1	1 000 301 054 PG	0 001 125 016-019,046-049,053,054, 600,601,605-608
4 4625 1	Bosch	1	1 000 301 012 DE	0 001 114 003,004,015,016
		1	1 000 301 022 IM	
		1	1 000 301 062 CE	
4 4626 1	Bosch	1	1 000 301 021 DE	0 001 114 005,006
		1	1 000 301 022 IM	
		1	1 000 301 062 CE	
4 4627 1	Bosch	1	2 000 301 036 DE	0 001 112 010,011
		1	1 000 301 022 IM	0 001 114 008-010,014,017,020-022
		1	1 000 301 062 CE	
4 4632 1	Bosch	1	1 000 301 021 DE	0 001 112 003,004,038,039
		1	1 000 301 062 CE	0 001 113 011,012



REPARATUR- UND BUCHSENSÄTZE  
REPAIR KITS AND BUSHING-KITS

BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4635 1	Bosch	1 1	1 000 917 004 DE 1 000 301 056 CE	0 001 112 017,018,029,033,037,041 0 001 113 009,010,015,017 F 000 AL0 327
4 4636 1	Bosch	1 1 1	1 000 917 009,010,012 DE 1 000 301 056 CE 1 000 301 054 PG	0 001 121 032,033 0 001 122 201,202 0 001 123 002-005,012-021,024-029,036-039,044,045 0 001 124 026,027 0 001 125 055-060,519-522,609,610,613,614, 125 617-620 0 001 142 001-006 0 001 145 001,002 0 001 153 007-010,013,014
4 4637 1	Bosch	1 1 1	1 000 917 010 DE 1 000 301 091 CE 1 000 301 054 PG	0 001 120 400-411 0 001 121 410,411,422,423,427,428, 0 001 121 439,440,443,444
4 4640 1	Bosch	1 1 1	2 000 301 019 DE 2 000 301 026 IM 2 000 301 019 CE	0 001 362 005-007,011-017,021-025, 033,037 0 001 363 101 JF 12/24 V
4 4641 1	Bosch	1 1 1	2 000 301 019 DE 2 000 301 041 IM 2 000 301 043 CE	0 001 362 034-036,039-043,045,046,048-050, 053,057-062,067,071-076,079,081, 084-086,088-092,094,095,098,100, 102,103,105,305,307,308,311,313, 314,320,322,323,325,326,329,330, 602,603,606,607,700-705 0 001 363 103-105,107-117,122,124-126,128, 130 0 001 366 001-006,009-015,017-022,024,025, 027-029 0 001 367 040,043 0 001 369 014,020 JF 12/24 V
4 4642 1	Bosch	Kit 1 1	1 007 010 144 1 000 917 010 1 000 301 056	0 0152 400,401,410,411 0 001 153 001,002,005,006,015,016 510,511 SF74-E+ 12V(L) SFL74-E+ 12V(L) SFL74-L 12V(L)
4 4643 1	Bosch	Kit 1 1	1 007 010 155 9 001 140 384 1 000 301 056	0 001 139 001,002,005,006,011-022, 025,026,029,030,037,038, 041,042,045,046,049,050, 053,054,067,068,071,072, 408,409 0 001 149 418-421 S78-M 12V(R) SL78-M 12V(R)
4 4644 1	Bosch	Kit 1 1	6 033 AD5 158 w./o. seal ring 6 033 AC5 310 9 003 330 317	0 001 241 001,003,005-009,012, 014-016,019-021,023, 024,119 0 001 261 001-008,012,013,016, 023,025-028,044-047 F 002 G20 786 HEF95-L 24V(R) HXF95-L 24V(R)
4 4679 1	Bosch	1 1	2 000 301 015 DE 2 000 301 016 CE	0 001 410..../411... 0 001 414.... - 417.... KB 24V

# REPARATUR- UND BUCHSENSÄTZE REPAIR KITS AND BUSHING-KITS

# BOSCH

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4680 1	Bosch	1 1	2 000 301 036 DE 1 000 301 011 CE	0 001 208 200-202,206-208,209,211,216,217,224-229,232, 233,400,405,422,423,501,507,510,515-518,526,528, 705,707,717 0 001 211 207,215,229,241,242,246,512,514,535,536 EF 12 V
4 4682 1	Bosch	1 1	2 000 301 023 DE 1 000 301 011 CE	0 001 157 024,025,028 0 001 208 709-711,713,714 0 001 211 500-505,510 0 001 212 205 EB/EF 12 V
4 4683 1	Bosch	1 1 1	2 000 301 000 DE 2 000 301 041 IM 1 900 301 420 CE	0 001 359.... 0 001 360.... JD 12 V / 24 V
4 4684 1	Bosch	1 1 1	2 000 301 000 DE 2 000 301 041 IM 2 000 301 043 CE	0 001 362 051,052,063,064,082,093, 097,104,300-304,306,309, 310,315-319,324,327,328,332 0 001 363 118,121,127 0 001 364 300,301,400,402 0 001 366 008,016,026 0 001 367 001,002,004-018,020-035, 037,039,041,042,044,045, 047-050,052,055,056,058, 059,062,064-082,300-303 0 001 368 001-029,032-035,037-040, 042-052,054-083,085-087, 300-302,304-307,309-313, 315-321 0 001 369 001,002,005,006,013,015-018, 021-023,200,201 JD 24 V JF 12/24 V
4 4686 1	Bosch	1 1 1	1 000 301 021 DE 1 000 301 022 IM 1 000 301 021 CE	0 001 314 012,013 0 001 317 009,010,014,015,018-021 GF 12 V
4 4687 1	Bosch	1 1 1	1 000 301 011 DE 1 000 301 022 IM 1 000 301 001 CE	0 001 311 150 0 001 314 001-006,008-011,017,018,024-033, 035-038,040-043 0 001 315 002,004 0 001 316 003-009 0 001 317 005-008,011-013,016,017,022,023 025
4 4688 1	Bosch	1 1 1	1 000 301 011 DE 2 000 301 026 IM 2 000 301 043 CE	0 001 362 038,047,069,070,077,078,083 600,601,604,605 0 001 363 106,119,120,123 0 001 369 004 JF 12/24 V
4 4689 1	Bosch 2 007 010 121	1 1 1 2	2 000 301 000 DE 2 000 301 041 IM 2 000 301 043 CE 2 000 301 044 SD	same application as 4 4684 1 with 2 additional bushes for starter drive







IKA-No.	Original	Qty.	References	Unit-Nos.
4 4579 1	FBN-14	1	Denso 028403-0082 028403-51011	Daihatsu 28111-87501 28131-87701
	FBN-33	1	949103-3160	Isuzu 9-82114101-0 Mazda 0290-24-841A Mitsubishi MD604062 Subaru 39222-3902 49242-7002 Suzuki 31152-63210 31172-78310 Toyota 28111-51011 90099-10134

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4574 1	FBH-31	1	2114-4661 2114-5661	Nissan 23319-N3300 23338-N3300
	FBH-32	1	2114-5352	
4 4584 1	FBH-32	1	2114-5352	Hitachi S114-850 Opel Astra D Corsa D
	no	1	2114-44101	
	no	1	2114-1353	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4698 1	Lucas	1	54 257 833	M 45 / M 50 / M 127
	60600027 TCB 118	1	54 256 098	
		1	54 255 966	
		1	54 256 151	

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4670 1	Marelli / Fiat	1 1	748 811 10/748 878 90 4 114 442 / 748 603 80	632 207 00,01,02,05,06,21,23,24,31,43 632 208 03,04,06 632 209 00,01,31 E84
4 4671 1	Marelli / Fiat	1 1 1	9 927 787 / 723 625 10 9 927 789 / 723 629 10 9 927 796 / 723 650 10	632 167 01-04,06,08,10,25-27,31,33,40,41,47,48,63 MT67 24V


IKA-No.	Original	Qty.	References	Unit-Nos.	
4 4570 1	FBM-39	1	Melco M409C12970	Nissan	23319-M8011
	FBM-45	1	M409C32401 M409X32571	Mitsubishi	23338-01N10 MD607892 MD618334
4 4581 1	FBM-39	1	Melco M409C12970	Mazda	E356-18-X01
	FBM-38	1	M409C32370	Mitsubishi	E356-18-X81 MD607892 MD607898 MD607903
				Nissan	23319-M8011 23338-M8011

IKA-No.	Original	Qty.	References	Unit-Nos.
	Valeo	2	PS 142	D7R..
		2	PS 144	
	Kit	1	Lever D7R	
	D7R universal	4	Springs D7R	
		4	Spring Caps D7R	
		3	Bushings	
		3	Needle Bearings	
	Valeo	1	PS 148	D6RA... w/o. D6RA8,-10
		1	PS 149	
	Kit	1	Spring PF 4849 (R16)	
	D6RA(4)	1	Brushholder D6RA	
	w. brush holder	4	Bushings	
	and small parts	1	Sundry Parts D6RA 2 2237 0	
		2	Insulations	
	Valeo	1	PS 146	D6RA8,-10
		1	PS 147	
	Kit	1	Spring PF 4647 (R17)	
	D6RA8/10(4)	1	Brushholder D6RA 8/10	
	w. brush holder	4	Bushings	
	and small parts	1	Sundry Parts D6RA 2 2237 0	
		2	Insulations	
	Valeo	1	PS 146	D6RA 8/10 BH
		1	PS 147	
	Kit	1	Brushholder D6RA 8/10	
	D6RA8/10(3)	1	Spring PF 4647	
	w. brush holder	3	Bushings	
		2	Insulations	
		Valeo	1	
		1	1 x PS 149	
Kit		1	1 x Spring PF 4849 (R16)	
D6RA(3)		3	3 x Bushings	
		2	2 x Insulations	
	Valeo	1	PS 146	D6RA 8/10
		1	PS 147	
	Kit	1	Spring PF 4647	
	D6RA8/10(3)	3	Bushings	
		2	Insulations	



# REPARATUR- UND BUCHSENSÄTZE REPAIR KITS AND BUSHING-KITS

# VALEO

IKA-No.	Original	Qty.	References	Unit-Nos.
	Valeo Kit D6RA(3) w. brush holder	1	PS 148	D6RA... w./o. D6RA8,-10
		1	PS 149	
		1	Spring PF 4849	
		1	Brushholder D6RA	
		3	Bushings	
		2	Insulations	
4 4645 1	Valeo	1 1 1	105 464 105 465 105 715	D9R
4 4647 1	Valeo	1 1 2	20/24x5.0 IM 7/10x6.1 DS 185 951 CE/DE	D7R8/9/12
4 4648 1	Valeo	1 1 1 1	20/24x5.0 IM 7/10x6.1 DS 185 936 DE 185 951 CE	D7R5
4 4649 1	Valeo	1 1 1 1	185 951 DE 97.726 CE 20/24x5.0 IM 7/10x6.1 DS	D7R1-4,11,15
4 4650 1	Valeo	1 1 1 1	12/15x10 DE 18/22x 5 IM 6/10-13.7x8 CE 6.1/9.1x 7 DS	D6RA 4 bushes
4 4651 1	Valeo	1 1 1	12/15x10 DE 18/22x 5 IM 6/10-13.7x 8 CE	DR6RA 3 bushes
4 4653 1	Valeo PR 182 140	1 1 1 1	30828 50488 51914 96485	D11E163,164,169,172,173,176,177,178, 187,188,192,272
4 4654 1	Valeo PR 182 158	1 1 1	55330 71381 74330	D13E76,77,86 TE,87 TE,90 TE,93 TE,94 TE, 96 TE,107 TE,109 TE,110 TE,117 TE,118 TE
4 4656 1	Valeo PR 182 142	1 1 1	30828 51914 95654	D11E184,189,191,195,197,198
4 4657 1	Valeo PR 182 139	1 1 1 1	30828 47852 95654 96485	D11E142,143,153,T,154,155,156,158,159,160, 165,167 T,170,180,202
4 4658 1	Valeo PR 182 136	1 1 1 1	30828 47852 48499 50488	D11E58,69,75,78,84,92,T,108,118,119,T,120, 131,137,139,T,141,144,146,148,161,193

IKA-No.	Original	Qty.	References	Unit-Nos.
4 4659 1	Valeo PR 182 096	1 1 1	51914 97726 104164	D10E85,87,88,89,90,92,921
4 4662 1	Valeo PR 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
4 4663 1	Valeo 182 050	1 1	105464 105715	D9R
4 4674 1	Valeo Duc. 583348 Paris Rhone 182063	2	601 476  097 726	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,533003 A,533004 A,534002 A, 534 003 A,B,C - 534057 A D9E31,32,36,38-40,43-46,48-57,61-100,771,772

# 9

VERSCHIEDENE STARTERTEILE

VARIOUS STARTER PARTS

DIVERSES PIECES DE DEMARREURS



















**VERSCHIEDENE STARTERTEILE**  
**VARIOUS STARTER PARTS**

**BOSCH**







IKA-No.	Original	References	Unit-Nos.
4 0736 0	Bosch	Brush Spring Brush-Sets: BSX 166,BSX 175-176 Brush-Holders: 7 7125 1,7 7126 1,7 7131 1	0 001 106 .../107.../121... 0 001 112.../113.../114.../133...
4 0737 0	Bosch	Brush Spring Brush-Sets: BSX 157-158 Brush-Holders: 7 7127 1,7 7129 1,7 7132 1	0 001 109.../110.../123-125...
4 0738 0	Bosch	Brush Spring Brush-Sets: BSX 159-160 Brush-Holders: 7 7124 1,7 7128 1	0 001 108.../111...
4 0739 0	Bosch	2 004 616 007 Brush Spring Brush-Sets: BSX 134-144,BSX 135-145 Brush-Holders: 7 7119 1,7 7120 1	0 001 367.../368.../ 9 000 143... JF 12V 3.0kW - JF 24V 4.0kW
4 0740 0	Bosch	1 004 611 007 Brush Spring Brush-Sets: BSX 146,149,154,156 Brush-Holder: 7 7122 1	0 001 208.../211... 9 000 333 ...
4 0747 0	Bosch	1 004 615 001 Brush Spring Brush-Sets: BSX 151 Brush-Holders: 7 7130 1,7 7133 1	0 001 218... / 9 000 331... EV 12V 2.2kW
4 0748 0	Bosch	2 004 618 004 Brush Spring Brush-Sets: BSX 137-143,138-142,139 Brush-Holders: Brush-Holders: 7 7115 1,7 7116 1	0 001 362.../363.../366... 9 000 143... JF 12V 1.9/2.0/2.2-2.7kW JF 24V 2.6/3.2kW
4 0749 0	Bosch	1 004 611 006 Brush Spring Brush-Sets: BSX 140, BSX 152 Brush-Holders: 7 7121 1	0 001 312 108,109 0 001 317 007-025 GB/GF 12V 1.7kW
4 0750 0	Bosch	6 033 AC0 318 Brush Spring  Brush-Sets: BSX 190-191 BSX 194-195 BSX 216-217 BSX 222-223 BSX 224-225 Brush-Holders: 7 7199 1 7 7210 1 7 7241 1 7 7242 1 7 7243 1 7 7244 1	0 001 230 002-007,009,030 0 001 231 004-007,009,012,013,016,023, 026-030,033-036,038-041,045, 046,119,146 0 001 241 001,008,009,016,019-021,023, 024,119 0 001 260 001 0 001 261 007,008,012 0 001 263 002,010,012,014 EV(R) 12V 3.0 kW EV(R) 24V 4.0kW HE95-M 12/24V (R) HEF95-L 24V (R) 5.5 kW HX95-L 12V (R) 4.0 kW
4 0752 0	Bosch	2 004 616 009 Brush Spring Brush-Sets: BSX 155,163-164,170-171, BSX 198-199 Brush-Holders: 7 7137 1,7 7138 1,7 7400 1	0 001 364.../367.../368.../369.../372... 9 000 143... JD 24V 5.2kW, JE 24V 6.2kW JF 12V 2.5/3.0/3.1kW JF 24V 4.8kW

IKA-No.	Original	References	Unit-Nos.
4 0779 2	Bosch	Screw-Kit JF 4 screws + 4 nuts M5 Brush-Sets: BSX 134-144,135-145, BSX 137-143,138-142, BSX 163-164,170-171, BSX 198-199	0 001 367 .../ 0 001 368 ... 9 000 143 ...
4 0780 2	Bosch	Spring-Kit JF new Screw-Kit JF 4 0779 2 + 4 Springs 4 0752 0 Brush-Sets: BSX 155,163-164,170-171, BSX 198-199	0 001 364 .../ 0 001 367 ... 0 001 368 .../ 0 001 369 ... 0 001 372 .../ 9 000 143 ...
4 0781 2	Bosch	Spring-Kit JF old Screw-Kit JF 4 0779 2 + 4 Springs 4 0739 0 Brush-Sets: BSX 134-144,135-145	0 001 367 .../ 0 001 368 ... 9 000 143 ...
4 1003 0	Bosch	Stop Collar Kit JD/JF	0 001 359.../360.../362.../363.../367... 0 001 368...
4 1004 0	Bosch	Stop Collar-Kit 12mm	PMGR-Starters with 12 mm drive shaft
4 1005 0	Bosch	Stop Collar-Kit 11mm	PMGR-Starters with 11 mm drive shaft
4 3370 0	Bosch	2 000 105 040 Clutch Washer KB	0 001 410 .../ 411 .../ 413 .../ 414 ... 415 .../ 416 .../ 417 .../ 418 ... 9 000 084 ...
			
4 3393 0	Bosch	2 007 011 071 Terminal Kit IE 5.0/6.7 kW	0 001 370 003,004 0 001 371 004-010,012-020
			
4 3394 0	Bosch	Terminal Kit 12 mm KB-Starter	0 001 416 002,038,040, 0 001 416 043,062 0 001 417 001,007,036
			

	IKA-No.	Original	References	Unit-Nos.
	4 3395 0	Bosch	2 007 010 007 Small Parts Kit JD/JF	0 001 354.../359.../360.../362.../363... 0 001 364.../365.../366.../367.../368... 0 001 369...
	4 3396 0	Bosch	Small Parts Kit KB 2 000 105 040 x 1 2 000 109 008 x 2 2 000 210 014 x 1 2 000 212 000 x 1 2 004 650 030 x 1 2 000 500 084 x 2 2 003 315 002 x 1 2 003 450 015 x 4	0 001 410 .../411 .../414 ... 0 001 416 .../417 ...
	4 3397 0	Bosch	2 004 632 026 Terminal Kit 10 mm KB-Starter	0 001 410 088 0 001 411 012,017 0 001 416 004,007,008,027 0 001 417 010,038,041
	4 3490 0	Bosch	Contact set for Relais 0 331 450 001 KB-Starter	0 001 410 ...
	4 3491 0	Bosch	Contact set for Relais 0 331 101 006 KB-Starter	0 001 410 ...
	4 6027 1	Bosch	2 006 401 527  Clutch KB Starter	0 001 410 ...,411 ..., 0 001 413 ...,414 ..., 0 001 415 ...,416 ..., 0 001 417 ...,418 ...







	IKA-No.	Original	References	Unit-Nos.
<b>NEW</b>	<b>4 6099 1</b>	Bosch DAF Scania	6 033 AD5 255 6 033 AD5 139 1604246, 1667205, 1688720, 1739936 1447911	Solenoid-Safety Switch 24V
	<b>4 7148 0</b>	Bosch	2 001 933 175 Lever	0 001 359...,360... 0 001 362...,363... 0 001 364...,365... 0 001 367...,368...,369... 9 000 143...
	<b>4 7149 0</b>	Bosch	1 001 933 106 1 001 933 111 Lever for Gear Starters	0 001 106 ... /107 ... 0 001 108 ... /109 ... 0 001 110 ... /112 ... 0 001 113 ... /114 ...
	<b>7 7050 1</b>	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 92/77 mm	
	<b>7 7051 1</b>	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 105/90 mm	
	<b>7 7052 1</b>	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 105/90 mm	



IKA-No.	Original	References	Unit-Nos.
7 7055 1	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 75/60 mm	
			
7 7056 1	Bosch	Field Coil Connector 6 mm <sup>2</sup> x 45/30 mm	
			
7 7057 1	Bosch	Field Coil Connector 6 mm <sup>2</sup> x 60/45 mm	
			
7 7058 1	Bosch	Field Coil Connector 8 mm <sup>2</sup> x 55/40 mm	
			
7 7060 1	Bosch	Field Coil Connector 16 mm <sup>2</sup> x 90/75 mm insulated w. grommet	0 0001 218...
			
7 7062 1	Bosch	Field Coil Connector 10 mm <sup>2</sup> x 75/60 mm	
			







IKA-No.	Original	References	Unit-Nos.
7 7063 1	Bosch	Field Coil Connector 16 mm <sup>2</sup> x 105/90 mm  fits Field Coil 2 004 114 065,135	0 001 368 001-006,008-014,016, 017,019,022,024,025, 027-029,032-034, 037-040,042,043, 045-052,054-056,058, 059,061,062,067,069, 070,072,074-076, 078-080,082,083, 085-087, 300-303,305,306,309, 311-313,317,318 9 000 143 604













IKA-No.	Original	References	Unit-Nos.	
	4 3473 0	Denso	28017-19502 Contact Kit fixed with M8 stud, copper 2.5mm	028000-5910,-6000,-6260, -6300,-7550,-7790, -8370,-8620,-9270 1.4 kW Gear Reduction Starters
	4 3474 0	Denso	28017-19512 Contact Kit	028000-5581,-5620,-7240 128000-6330 2.4 kW Gear Reduction Starters
	4 3475 0	Denso	Contact Kit	028000-7370, -7372, -7373, -7790 028000-7791, -8320, -8370, -8371 028000-8451, -8760, -8761, -8762 028000-8980, 128000-0040 1.0/ 1.2/ 1.4/ 2.0 kW
	4 3476 0	Denso	Contact Kit fixed with M8 stud, copper 2.5mm	128000-0620,-7140,-9380 228000-0470 1.2/ 1.4/ 2.0 kW
	4 3477 0	Denso	028099-7230, 028099-9130,-9131 Contact Kit	128000-7390,-7500,-7560, -7713,-7714,-8030, -8400,-9310,-9710 1.2/ 1.4 kW
	4 3478 0	Denso	028099-7210 028099-7212 028099-7231 Contact Kit	128000-7002,-7122,-8210, -8310-8312,-8320-8322 1.2/ 1.4 kW

**VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS**

**DENSO**

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>4 3479 0</b>	Denso	028099-7240 028099-7242  Contact Kit	128000-9310, -9880, -9890, 228000-0820, -0830, -0900, -1560, -2500, -3220, -3620, -4970, -5490, -5670, -5680, -6170 1.2/ 1.4 kW
	<b>4 3480 0</b>	Denso	053660-0401, -0402 -7100, -7250 -7260, -7710 Plunger	028000-7370, -7791, -9260
	<b>4 3481 0</b>	Denso	021660-0440 053660-0441, -0442, -0443, -0660, -7111, -7170 Plunger	028000-5510, -6290, -6870
	<b>4 3482 0</b>	Denso	053660-7120, -7121 053680-7120  Plunger	128000-6810, -6811, -6812, -7002, -7120, -7122, -7140, -7500, -7560, -7713, -8210, -8321, -8460, -8470, -8480
	<b>4 3483 0</b>	Denso	053660-7240, -7241  Plunger	228000-2120, -2680, -2690, -2700, -2860, -2980, -2990, -3260, -3840, -3850, -3851
	<b>4 3521 0</b>	Denso	28017-19500  Contact Kit	028000-5120, -6030, -6040, -6700, -6710, -7390, -8180, -9710 128000-0700 1.4 kW Gear Reduction

IKA-No.	Original	References	Unit-Nos.
4 3522 0	Denso	28017-19511 Contact Kit	228000-5641,-7550 2.4 kW Gear Reduction Starters
			
4 3523 0	Denso	028099-2790,-2791 028099-3780,-3781 028099-7100,-7120,-7140 Contact Kit	028000-5300,-5301,-5510, -5511,-5530,-6870 028100-54032 2.5 kW Toyota, Isuzu
			
4 3524 0	Denso	028099-3160 Contact Kit	028000-4800,-5000,-5300, -5301,-5510,-5511, -5530,-5531,-6870 2.5 kW Toyota, Isuzu
			
4 3525 0	Denso	028099-2921,-3010 028099-3020,-3390 028099-3399,-6820 028099-7220 Contact Kit	028000-3641,-3642,-4323, -4343,-4450,-4540, -4940 1.0/ 1.2/ 1.4/ 2.0 kW
			
4 3526 0	Denso	028099-6420 028099-6430-6433 028099-6470 028099-6890 Contact Kit	128000-5730,-5731 5.5 kW 24V
			
4 3527 0	Denso	128099-5240 128099-5241 Contact Kit	128000-0570,-0571,-1590,-1591, -1600,-1601,-1610,-1611, -1661 2.5/ 2.7/ 4.5 kW
			

	IKA-No.	Original	References	Unit-Nos.
	4 3528 0	Denso	028099-7202 028099-7800,-7812  Contact Kit	228000-2120,-2690,-2860, -2990 2.0 kW
	4 3529 0	Denso	028099-3000,-3001 028099-3040,-3041  Contact Kit	028000-4323,-4540,-4940, -5900,-5911,-5912, -6001,-6120,-6361,-6362, -7351,-7410,-7560 1.0 kW
	4 3530 0	Denso	028099-7750-7752 028099-8960,-8961  Contact Kit	028000-7370 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	Denso	028099-2680,2820 028099-3030,-3031,-3860 028099-8672,-8701  Contact Kit	028000-3641,-3642,-4343, -4450,-4990,-5060, -5190,-5390,-7370 1.0/ 1.2/ 1.4/ 2.0 kW
	4 3532 0	Denso	128099-3170  Contact Kit	128000-3080,-3081,-3082, -3512,-3513,-3514, 228000-1671,-5641,-7550 2.5/ 4.5 kW
	4 3533 0	Denso	028099-2690,-2691  Contact Kit	028000-4800,-5000,-5300, -5301,-5570,-5571, -5651,-5652,-5660 2.5/ 4.5 kW

IKA-No.

Original

References

Unit-Nos.

4 3534 0

Denso

028099-6600

128000-3380, -3381, -3420

Contact Kit







IKA-No.	Original	References	Unit-Nos.
4 0751 0	Remy	Brush Spring RF 120	all types Delco Europe for Opel
4 7161 0	Remy	DR 1901 Lever	3471141,143,144,150,152 Opel, Vauxhall





**VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS**

**VALEO**

	<b>IKA-No.</b>	<b>Original</b>	<b>References</b>	<b>Unit-Nos.</b>
	<b>4 0774 2</b>	Valeo	Spring-Kit D7R Brush Holder 7 7157 1	D7R all units
	<b>4 0775 2</b>	Valeo	Spring-Kit PSX 146-147 Brush Holder 7 7151 1	D6RA 8, 10
	<b>4 0776 2</b>	Valeo	Spring-Kit PSX 148-149 Brush Holder 7 7151 1	D6RA all units w. exception of D6RA8/10 see 4 0775 2
	<b>4 0778 2</b>	Valeo	Spring-Kit PSX 129 Brush Holder 7 7152 1	D9E 4-Brushes version
	<b>4 1000 0</b>	Valeo	Stop Collar Kit 073294	D9R...
	<b>4 1001 0</b>	Valeo	Stop Collar Kit 594084	D6RA...
	<b>4 1002 0</b>	Valeo	Stop Collar Kit 097804	D9E...
	<b>4 3836 1</b>	Valeo	594528, 594530 Armature 7 teeth	D6RA67,76-81,91,100,101,104 105,107-110,115,167,180, 181
	<b>4 3838 1</b>	Valeo	594529, 594531 Armature 8 teeth	D6RA45,50-57,60,63,64,66,70, D6RA72,74,75,83-85,87,137,138, D6RA141,161,168,185,187,188, D6RA210,511,571,572,661,721 D6RAD183
	<b>4 3839 1</b>	Valeo	594526 Armature 13 teeth	D6RA5-8,10-13,15-23,25-30, D6RA32-34,37-44,46-49,59, D6RA61,62,65,68,73,82, D6RA133,162,165,249

VERSCHIEDENE STARTERTEILE  
VARIOUS STARTER PARTS

VALEO

IKA-No.	Original	References	Unit-Nos.
4 3840 0	Valeo	594534,594535 Field Case complete with Magnets	D6RA10,12,13, D6RA100,101,104,105,107-110,115 D6RA SH clockwise rotation
			
4 3841 0	Valeo	Support for Magnets	D6RA
			
4 3842 0	Valeo	Magnet North	D6RA
4 3843 0	Valeo	Magnet South	D6RA
4 3844 0	Valeo	Field Case	D6RA SIH anticlock rotation
			
4 7154 0	Valeo	Lever	D7R..
			
4 7155 0	Valeo	Lever	D9E...,D9R..
			

IKA-No.	Original	References	Unit-Nos.
---------	----------	------------	-----------

---

4 7156 0	Valeo	Lever	D6RA
----------	-------	-------	------

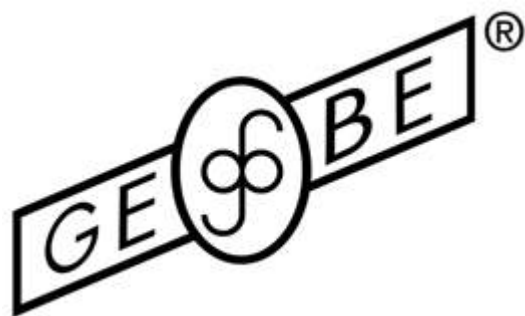


---

7 7070 1	Valeo	Field Coil Grommet	D7E ...
----------	-------	--------------------	---------

fits Brush Holders  
7 7159 1 , 7 7165 1







# 10

ABMESSUNGEN

SURVEY

CLASSEMENT PAR ALESAGES



# 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	<b>4 4507 0</b>	VALEO	12.00 / 14.00	x	16.00	<b>4 4453 0</b>	mitsubishi
05.00 / 09.00	x	07.00	<b>4 4508 0</b>	VALEO	12.00 / 14.00	x	20.00	<b>4 4380 0</b>	PARIS-RHONE
06.00 / 09.00	x	07.00	<b>4 4504 0</b>	VALEO	12.00 / 14.00	x	20.00	<b>4 4380 0</b>	mitsubishi
06.00 / 10.00-13.70	x	08.00	<b>4 4503 0</b>	VALEO	12.00 / 15.00	x	08.00	<b>4 4418 0</b>	LUCAS
06.90 / 09.45-13.00	x	09.25	<b>4 4509 0</b>	DENSO	12.00 / 15.00	x	10.00	<b>4 4501 0</b>	VALEO
07.00 / 10.00	x	06.10	<b>4 4506 0</b>	VALEO	12.00 / 15.00	x	12.00	<b>4 4264 0</b>	ISKRA
07.00 / 11.90	x	10.00	<b>4 4273 0</b>	FORD	12.00 / 15.00	x	12.00	<b>4 4264 0</b>	LUCAS
07.05 / 09.40	x	08.25	<b>4 4510 0</b>	DENSO	12.00 / 15.00	x	15.00	<b>4 4265 0</b>	LADA
08.00 / 11.50-14.50	x	10.00	<b>4 4316 0</b>	FIAT / MARELLI	12.00 / 15.00	x	16.70	<b>4 4400 0</b>	LUCAS
08.00 / 12.00	x	09.60	<b>4 4312 0</b>	FIAT / MARELLI	12.00 / 15.05-18.00	x	16.00	<b>4 4350 0</b>	PARIS-RHONE
08.06 / 11.12	x	08.00	<b>4 4054 0</b>	BOSCH	12.00 / 16.00	x	09.50	<b>4 4465 0</b>	mitsubishi
08.06 / 11.12	x	08.00	<b>4 4054 0</b>	VALEO	12.00 / 16.00	x	12.00	<b>4 4311 0</b>	FIAT / MARELLI
08.06 / 11.12	x	10.00	<b>4 4052 0</b>	BOSCH	12.00 / 16.00	x	14.00	<b>4 4300 0</b>	FEMSA
08.10 / 11.50	x	11.60	<b>4 4452 0</b>	mitsubishi	12.00 / 16.00	x	14.00	<b>4 4300 0</b>	FIAT / MARELLI
08.10 / 12.45	x	10.00	<b>4 4272 0</b>	FORD	12.00 / 16.00	x	16.00	<b>4 4304 0</b>	FEMSA
10.00 / 13.00	x	12.00	<b>4 4257 0</b>	DUCELLIER	12.00 / 16.00	x	16.00	<b>4 4304 0</b>	FIAT / MARELLI
10.00 / 13.00	x	13.00	<b>4 4371 0</b>	PARIS-RHONE	12.00 / 16.00	x	16.00	<b>4 4304 0</b>	LADA
10.00 / 13.00	x	16.00	<b>4 4372 0</b>	PARIS-RHONE	12.00 / 16.00	x	16.00	<b>4 4304 0</b>	ISKRA
10.00 / 13.00-16.00	x	10.50	<b>4 4484 0</b>	mitsubishi	12.00 / 16.00	x	24.00	<b>4 4305 0</b>	FEMSA
10.00 / 14.00	x	09.50	<b>4 4470 0</b>	mitsubishi	12.00 / 16.00	x	24.00	<b>4 4305 0</b>	LADA
10.00 / 14.00	x	13.50	<b>4 4464 0</b>	mitsubishi	12.00 / 16.00	x	24.50	<b>4 4305 0</b>	FIAT / MARELLI
10.00 / 14.00	x	13.50	<b>4 4302 0</b>	FIAT / MARELLI	12.05 / 14.05	x	14.00	<b>4 4204 0</b>	DELCO
10.00 / 14.00	x	13.50	<b>4 4302 0</b>	ISKRA	12.05 / 15.05	x	12.00	<b>4 4264 0</b>	DUCELLIER
10.00 / 14.00	x	13.50	<b>4 4302 0</b>	PAL MAGNETON	12.05 / 15.05	x	12.00	<b>4 4264 0</b>	PARIS-RHONE
10.00 / 14.00	x	15.00	<b>4 4301 0</b>	FIAT / MARELLI	12.05 / 15.05	x	12.00	<b>4 4264 0</b>	ROMANIAN
10.00 / 14.00	x	15.00	<b>4 4248 0</b>	PAL MAGNETON	12.05 / 15.05	x	15.00	<b>4 4063 0</b>	BOSCH
10.00 / 14.00-16.00	x	13.00	<b>4 4280 0</b>	FEMSA	12.05 / 15.05	x	15.00	<b>4 4265 0</b>	DUCELLIER
10.00 / 16.10	x	10.00	<b>4 4093 0</b>	BOSCH	12.05 / 15.05	x	15.00	<b>4 4265 0</b>	PARIS-RHONE
10.06 / 14.10	x	10.00	<b>4 4056 0</b>	BOSCH	12.05 / 15.05	x	15.00	<b>4 4265 0</b>	ROMANIAN
10.06 / 14.10	x	10.00	<b>4 4056 0</b>	VALEO	12.05 / 15.55	x	05.50	<b>4 4485 0</b>	HITACHI
10.06 / 16.60	x	10.50	<b>4 4061 0</b>	BOSCH	12.06 / 16.12	x	14.00	<b>4 4012 0</b>	BOSCH
10.06 / 16.60	x	11.50	<b>4 4077 0</b>	BOSCH	12.06 / 16.12	x	16.00	<b>4 4011 0</b>	BOSCH
10.06 / 16.60	x	11.50	<b>4 4077 0</b>	FIAT / MARELLI	12.10 / 13.62	x	11.50	<b>4 4009 0</b>	BOSCH
10.06 / 16.60-19.00	x	14.80	<b>4 4005 0</b>	BOSCH	12.10 / 13.62	x	13.50	<b>4 4053 0</b>	BOSCH
10.07 / 14.10	x	13.00	<b>4 4113 0</b>	BOSCH	12.10 / 13.62	x	18.80	<b>4 4066 0</b>	BOSCH
11.00 / 15.00	x	15.00	<b>4 4459 0</b>	HITACHI	12.10 / 14.12	x	12.00	<b>4 4123 0</b>	BOSCH
11.00 / 13.00	x	13.00	<b>4 4456 0</b>	mitsubishi	12.10 / 14.12	x	13.00	<b>4 4123 0</b>	BOSCH
11.00 / 13.50	x	09.00	<b>4 4072 0</b>	BOSCH	12.10 / 14.12	x	14.00	<b>4 4136 0</b>	BOSCH
11.00 / 14.00	x	13.00	<b>4 4458 0</b>	mitsubishi	12.16 / 14.10	x	18.00	<b>4 4314 0</b>	FIAT / MARELLI
11.06 / 13.63	x	14.00	<b>4 4021 0</b>	BOSCH	12.50 / 14.70	x	14.00	<b>4 4457 0</b>	DENSO
11.10 / 12.62	x	10.50	<b>4 4122 0</b>	BOSCH	12.50 / 15.50	x	10.50	<b>4 4462 0</b>	DENSO
11.10 / 12.62	x	11.50	<b>4 4032 0</b>	BOSCH	12.50 / 16.00	x	12.00	<b>4 4454 0</b>	HITACHI
11.50 / 15.00	x	13.00/14.00	<b>4 4466 0</b>	HITACHI	12.50 / 16.00	x	12.00	<b>4 4454 0</b>	PAL MAGNETON
11.60 / 14.08	x	13.00	<b>4 4426 0</b>	ISKRA	12.50 / 16.00	x	15.00	<b>4 4455 0</b>	HITACHI
					12.50 / 16.50	x	10.50	<b>4 4461 0</b>	DENSO
					12.56 / 16.60	x	08.00	<b>4 4071 0</b>	BOSCH
					12.56 / 16.60	x	10.00	<b>4 4062 0</b>	BOSCH
					12.56 / 16.60	x	11.50	<b>4 4004 0</b>	BOSCH
					12.56 / 16.60	x	14.00	<b>4 4002 0</b>	BOSCH
					12.56 / 16.60	x	14.00	<b>4 4247 0</b>	PAL MAGNETON
					12.56 / 16.60	x	15.80	<b>4 4000 0</b>	BOSCH
					12.56 / 16.60	x	18.00	<b>4 4103 0</b>	BOSCH
					12.57 / 18.54	x	19.80	<b>4 4306 0</b>	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	<b>4 4417 0</b>	LUCAS	18.00 / 22.00	x	05.00	<b>4 4502 0</b>	VALEO
12.70 / 15.90	x	16.50	<b>4 4412 0</b>	LUCAS	18.03 / 22.12	x	06.50	<b>4 4057 0</b>	BOSCH
12.80 / 15.90	x	14.00	<b>4 4414 0</b>	LUCAS	18.03 / 22.12	x	08.00	<b>4 4055 0</b>	BOSCH
12.80 / 19.10	x	14.00	<b>4 4411 0</b>	LUCAS	18.10 / 22.04	x	06.80	<b>4 4443 0</b>	HITACHI
13.00 / 15.00	x	12.00	<b>4 4263 0</b>	DUCELLIER	18.10 / 23.00	x	08.00	<b>4 4313 0</b>	FIAT / MARELLI
13.00 / 15.00	x	14.50	<b>4 4253 0</b>	DUCELLIER	18.17 / 23.05	x	09.20	<b>4 4318 0</b>	FIAT / MARELLI
14.00 / 18.00	x	15.00	<b>4 4351 0</b>	FEMSA	19.00 / 20.60	x	17.80	<b>4 4403 0</b>	LUCAS
14.00 / 18.00	x	16.00	<b>4 4351 0</b>	DUCELLIER	19.06 / 22.53	x	13.90	<b>4 4241 0</b>	PAL MAGNETON
14.00 / 18.00	x	16.00	<b>4 4351 0</b>	ROMANIAN	19.09 / 23.10	x	10.00	<b>4 4126 0</b>	BOSCH
14.00 / 18.00	x	16.00	<b>4 4351 0</b>	PARIS-RHONE	19.09 / 23.10	x	13.00	<b>4 4141 0</b>	BOSCH
14.00 / 18.00	x	18.00	<b>4 4353 0</b>	DUCELLIER	19.09 / 25.10	x	10.00	<b>4 4102 0</b>	BOSCH
14.00 / 18.00	x	18.00	<b>4 4472 0</b>	HITACHI	19.20 / 31.80	x	10.20	<b>4 4205 0</b>	DELCO
14.00 / 18.00	x	18.00	<b>4 4353 0</b>	PARIS-RHONE	20.00 / 24.00	x	05.00	<b>4 4505 0</b>	VALEO
14.00 / 18.00	x	20.00	<b>4 4354 0</b>	DUCELLIER	20.00 / 24.00	x	12.00	<b>4 4352 0</b>	PARIS-RHONE
14.00 / 18.00	x	20.00	<b>4 4354 0</b>	FIAT / MARELLI	20.00 / 24.00	x	16.00	<b>4 4363 0</b>	PARIS-RHONE
14.00 / 18.00	x	20.00	<b>4 4471 0</b>	HITACHI	20.27 / 24.00	x	13.09	<b>4 4308 0</b>	FIAT / MARELLI
14.00 / 18.00	x	20.00	<b>4 4354 0</b>	PARIS-RHONE	20.40 / 26.50	x	12.50	<b>4 4463 0</b>	HITACHI
14.00 / 20.00	x	10.00	<b>4 4080 0</b>	BOSCH	21.03 / 24.67	x	25.90	<b>4 4245 0</b>	PAL MAGNETON
14.06 / 18.10	x	14.00	<b>4 4142 0</b>	BOSCH	21.30 / 24.40	x	25.00	<b>4 4202 0</b>	DELCO
14.06 / 20.03	x	17.00	<b>4 4137 0</b>	BOSCH	22.04 / 26.03	x	27.40	<b>4 4242 0</b>	PAL MAGNETON
14.10 / 20.00	x	11.80	<b>4 4307 0</b>	FIAT / MARELLI	22.05 / 26.05	x	05.20	<b>4 4444 0</b>	HITACHI
14.30 / 16.00	x	39.80	<b>4 4001 0</b>	BOSCH	22.14 / 28.10	x	11.30	<b>4 4116 0</b>	BOSCH
14.36 / 16.04	x	10.00	<b>4 4023 0</b>	BOSCH	23.04 / 27.03	x	19.80	<b>4 4244 0</b>	PAL MAGNETON
14.36 / 16.04	x	11.70	<b>4 4131 0</b>	BOSCH	25.00 / 32.00	x	17.90	<b>4 4081 0</b>	BOSCH
14.36 / 16.04	x	20.50	<b>4 4144 0</b>	BOSCH	26.12 / 30.13-33.00	x	11.50	<b>4 4013 0</b>	BOSCH
14.36 / 16.04	x	23.50	<b>4 4106 0</b>	BOSCH	27.00 / 35.00	x	14.00	<b>4 4364 0</b>	PARIS-RHONE
14.40 / 17.50	x	22.20	<b>4 4415 0</b>	LUCAS	28.50 / 32.30	x	11.00	<b>4 4082 0</b>	BOSCH
14.54 / 18.03	x	14.80	<b>4 4240 0</b>	PAL MAGNETON	28.50 / 32.30	x	11.00	<b>4 4083 0</b>	BOSCH
14.54 / 18.03	x	16.80	<b>4 4243 0</b>	PAL MAGNETON	28.60 / 31.80-38.10	x	13.00	<b>4 4410 0</b>	LUCAS
15.07 / 18.10	x	11.80	<b>4 4315 0</b>	FIAT / MARELLI	34.50 / 44.00	x	42.50	<b>4 4199 0</b>	BOSCH
15.95 / 19.15	x	14.00	<b>4 4259 0</b>	DUCELLIER	40.00 / 48.00	x	10.50	<b>4 4115 0</b>	BOSCH
15.95 / 19.15	x	14.00	<b>4 4259 0</b>	PARIS-RHONE					
16.00 / 19.20	x	22.00	<b>4 4201 0</b>	DELCO					
16.00 / 20.00	x	08.00	<b>4 4368 0</b>	PARIS-RHONE					
16.00 / 20.00	x	10.00	<b>4 4355 0</b>	PARIS-RHONE					
16.00 / 20.00	x	25.00	<b>4 4369 0</b>	PARIS-RHONE					
16.20 / 19.15	x	15.00	<b>4 4260 0</b>	DUCELLIER					
16.67 / 19.60	x	19.00	<b>4 4104 0</b>	BOSCH					
17.00 / 21.00	x	24.00	<b>4 4361 0</b>	PARIS-RHONE					
17.10 / 21.00	x	22.20	<b>4 4409 0</b>	LUCAS					
17.61 / 21.62	x	09.50	<b>4 4022 0</b>	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	<b>8 2269 0</b>	26.10 / 33.00	x 13.70	<b>8 8677 0</b>	VALEO
05.00 / 08.52	x 06.86	<b>8 4209 0</b>	28.00 / 35.20	x 14.62	<b>8 4090 0</b>	BOSCH
05.00 / 09.00	x 09.00	<b>8 2260 0</b>	31.00 / 37.00	x 16.00	<b>8 4094 0</b>	BOSCH
05.00 / 09.00	x 09.00	<b>8 2260 0</b>	33.00 / 48.00	x 15.00	<b>8 8693 0</b>	BOSCH
06.00 / 10.00	x 08.00	<b>8 2256 0</b>				
06.00 / 10.00	x 08.00	<b>8 2256 0</b>				
06.00 / 10.00	x 08.00	<b>8 2256 0</b>				
06.00 / 10.00	x 09.00	<b>8 2258 0</b>				
06.00 / 10.00	x 09.00	<b>8 2258 0</b>				
08.00 / 12.00	x 08.00	<b>8 8674 0</b>				
08.00 / 12.00	x 08.00	<b>8 8673 0</b>				
08.00 / 12.00	x 08.00	<b>8 8673 0</b>				
09.00 / 13.00	x 10.00	<b>8 8675 0</b>				
10.00 / 14.00	x 10.00	<b>8 4096 0</b>				
10.00 / 14.00	x 10.00	<b>8 4096 0</b>				
10.00 / 14.00	x 10.00	<b>8 4096 0</b>				
10.00 / 14.00	x 12.00	<b>8 8668 0</b>				
10.00 / 14.00	x 14.00	<b>8 4097 0</b>				
10.00 / 15.00	x 15.00	<b>8 8314 0</b>				
10.00 / 15.00	x 15.40	<b>8 4210 0</b>				
10.00 / 17.00	x 12.00	<b>8 4091 0</b>				
11.50 / 17.50	x 16.50	<b>8 8684 0</b>				
12.00 / 16.00	x 10.00	<b>8 4079 0</b>				
12.00 / 16.00	x 10.00	<b>8 4079 0</b>				
12.00 / 16.00	x 10.00	<b>8 4079 0</b>				
12.00 / 16.00	x 10.00	<b>8 4079 0</b>				
12.00 / 16.00	x 10.00	<b>8 4079 0</b>				
12.00 / 16.00	x 10.00	<b>8 4079 0</b>				
12.00 / 16.00	x 14.00	<b>8 4095 0</b>				
12.00 / 17.00	x 12.00	<b>8 8305 0</b>				
12.00 / 18.00	x 12.00	<b>8 8981 0</b>				
12.00 / 18.00	x 14.00	<b>8 4098 0</b>				
12.00 / 18.00	x 16.00	<b>8 4099 0</b>				
12.00 / 18.00	x 16.00	<b>8 4099 0</b>				
12.50 / 17.00	x 17.00	<b>8 8315 0</b>				
14.00 / 19.00	x 12.00	<b>8 8161 0</b>				
14.00 / 20.00	x 14.00	<b>8 8982 0</b>				
14.29 / 19.05	x 12.70	<b>8 4208 0</b>				
15.00 / 21.00	x 12.00	<b>8 8829 0</b>				
15.87 / 23.81	x 21.90	<b>8 4092 0</b>				
16.00 / 20.70	x 19.00	<b>8 8664 0</b>				
16.00 / 23.85	x 18.95	<b>8 8663 0</b>				
17.00 / 23.80	x 17.40	<b>8 8200 0</b>				
17.00 / 23.80	x 17.40	<b>8 8200 0</b>				
17.00 / 23.80	x 17.40	<b>8 8200 0</b>				
17.00 / 23.80	x 17.40	<b>8 8277 0</b>				
17.00 / 23.80	x 31.80	<b>8 4207 0</b>				
17.46 / 22.23	x 09.50	<b>8 8681 0</b>				
17.46 / 22.23	x 09.50	<b>8 8681 0</b>				
18.00 / 24.00	x 12.00	<b>8 8118 0</b>				
18.00 / 24.00	x 12.00	<b>8 8118 0</b>				
18.00 / 24.00	x 16.00	<b>8 8983 0</b>				
19.05 / 25.40	x 15.88	<b>8 8275 0</b>				
20.00 / 26.00	x 12.00	<b>8 8986 0</b>				
20.50 / 27.00	x 09.50	<b>8 8160 0</b>				
22.00 / 28.00	x 12.00	<b>8 8671 0</b>				
22.00 / 28.00	x 16.00	<b>8 8665 0</b>				



# 11

## VERGLEICHSLISTE

## CROSS REFERENCE LIST

## LISTE DE CORRESPONDANCE ENTRE LES REFERENCES

<b>BOSCH</b>	297-310	<b>LUCAS</b>	331-333
<b>CARGO</b>	310-319	<b>LUK</b>	333
<b>DENSO</b>	319-320	<b>MARELLI / FIAT</b>	333-334
<b>EURO REF.</b>	321-322	<b>MELCO</b>	334-336
<b>FCC</b>	323	<b>MONARK</b>	336-337
<b>FORD-VISTEON</b>	323	<b>PAL / MAGNETON</b>	337
<b>FUJI</b>	323-326	<b>REMY</b>	337
<b>GHIBAUDI</b>	326-328	<b>VALEO</b>	337-340
<b>HITACHI</b>	328-329	<b>ZM</b>	340-341
<b>INA</b>	329-330	<b>IKA vs. EURO REF.</b>	342-344
<b>ISKRA</b>	330		
<b>LCL</b>	330-331		



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
0 122 1AA 8F0	4 0736 0	273	0 331 400 016	4 6112 9	186	0 331 402 039	4 6123 9	187
0 331 101 005	4 3471 0	185	0 331 400 017	4 6112 9	186	0 331 402 039	4 6148 9	189
0 331 101 006	4 6054 1	185	0 331 400 022	4 6112 9	186	0 331 402 042	4 6208 9	193
0 331 302 011	4 6145 9	188	0 331 400 023	4 6107 9	185	0 331 402 051	4 6206 9	193
0 331 302 040	4 6210 9	193	0 331 400 068	4 6140 9	188	0 331 402 053	4 6206 9	193
0 331 302 047	4 6145 9	188	0 331 401 001	4 6107 9	185	0 331 402 054	4 6206 9	193
0 331 302 052	4 6145 9	188	0 331 401 003	4 6107 9	185	0 331 402 068	4 6208 9	193
0 331 302 064	4 6210 9	193	0 331 401 004	4 6107 9	185	0 331 402 070	4 6208 9	193
0 331 302 075	4 6145 9	188	0 331 401 007	4 6112 9	186	0 331 402 073	4 6107 9	185
0 331 302 540	4 6210 9	193	0 331 401 008	4 6106 9	185	0 331 402 074	4 6107 9	185
0 331 303 003	4 6212 9	194	0 331 401 008	4 6186 9	191	0 331 402 076	4 6112 9	186
0 331 303 005	4 6109 9	186	0 331 401 009	4 6106 9	185	0 331 402 077	4 6106 9	185
0 331 303 006	4 6108 9	186	0 331 401 009	4 6147 9	189	0 331 402 087	4 6123 9	187
0 331 303 007	4 6212 9	194	0 331 401 012	4 6107 9	185	0 331 402 087	4 6148 9	189
0 331 303 008	4 6211 9	193	0 331 401 015	4 6140 9	188	0 331 402 089	4 6181 9	191
0 331 303 010	4 6212 9	194	0 331 401 029	4 6107 9	185	0 331 402 094	4 6206 9	193
0 331 303 012	4 6215 9	194	0 331 401 040	4 6148 9	189	0 331 402 205	4 6123 9	187
0 331 303 015	4 6212 9	194	0 331 401 040	4 6123 9	187	0 331 402 205	4 6148 9	189
0 331 303 016	4 6109 9	186	0 331 401 046	4 6107 9	185	0 331 402 206	4 6206 9	193
0 331 303 021	4 6215 9	194	0 331 401 051	4 6107 9	185	0 331 402 207	4 6141 9	188
0 331 303 026	4 6108 9	186	0 331 401 501	4 6107 9	185	0 331 402 209	4 6208 9	193
0 331 303 028	4 6109 9	186	0 331 401 503	4 6107 9	185	0 331 402 501	4 6123 9	187
0 331 303 031	4 6109 9	186	0 331 401 504	4 6107 9	185	0 331 402 501	4 6148 9	189
0 331 303 033	4 6211 9	193	0 331 401 507	4 6112 9	186	0 331 402 502	4 6221 9	195
0 331 303 035	4 6216 9	194	0 331 401 508	4 6186 9	191	0 331 402 502	4 6133 9	188
0 331 303 040	4 6212 9	194	0 331 401 509	4 6147 9	189	0 331 402 503	4 6133 9	188
0 331 303 048	4 6185 9	191	0 331 402 001	4 6123 9	187	0 331 402 503	4 6221 9	195
0 331 303 053	4 6216 9	194	0 331 402 001	4 6148 9	189	0 331 402 504	4 6148 9	189
0 331 303 055	4 6217 9	194	0 331 402 002	4 6221 9	195	0 331 402 504	4 6123 9	187
0 331 303 056	4 6217 9	194	0 331 402 002	4 6133 9	188	0 331 402 508	4 6214 9	194
0 331 303 057	4 6128 9	188	0 331 402 003	4 6133 9	188	0 331 402 515	4 6113 9	186
0 331 303 061	4 6185 9	191	0 331 402 003	4 6221 9	195	0 331 402 519	4 6123 9	187
0 331 303 074	4 6211 9	193	0 331 402 004	4 6132 9	188	0 331 402 519	4 6148 9	189
0 331 303 076	4 6217 9	194	0 331 402 006	4 6208 9	193	0 331 402 530	4 6148 9	189
0 331 303 104	4 6128 9	188	0 331 402 008	4 6214 9	194	0 331 402 535	4 6123 9	187
0 331 303 132	4 6217 9	194	0 331 402 010	4 6207 9	193	0 331 402 539	4 6123 9	187
0 331 303 140	4 6218 9	194	0 331 402 012	4 6141 9	188	0 331 402 539	4 6148 9	189
0 331 303 147	4 6116 9	186	0 331 402 015	4 6113 9	186	0 331 402 568	4 6208 9	193
0 331 303 165	4 6190 9	192	0 331 402 016	4 6132 9	188	0 331 402 570	4 6208 9	193
0 331 303 503	4 6212 9	194	0 331 402 019	4 6148 9	189	0 331 402 706	4 6206 9	193
0 331 303 506	4 6108 9	186	0 331 402 019	4 6123 9	187	0 331 450 001	4 6035 1	185
0 331 303 640	4 6218 9	194	0 331 402 030	4 6123 9	187	0 331 450 002	4 3470 0	185
0 331 400 001	4 6146 9	189	0 331 402 030	4 6148 9	189	0 399 D53 002	4 5105 1	154
0 331 400 008	4 6140 9	188	0 331 402 035	4 6148 9	189	0 399 D77 003	7 7206 1	81
0 331 400 014	4 6112 9	186	0 331 402 035	4 6123 9	187	0 399 D77 008	7 7234 1	84

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
0 399 D77 021	7 7523 1	94	1 000 301 082	4 4066 0	230	1 004 336 130	7 7124 1	76
0 399 D77 052	7 7550 1	102	1 000 301 083	4 4056 0	230	1 004 336 132	7 7124 1	76
0 399 D77 054	7 7549 1	101	1 000 301 093	4 4001 0	229	1 004 336 136	7 7814 1	113
0 399 D77 055	7 7550 1	102	1 000 301 106	4 4009 0	229	1 004 336 139	7 7129 1	77
0 399 D77 098	7 7550 1	102	1 000 301 120	4 4009 0	229	1 004 336 146	7 7812 1	112
0 399 D77 102	7 7547 1	100	1 000 322 005	4 4005 0	229	1 004 336 146	7 7124 1	76
0 399 D77 108	7 7552 1	103	1 000 390 001	4 4082 0	230	1 004 336 147	7 7813 1	113
0 952 236 000	4 5040 1	150	1 000 390 003	4 4082 0	230	1 004 336 155	7 7127 1	77
086 264 492	4 5005 1	146	1 000 390 004	4 4085 0	230	1 004 336 156	7 7127 1	77
1 000 290 014	4 2222 0	218	1 000 500 591	4 2238 1	258	1 004 336 162	7 7812 1	112
1 000 290 020	4 2222 0	218	1 000 917 001	8 2256 0	245	1 004 336 162	7 7124 1	76
1 000 301 000	4 4000 0	229	1 000 917 002	8 2258 0	245	1 004 336 217	7 7125 1	77
1 000 301 001	4 4004 0	229	1 000 917 003	8 4096 0	248	1 004 336 219	7 7806 1	112
1 000 301 002	4 4002 0	229	1 000 917 004	8 4097 0	248	1 004 336 239	7 7803 1	110
1 000 301 008	4 4123 0	231	1 000 917 005	8 4095 0	247	1 004 336 239	7 7805 1	111
1 000 301 009	4 4009 0	229	1 000 917 006	8 8675 0	252	1 004 336 257	7 7838 1	116
1 000 301 011	4 4011 0	229	1 000 917 007	8 4094 0	247	1 004 336 257	7 7127 1	77
1 000 301 012	4 4012 0	229	1 000 917 008	8 4209 0	249	1 004 336 272	7 7203 1	80
1 000 301 013	4 4013 0	229	1 000 917 009	8 4090 0	247	1 004 336 279	7 7833 1	114
1 000 301 019	4 4131 0	231	1 000 917 010	8 4090 0	247	1 004 336 300	7 7124 1	76
1 000 301 021	4 4021 0	229	1 000 917 012	8 4090 0	247	1 004 336 300	7 7812 1	112
1 000 301 022	4 4022 0	229	1 000 917 020	8 4078 0	246	1 004 336 301	7 7836 1	115
1 000 301 023	4 4023 0	229	1 001 329 900	7 7114 1	75	1 004 336 302	7 7125 1	77
1 000 301 026	4 4053 0	229	1 001 933 106	4 7149 0	276	1 004 336 309	7 7131 1	78
1 000 301 031	4 4009 0	229	1 001 933 111	4 7149 0	276	1 004 336 309	7 7805 1	111
1 000 301 032	4 4032 0	229	1 004 336 009	7 7117 1	75	1 004 336 314	7 7803 1	110
1 000 301 034	4 4004 0	229	1 004 336 016	7 7117 1	75	1 004 336 318	7 7812 1	112
1 000 301 042	4 4000 0	229	1 004 336 025	7 7114 1	75	1 004 336 318	7 7124 1	76
1 000 301 046	4 4004 0	229	1 004 336 027	7 7117 1	75	1 004 336 320	7 7805 1	111
1 000 301 047	4 4002 0	229	1 004 336 028	7 7114 1	75	1 004 336 320	7 7803 1	110
1 000 301 053	4 4053 0	229	1 004 336 029	7 7114 1	75	1 004 336 321	7 7803 1	110
1 000 301 054	4 4054 0	229	1 004 336 033	7 7117 1	75	1 004 336 326	7 7806 1	112
1 000 301 055	4 4055 0	230	1 004 336 036	7 7117 1	75	1 004 336 332	7 7131 1	78
1 000 301 056	4 4056 0	230	1 004 336 039	7 7117 1	75	1 004 336 332	7 7805 1	111
1 000 301 061	4 4061 0	230	1 004 336 040	7 7117 1	75	1 004 336 337	7 7811 1	112
1 000 301 062	4 4062 0	230	1 004 336 043	7 7117 1	75	1 004 336 338	7 7804 1	111
1 000 301 063	4 4063 0	230	1 004 336 046	7 7117 1	75	1 004 336 343	7 7811 1	112
1 000 301 066	4 4009 0	229	1 004 336 055	7 7114 1	75	1 004 336 346	7 7124 1	76
1 000 301 070	4 4054 0	229	1 004 336 057	7 7117 1	75	1 004 336 346	7 7812 1	112
1 000 301 072	4 4072 0	230	1 004 336 100	7 7121 1	76	1 004 336 361	7 7132 1	78
1 000 301 074	4 4055 0	230	1 004 336 101	7 7121 1	76	1 004 336 361	7 7831 1	114
1 000 301 076	4 4054 0	229	1 004 336 102	7 7122 1	76	1 004 336 362	7 7814 1	113
1 000 301 077	4 4053 0	229	1 004 336 107	7 7121 1	76	1 004 336 363	7 7811 1	112
1 000 301 078	4 4123 0	231	1 004 336 108	7 7121 1	76	1 004 336 367	7 7835 1	115
1 000 301 080	4 4071 0	230	1 004 336 125	7 7124 1	76	1 004 336 368	7 7803 1	110

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 004 336 368	7 7802 1	110	1 004 336 424	7 7802 1	110	1 004 336 461	7 7837 1	116
1 004 336 369	7 7822 1	113	1 004 336 426	7 7813 1	113	1 004 336 462	7 7802 1	110
1 004 336 374	7 7811 1	112	1 004 336 427	7 7806 1	112	1 004 336 463	7 7832 1	114
1 004 336 375	7 7811 1	112	1 004 336 428	7 7806 1	112	1 004 336 464	7 7812 1	112
1 004 336 382	7 7803 1	110	1 004 336 429	7 7839 1	116	1 004 336 465	7 7834 1	114
1 004 336 391	7 7803 1	110	1 004 336 430	7 7836 1	115	1 004 336 466	7 7838 1	116
1 004 336 392	7 7804 1	111	1 004 336 431	7 7836 1	115	1 004 336 467	7 7813 1	113
1 004 336 394	7 7837 1	116	1 004 336 432	7 7131 1	78	1 004 336 468	7 7831 1	114
1 004 336 395	7 7518 1	93	1 004 336 432	7 7805 1	111	1 004 336 468	7 7132 1	78
1 004 336 396	7 7822 1	113	1 004 336 433	7 7805 1	111	1 004 336 469	7 7806 1	112
1 004 336 397	7 7131 1	78	1 004 336 433	7 7131 1	78	1 004 336 470	7 7822 1	113
1 004 336 397	7 7805 1	111	1 004 336 434	7 7281 1	87	1 004 336 472	7 7836 1	115
1 004 336 400	7 7836 1	115	1 004 336 434	7 7801 1	110	1 004 336 502	7 7234 1	84
1 004 336 401	7 7129 1	77	1 004 336 435	7 7806 1	112	1 004 336 503	7 7203 1	80
1 004 336 401	7 7835 1	115	1 004 336 436	7 7812 1	112	1 004 336 504	7 7221 1	82
1 004 336 402	7 7127 1	77	1 004 336 436	7 7124 1	76	1 004 336 505	7 7234 1	84
1 004 336 402	7 7838 1	116	1 004 336 437	7 7832 1	114	1 004 336 506	7 7202 1	80
1 004 336 403	7 7812 1	112	1 004 336 438	7 7836 1	115	1 004 336 507	7 7135 1	79
1 004 336 404	7 7129 1	77	1 004 336 439	7 7812 1	112	1 004 336 508	7 7135 1	79
1 004 336 404	7 7835 1	115	1 004 336 439	7 7124 1	76	1 004 336 509	7 7205 1	81
1 004 336 405	7 7834 1	114	1 004 336 440	7 7838 1	116	1 004 336 510	7 7234 1	84
1 004 336 407	7 7834 1	114	1 004 336 442	7 7813 1	113	1 004 336 511	7 7293 1	89
1 004 336 408	7 7839 1	116	1 004 336 443	7 7124 1	76	1 004 336 512	7 7223 1	82
1 004 336 409	7 7833 1	114	1 004 336 443	7 7812 1	112	1 004 336 513	7 7504 1	91
1 004 336 411	7 7124 1	76	1 004 336 444	7 7804 1	111	1 004 336 514	7 7280 1	87
1 004 336 411	7 7812 1	112	1 004 336 445	7 7836 1	115	1 004 336 514	7 7823 1	114
1 004 336 412	7 7836 1	115	1 004 336 446	7 7838 1	116	1 004 336 515	7 7226 1	83
1 004 336 413	7 7835 1	115	1 004 336 447	7 7836 1	115	1 004 336 516	7 7204 1	81
1 004 336 414	7 7822 1	113	1 004 336 450	7 7835 1	115	1 004 336 517	7 7520 1	94
1 004 336 415	7 7131 1	78	1 004 336 451	7 7801 1	110	1 004 336 518	7 7288 1	87
1 004 336 415	7 7805 1	111	1 004 336 451	7 7281 1	87	1 004 336 519	7 7206 1	81
1 004 336 416	7 7802 1	110	1 004 336 452	7 7821 1	113	1 004 336 520	7 7290 1	88
1 004 336 417	7 7807 1	112	1 004 336 453	7 7823 1	114	1 004 336 521	7 7224 1	83
1 004 336 417	7 7126 1	77	1 004 336 453	7 7280 1	87	1 004 336 522	7 7504 1	91
1 004 336 418	7 7124 1	76	1 004 336 455	7 7835 1	115	1 004 336 523	7 7227 1	83
1 004 336 418	7 7812 1	112	1 004 336 455	7 7129 1	77	1 004 336 524	7 7229 1	83
1 004 336 419	7 7812 1	112	1 004 336 456	7 7831 1	114	1 004 336 525	7 7234 1	84
1 004 336 419	7 7124 1	76	1 004 336 456	7 7132 1	78	1 004 336 526	7 7234 1	84
1 004 336 420	7 7802 1	110	1 004 336 457	7 7812 1	112	1 004 336 527	7 7205 1	81
1 004 336 421	7 7805 1	111	1 004 336 458	7 7129 1	77	1 004 336 528	7 7222 1	82
1 004 336 421	7 7803 1	110	1 004 336 458	7 7835 1	115	1 004 336 529	7 7511 1	93
1 004 336 422	7 7833 1	114	1 004 336 459	7 7127 1	77	1 004 336 530	7 7509 1	92
1 004 336 423	7 7124 1	76	1 004 336 459	7 7838 1	116	1 004 336 531	7 7205 1	81
1 004 336 423	7 7812 1	112	1 004 336 460	7 7831 1	114	1 004 336 532	7 7288 1	87
1 004 336 424	7 7821 1	113	1 004 336 460	7 7132 1	78	1 004 336 533	7 7222 1	82

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 004 336 534	7 7234 1	84	1 004 336 585	7 7518 1	93	1 004 336 630	7 7234 1	84
1 004 336 535	7 7517 1	93	1 004 336 586	7 7230 1	83	1 004 336 630	7 7508 1	92
1 004 336 536	7 7293 1	89	1 004 336 587	7 7511 1	93	1 004 336 631	7 7509 1	92
1 004 336 537	7 7135 1	79	1 004 336 588	7 7286 1	87	1 004 336 632	7 7523 1	94
1 004 336 538	7 7237 1	85	1 004 336 589	7 7506 1	91	1 004 336 632	7 7234 1	84
1 004 336 539	7 7206 1	81	1 004 336 590	7 7230 1	83	1 004 336 633	7 7285 1	87
1 004 336 542	7 7234 1	84	1 004 336 591	7 7504 1	91	1 004 336 634	7 7508 1	92
1 004 336 542	7 7523 1	94	1 004 336 592	7 7233 1	84	1 004 336 636	7 7234 1	84
1 004 336 547	7 7234 1	84	1 004 336 593	7 7234 1	84	1 004 336 637	7 7202 1	80
1 004 336 548	7 7288 1	87	1 004 336 593	7 7523 1	94	1 004 336 638	7 7515 1	93
1 004 336 549	7 7203 1	80	1 004 336 594	7 7288 1	87	1 004 336 640	7 7505 1	91
1 004 336 550	7 7135 1	79	1 004 336 595	7 7542 1	99	1 004 336 641	7 7506 1	91
1 004 336 551	7 7135 1	79	1 004 336 596	7 7229 1	83	1 004 336 645	7 7291 1	88
1 004 336 552	7 7223 1	82	1 004 336 597	7 7238 1	85	1 004 336 648	7 7292 1	88
1 004 336 553	7 7504 1	91	1 004 336 598	7 7506 1	91	1 004 336 649	7 7529 1	95
1 004 336 554	7 7226 1	83	1 004 336 599	7 7288 1	87	1 004 336 650	7 7290 1	88
1 004 336 555	7 7204 1	81	1 004 336 600	7 7523 1	94	1 004 336 653	7 7227 1	83
1 004 336 556	7 7520 1	94	1 004 336 600	7 7234 1	84	1 004 336 654	7 7288 1	87
1 004 336 557	7 7290 1	88	1 004 336 601	7 7288 1	87	1 004 336 655	7 7206 1	81
1 004 336 558	7 7227 1	83	1 004 336 602	7 7542 1	99	1 004 336 656	7 7239 1	85
1 004 336 559	7 7229 1	83	1 004 336 603	7 7520 1	94	1 004 336 657	7 7542 1	99
1 004 336 560	7 7517 1	93	1 004 336 604	7 7506 1	91	1 004 336 658	7 7522 1	94
1 004 336 561	7 7220 1	82	1 004 336 605	7 7135 1	79	1 004 336 661	7 7226 1	83
1 004 336 562	7 7221 1	82	1 004 336 606	7 7506 1	91	1 004 336 662	7 7517 1	93
1 004 336 564	7 7285 1	87	1 004 336 607	7 7523 1	94	1 004 336 663	7 7504 1	91
1 004 336 565	7 7542 1	99	1 004 336 608	7 7234 1	84	1 004 336 664	7 7505 1	91
1 004 336 566	7 7515 1	93	1 004 336 609	7 7291 1	88	1 004 336 666	7 7520 1	94
1 004 336 567	7 7223 1	82	1 004 336 611	7 7520 1	94	1 004 336 669	7 7506 1	91
1 004 336 568	7 7224 1	83	1 004 336 612	7 7529 1	95	1 004 336 672	7 7530 1	95
1 004 336 569	7 7237 1	85	1 004 336 614	7 7292 1	88	1 004 336 674	7 7536 1	96
1 004 336 570	7 7237 1	85	1 004 336 615	7 7542 1	99	1 004 336 677	7 7504 1	91
1 004 336 571	7 7235 1	85	1 004 336 616	7 7229 1	83	1 004 336 678	7 7504 1	91
1 004 336 572	7 7514 1	93	1 004 336 617	7 7135 1	79	1 004 336 681	7 7538 1	98
1 004 336 573	7 7238 1	85	1 004 336 618	7 7288 1	87	1 004 336 682	7 7540 1	98
1 004 336 574	7 7229 1	83	1 004 336 619	7 7203 1	80	1 004 336 688	7 7230 1	83
1 004 336 575	7 7288 1	87	1 004 336 620	7 7135 1	79	1 004 336 689	7 7560 1	104
1 004 336 576	7 7239 1	85	1 004 336 621	7 7135 1	79	1 004 336 695	7 7536 1	96
1 004 336 577	7 7519 1	94	1 004 336 622	7 7204 1	81	1 004 336 697	7 7553 1	104
1 004 336 578	7 7229 1	83	1 004 336 623	7 7520 1	94	1 004 336 698	7 7543 1	99
1 004 336 579	7 7222 1	82	1 004 336 624	7 7229 1	83	1 004 336 699	7 7534 1	96
1 004 336 580	7 7523 1	94	1 004 336 625	7 7237 1	85	1 004 336 700	7 7227 1	83
1 004 336 581	7 7520 1	94	1 004 336 626	7 7237 1	85	1 004 336 701	7 7229 1	83
1 004 336 582	7 7230 1	83	1 004 336 627	7 7235 1	85	1 004 336 702	7 7234 1	84
1 004 336 583	7 7508 1	92	1 004 336 628	7 7238 1	85	1 004 336 703	7 7234 1	84
1 004 336 584	7 7504 1	91	1 004 336 629	7 7203 1	80	1 004 336 704	7 7205 1	81



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 004 336 707	7 7509 1	92	1 004 336 747	7 7124 1	76	1 004 336 790	7 7230 1	83
1 004 336 708	7 7205 1	81	1 004 336 747	7 7812 1	112	1 004 336 791	7 7508 1	92
1 004 336 709	7 7288 1	87	1 004 336 748	7 7812 1	112	1 004 336 792	7 7504 1	91
1 004 336 711	7 7234 1	84	1 004 336 748	7 7124 1	76	1 004 336 793	7 7518 1	93
1 004 336 712	7 7293 1	89	1 004 336 749	7 7802 1	110	1 004 336 794	7 7230 1	83
1 004 336 713	7 7135 1	79	1 004 336 750	7 7203 1	80	1 004 336 795	7 7511 1	93
1 004 336 714	7 7237 1	85	1 004 336 751	7 7135 1	79	1 004 336 796	7 7286 1	87
1 004 336 715	7 7131 1	78	1 004 336 752	7 7135 1	79	1 004 336 797	7 7511 1	93
1 004 336 715	7 7805 1	111	1 004 336 753	7 7223 1	82	1 004 336 798	7 7504 1	91
1 004 336 716	7 7803 1	110	1 004 336 754	7 7504 1	91	1 004 336 799	7 7233 1	84
1 004 336 717	7 7804 1	111	1 004 336 755	7 7226 1	83	1 004 336 800	7 7135 1	79
1 004 336 718	7 7234 1	84	1 004 336 756	7 7204 1	81	1 004 336 801	7 7131 1	78
1 004 336 720	7 7837 1	116	1 004 336 757	7 7520 1	94	1 004 336 801	7 7805 1	111
1 004 336 721	7 7518 1	93	1 004 336 758	7 7290 1	88	1 004 336 802	7 7831 1	114
1 004 336 722	7 7822 1	113	1 004 336 759	7 7227 1	83	1 004 336 802	7 7132 1	78
1 004 336 723	7 7234 1	84	1 004 336 760	7 7229 1	83	1 004 336 803	7 7821 1	113
1 004 336 724	7 7517 1	93	1 004 336 761	7 7517 1	93	1 004 336 804	7 7836 1	115
1 004 336 725	7 7288 1	87	1 004 336 762	7 7124 1	76	1 004 336 806	7 7812 1	112
1 004 336 726	7 7288 1	87	1 004 336 762	7 7812 1	112	1 004 336 806	7 7124 1	76
1 004 336 727	7 7293 1	89	1 004 336 763	7 7821 1	113	1 004 336 807	7 7835 1	115
1 004 336 728	7 7803 1	110	1 004 336 765	7 7220 1	82	1 004 336 808	7 7839 1	116
1 004 336 728	7 7805 1	111	1 004 336 766	7 7221 1	82	1 004 336 808	7 7838 1	116
1 004 336 729	7 7833 1	114	1 004 336 768	7 7285 1	87	1 004 336 809	7 7803 1	110
1 004 336 730	7 7836 1	115	1 004 336 769	7 7542 1	99	1 004 336 809	7 7805 1	111
1 004 336 731	7 7129 1	77	1 004 336 770	7 7515 1	93	1 004 336 810	7 7803 1	110
1 004 336 731	7 7835 1	115	1 004 336 771	7 7223 1	82	1 004 336 811	7 7813 1	113
1 004 336 732	7 7127 1	77	1 004 336 772	7 7813 1	113	1 004 336 812	7 7124 1	76
1 004 336 732	7 7838 1	116	1 004 336 773	7 7224 1	83	1 004 336 812	7 7812 1	112
1 004 336 733	7 7812 1	112	1 004 336 774	7 7237 1	85	1 004 336 813	7 7131 1	78
1 004 336 734	7 7129 1	77	1 004 336 775	7 7806 1	112	1 004 336 813	7 7805 1	111
1 004 336 734	7 7835 1	115	1 004 336 776	7 7806 1	112	1 004 336 814	7 7802 1	110
1 004 336 735	7 7834 1	114	1 004 336 777	7 7838 1	116	1 004 336 815	7 7125 1	77
1 004 336 736	7 7834 1	114	1 004 336 777	7 7839 1	116	1 004 336 816	7 7812 1	112
1 004 336 737	7 7839 1	116	1 004 336 778	7 7836 1	115	1 004 336 816	7 7124 1	76
1 004 336 738	7 7833 1	114	1 004 336 779	7 7836 1	115	1 004 336 817	7 7125 1	77
1 004 336 740	7 7124 1	76	1 004 336 780	7 7237 1	85	1 004 336 819	7 7834 1	114
1 004 336 740	7 7812 1	112	1 004 336 781	7 7235 1	85	1 004 336 820	7 7806 1	112
1 004 336 741	7 7836 1	115	1 004 336 782	7 7514 1	93	1 004 336 821	7 7126 1	77
1 004 336 742	7 7835 1	115	1 004 336 783	7 7238 1	85	1 004 336 821	7 7807 1	112
1 004 336 743	7 7822 1	113	1 004 336 784	7 7229 1	83	1 004 336 822	7 7123 1	76
1 004 336 744	7 7131 1	78	1 004 336 785	7 7239 1	85	1 004 336 823	7 7811 1	112
1 004 336 744	7 7805 1	111	1 004 336 786	7 7519 1	94	1 004 336 824	7 7822 1	113
1 004 336 745	7 7802 1	110	1 004 336 787	7 7229 1	83	1 004 336 826	7 7835 1	115
1 004 336 746	7 7807 1	112	1 004 336 788	7 7222 1	82	1 004 336 827	7 7805 1	111
1 004 336 746	7 7126 1	77	1 004 336 789	7 7523 1	94	1 004 336 827	7 7131 1	78

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 004 336 828	7 7281 1	87	1 004 336 879	7 7202 1	80	1 004 336 924	7 7129 1	77
1 004 336 828	7 7801 1	110	1 004 336 881	7 7836 1	115	1 004 336 925	7 7129 1	77
1 004 336 829	7 7836 1	115	1 004 336 884	7 7135 1	79	1 004 336 925	7 7835 1	115
1 004 336 830	7 7802 1	110	1 004 336 885	7 7135 1	79	1 004 336 926	7 7838 1	116
1 004 336 831	7 7803 1	110	1 004 336 886	7 7205 1	81	1 004 336 927	7 7838 1	116
1 004 336 832	7 7811 1	112	1 004 336 888	7 7293 1	89	1 004 336 927	7 7127 1	77
1 004 336 833	7 7804 1	111	1 004 336 889	7 7223 1	82	1 004 336 928	7 7125 1	77
1 004 336 834	7 7125 1	77	1 004 336 890	7 7504 1	91	1 004 336 931	7 7832 1	114
1 004 336 835	7 7832 1	114	1 004 336 891	7 7280 1	87	1 004 336 933	7 7838 1	116
1 004 336 836	7 7836 1	115	1 004 336 891	7 7823 1	114	1 004 336 934	7 7812 1	112
1 004 336 837	7 7812 1	112	1 004 336 892	7 7226 1	83	1 004 336 935	7 7811 1	112
1 004 336 837	7 7124 1	76	1 004 336 893	7 7204 1	81	1 004 336 936	7 7812 1	112
1 004 336 838	7 7123 1	76	1 004 336 894	7 7288 1	87	1 004 336 937	7 7806 1	112
1 004 336 840	7 7836 1	115	1 004 336 895	7 7520 1	94	1 004 336 938	7 7131 1	78
1 004 336 841	7 7802 1	110	1 004 336 896	7 7206 1	81	1 004 336 938	7 7805 1	111
1 004 336 842	7 7131 1	78	1 004 336 897	7 7290 1	88	1 004 336 939	7 7125 1	77
1 004 336 842	7 7805 1	111	1 004 336 898	7 7224 1	83	1 004 336 940	7 7125 1	77
1 004 336 843	7 7125 1	77	1 004 336 899	7 7504 1	91	1 004 336 941	7 7812 1	112
1 004 336 844	7 7125 1	77	1 004 336 900	7 7121 1	76	1 004 336 942	7 7129 1	77
1 004 336 845	7 7834 1	114	1 004 336 901	7 7122 1	76	1 004 336 942	7 7835 1	115
1 004 336 846	7 7125 1	77	1 004 336 902	7 7812 1	112	1 004 336 943	7 7125 1	77
1 004 336 847	7 7838 1	116	1 004 336 903	7 7812 1	112	1 004 336 944	7 7814 1	113
1 004 336 848	7 7831 1	114	1 004 336 904	7 7813 1	113	1 004 336 946	7 7831 1	114
1 004 336 848	7 7132 1	78	1 004 336 906	7 7838 1	116	1 004 336 946	7 7132 1	78
1 004 336 849	7 7835 1	115	1 004 336 907	7 7812 1	112	1 004 336 947	7 7835 1	115
1 004 336 850	7 7811 1	112	1 004 336 908	7 7832 1	114	1 004 336 947	7 7129 1	77
1 004 336 852	7 7821 1	113	1 004 336 909	7 7129 1	77	1 004 336 949	7 7832 1	114
1 004 336 853	7 7803 1	110	1 004 336 909	7 7835 1	115	1 004 336 950	7 7812 1	112
1 004 336 853	7 7802 1	110	1 004 336 911	7 7814 1	113	1 004 336 951	7 7807 1	112
1 004 336 856	7 7123 1	76	1 004 336 912	7 7812 1	112	1 004 336 951	7 7126 1	77
1 004 336 859	7 7811 1	112	1 004 336 912	7 7124 1	76	1 004 336 952	7 7125 1	77
1 004 336 860	7 7833 1	114	1 004 336 913	7 7124 1	76	1 004 336 953	7 7125 1	77
1 004 336 861	7 7123 1	76	1 004 336 913	7 7812 1	112	1 004 336 954	7 7812 1	112
1 004 336 864	7 7832 1	114	1 004 336 914	7 7835 1	115	1 004 336 955	7 7129 1	77
1 004 336 865	7 7125 1	77	1 004 336 915	7 7125 1	77	1 004 336 955	7 7835 1	115
1 004 336 866	7 7234 1	84	1 004 336 916	7 7125 1	77	1 004 336 956	7 7836 1	115
1 004 336 867	7 7823 1	114	1 004 336 917	7 7125 1	77	1 004 336 957	7 7131 1	78
1 004 336 867	7 7280 1	87	1 004 336 918	7 7812 1	112	1 004 336 957	7 7805 1	111
1 004 336 868	7 7833 1	114	1 004 336 919	7 7813 1	113	1 004 336 958	7 7127 1	77
1 004 336 869	7 7229 1	83	1 004 336 921	7 7124 1	76	1 004 336 958	7 7838 1	116
1 004 336 870	7 7806 1	112	1 004 336 921	7 7812 1	112	1 004 336 959	7 7129 1	77
1 004 336 872	7 7288 1	87	1 004 336 922	7 7812 1	112	1 004 336 959	7 7835 1	115
1 004 336 874	7 7518 1	93	1 004 336 922	7 7124 1	76	1 004 336 960	7 7124 1	76
1 004 336 876	7 7504 1	91	1 004 336 923	7 7813 1	113	1 004 336 960	7 7812 1	112
1 004 336 878	7 7203 1	80	1 004 336 924	7 7835 1	115	1 004 336 961	7 7813 1	113

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 004 336 962	7 7835 1	115	1 004 336 998	7 7812 1	112	1 004 337 069	7 7565 1	106
1 004 336 963	7 7125 1	77	1 004 336 998	7 7124 1	76	1 004 337 070	7 7560 1	104
1 004 336 964	7 7131 1	78	1 004 336 999	7 7837 1	116	1 004 337 073	7 7570 1	107
1 004 336 964	7 7805 1	111	1 004 337 002	7 7544 1	99	1 004 337 077	7 7537 1	97
1 004 336 965	7 7124 1	76	1 004 337 004	7 7229 1	83	1 004 337 140	7 7542 1	99
1 004 336 965	7 7812 1	112	1 004 337 005	7 7545 1	100	1 004 337 144	7 7546 1	100
1 004 336 967	7 7125 1	77	1 004 337 006	7 7537 1	97	1 004 337 145	7 7529 1	95
1 004 336 968	7 7812 1	112	1 004 337 012	7 7540 1	98	1 004 337 146	7 7577 1	110
1 004 336 968	7 7124 1	76	1 004 337 013	7 7539 1	98	1 004 337 147	7 7577 1	110
1 004 336 969	7 7125 1	77	1 004 337 015	7 7562 1	105	1 004 337 149	7 7553 1	104
1 004 336 970	7 7803 1	110	1 004 337 016	7 7563 1	105	1 004 337 150	7 7542 1	99
1 004 336 970	7 7805 1	111	1 004 337 017	7 7561 1	104	1 004 337 151	7 7562 1	105
1 004 336 971	7 7811 1	112	1 004 337 017	7 7575 1	109	1 004 337 152	7 7563 1	105
1 004 336 973	7 7811 1	112	1 004 337 019	7 7541 1	99	1 004 337 153	7 7549 1	101
1 004 336 974	7 7812 1	112	1 004 337 020	7 7563 1	105	1 004 337 153	7 7291 1	88
1 004 336 975	7 7131 1	78	1 004 337 021	7 7563 1	105	1 004 337 154	7 7292 1	88
1 004 336 975	7 7805 1	111	1 004 337 022	7 7542 1	99	1 004 337 154	7 7549 1	101
1 004 336 976	7 7832 1	114	1 004 337 023	7 7575 1	109	1 004 337 155	7 7548 1	101
1 004 336 978	7 7511 1	93	1 004 337 023	7 7569 1	107	1 004 337 156	7 7536 1	96
1 004 336 980	7 7801 1	110	1 004 337 023	7 7561 1	104	1 004 337 158	7 7553 1	104
1 004 336 980	7 7281 1	87	1 004 337 026	7 7564 1	106	1 004 337 160	7 7536 1	96
1 004 336 980	7 7802 1	110	1 004 337 029	7 7539 1	98	1 004 337 161	7 7537 1	97
1 004 336 981	7 7129 1	77	1 004 337 034	7 7546 1	100	1 004 337 165	7 7549 1	101
1 004 336 981	7 7835 1	115	1 004 337 035	7 7562 1	105	1 004 337 167	7 7553 1	104
1 004 336 983	7 7127 1	77	1 004 337 036	7 7563 1	105	1 004 337 168	7 7569 1	107
1 004 336 983	7 7838 1	116	1 004 337 040	7 7561 1	104	1 004 337 168	7 7575 1	109
1 004 336 984	7 7834 1	114	1 004 337 040	7 7575 1	109	1 004 337 173	7 7522 1	94
1 004 336 985	7 7803 1	110	1 004 337 041	7 7567 1	107	1 004 337 175	7 7551 1	103
1 004 336 986	7 7812 1	112	1 004 337 042	7 7539 1	98	1 004 337 181	7 7571 1	108
1 004 336 986	7 7124 1	76	1 004 337 043	7 7562 1	105	1 004 337 182	7 7553 1	104
1 004 336 987	7 7806 1	112	1 004 337 044	7 7563 1	105	1 004 337 185	7 7575 1	109
1 004 336 988	7 7838 1	116	1 004 337 045	7 7561 1	104	1 004 338 100	7 7550 1	102
1 004 336 988	7 7127 1	77	1 004 337 045	7 7575 1	109	1 004 338 102	7 7547 1	100
1 004 336 989	7 7804 1	111	1 004 337 046	7 7566 1	106	1 004 338 112	7 7550 1	102
1 004 336 990	7 7839 1	116	1 004 337 047	7 7546 1	100	1 004 338 113	7 7552 1	103
1 004 336 991	7 7838 1	116	1 004 337 049	7 7565 1	106	1 004 338 117	7 7552 1	103
1 004 336 991	7 7127 1	77	1 004 337 050	7 7546 1	100	1 004 338 125	7 7552 1	103
1 004 336 992	7 7125 1	77	1 004 337 058	7 7566 1	106	1 004 338 126	7 7550 1	102
1 004 336 993	7 7125 1	77	1 004 337 059	7 7565 1	106	1 004 338 136	7 7552 1	103
1 004 336 994	7 7831 1	114	1 004 337 060	7 7560 1	104	1 004 338 140	7 7550 1	102
1 004 336 994	7 7132 1	78	1 004 337 061	7 7562 1	105	1 004 338 141	7 7552 1	103
1 004 336 995	7 7124 1	76	1 004 337 062	7 7563 1	105	1 004 338 141	7 7573 1	108
1 004 336 995	7 7812 1	112	1 004 337 063	7 7564 1	106	1 004 338 145	7 7572 1	108
1 004 336 996	7 7836 1	115	1 004 337 066	7 7564 1	106	1 004 338 147	7 7547 1	100
1 004 336 997	7 7836 1	115	1 004 337 068	7 7566 1	106	1 004 338 149	7 7573 1	108

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 004 338 156	7 7573 1	108	1 006 209 516	4 5176 1	158	1 006 209 601	4 5140 1	156
1 004 338 156	7 7552 1	103	1 006 209 522	4 5175 1	158	1 006 209 602	4 5085 1	153
1 004 338 157	7 7520 1	94	1 006 209 523	4 5006 1	147	1 006 209 603	4 5176 1	158
1 004 338 159	7 7230 1	83	1 006 209 524	4 5157 1	157	1 006 209 607	4 5082 1	153
1 004 338 162	7 7229 1	83	1 006 209 526	4 5061 1	151	1 006 209 608	4 5151 1	156
1 004 338 163	7 7288 1	87	1 006 209 528	4 5061 1	151	1 006 209 618	4 5021 1	148
1 004 338 164	7 7229 1	83	1 006 209 530	4 5061 1	151	1 006 209 619	4 5061 1	151
1 004 338 176	7 7547 1	100	1 006 209 531	4 5061 1	151	1 006 209 621	4 5022 1	148
1 004 338 178	7 7550 1	102	1 006 209 534	4 5183 1	158	1 006 209 624	4 5025 1	148
1 004 338 182	7 7547 1	100	1 006 209 536	4 5061 1	151	1 006 209 628	4 5024 1	148
1 004 338 196	7 7573 1	108	1 006 209 537	4 5176 1	158	1 006 209 629	4 5139 1	155
1 004 338 198	7 7573 1	108	1 006 209 538	4 5177 1	158	1 006 209 631	4 5035 1	149
1 004 338 200	7 7573 1	108	1 006 209 539	4 5177 1	158	1 006 209 633	4 5025 1	148
1 004 338 205	7 7552 1	103	1 006 209 540	4 5135 1	155	1 006 209 634	4 5032 1	149
1 004 611 006	4 0749 0	273	1 006 209 543	4 5007 1	147	1 006 209 635	4 5035 1	149
1 004 611 007	4 0740 0	273	1 006 209 544	4 5007 1	147	1 006 209 638	4 5021 1	148
1 004 615 001	4 0747 0	273	1 006 209 545	4 5176 1	158	1 006 209 642	4 5166 1	157
1 005 821 300	4 2201 0	215	1 006 209 546	4 5177 1	158	1 006 209 645	4 5031 1	148
1 005 821 303	4 2202 0	215	1 006 209 547	4 5183 1	158	1 006 209 648	4 5022 1	148
1 005 821 306	4 2204 0	216	1 006 209 548	4 5061 1	151	1 006 209 649	4 5024 1	148
1 005 821 307	4 2201 0	215	1 006 209 549	4 5183 1	158	1 006 209 653	4 5042 1	150
1 005 821 308	4 2203 0	215	1 006 209 552	4 5014 1	147	1 006 209 660	4 5032 1	149
1 005 821 311	4 2201 0	215	1 006 209 553	4 5010 1	147	1 006 209 667	4 5021 1	148
1 005 821 312	4 2207 0	216	1 006 209 554	4 5183 1	158	1 006 209 670	4 5082 1	153
1 005 821 313	4 2208 0	216	1 006 209 558	4 5010 1	147	1 006 209 671	4 5033 1	149
1 005 821 314	4 2210 0	217	1 006 209 559	4 5183 1	158	1 006 209 672	4 5021 1	148
1 005 821 321	4 2209 0	217	1 006 209 563	4 5061 1	151	1 006 209 675	4 5082 1	153
1 005 821 328	4 2200 0	215	1 006 209 565	4 5010 1	147	1 006 209 677	4 5021 1	148
1 005 821 333	4 2214 0	218	1 006 209 566	4 5176 1	158	1 006 209 678	4 5035 1	149
1 005 821 340	4 2200 0	215	1 006 209 567	4 5061 1	151	1 006 209 681	4 5036 1	149
1 005 821 348	4 2200 0	215	1 006 209 568	4 5176 1	158	1 006 209 683	4 5095 1	154
1 005 821 352	4 2203 0	215	1 006 209 570	4 5061 1	151	1 006 209 684	4 5061 1	151
1 005 821 362	4 2200 0	215	1 006 209 572	4 5061 1	151	1 006 209 685	4 5061 1	151
1 006 209 072	4 5145 1	156	1 006 209 573	4 5061 1	151	1 006 209 686	4 5017 1	148
1 006 209 073	4 5145 1	156	1 006 209 576	4 5007 1	147	1 006 209 690	4 5021 1	148
1 006 209 107	4 5145 1	156	1 006 209 579	4 5015 1	147	1 006 209 691	4 5177 1	158
1 006 209 420	4 5115 1	155	1 006 209 582	4 5061 1	151	1 006 209 692	4 5025 1	148
1 006 209 425	4 5173 1	157	1 006 209 583	4 5010 1	147	1 006 209 693	4 5061 1	151
1 006 209 436	4 5156 1	157	1 006 209 584	4 5017 1	148	1 006 209 694	4 5061 1	151
1 006 209 503	4 5061 1	151	1 006 209 587	4 5176 1	158	1 006 209 695	4 5051 1	150
1 006 209 504	4 5061 1	151	1 006 209 591	4 5010 1	147	1 006 209 696	4 5025 1	148
1 006 209 506	4 5061 1	151	1 006 209 594	4 5014 1	147	1 006 209 699	4 5022 1	148
1 006 209 509	4 5061 1	151	1 006 209 596	4 5007 1	147	1 006 209 701	4 5061 1	151
1 006 209 510	4 5176 1	158	1 006 209 597	4 5061 1	151	1 006 209 702	4 5061 1	151
1 006 209 513	4 5061 1	151	1 006 209 600	4 5017 1	148	1 006 209 703	4 5007 1	147

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 006 209 705	4 5061 1	151	1 006 209 949	4 5101 1	154	1 007 014 126	0 1124 1	4
1 006 209 706	4 5025 1	148	1 006 209 950	4 5031 1	148	1 007 014 127	0 1125 1	4
1 006 209 707	4 5061 1	151	1 006 209 958	4 5144 1	156	1 007 014 128	0 1121 1	4
1 006 209 709	4 5061 1	151	1 006 209 960	4 5101 1	154	1 007 014 129	0 1125 1	4
1 006 209 710	4 5007 1	147	1 006 209 961	4 5077 1	153	1 007 014 130	0 1151 1	6
1 006 209 711	4 5061 1	151	1 006 209 964	4 5066 1	152	1 007 014 131	0 1124 1	4
1 006 209 715	4 5025 1	148	1 006 209 981	4 5070 1	152	1 007 014 132	0 1124 1	4
1 006 209 751	4 5042 1	150	1 006 210 128	4 5127 1	155	1 007 014 133	0 1124 1	4
1 006 209 755	4 5101 1	154	1 006 210 145	4 5176 1	158	1 007 014 134	0 1125 1	4
1 006 209 758	4 5024 1	148	1 006 210 146	4 5127 1	155	1 007 014 137	0 1154 1	6
1 006 209 779	4 5032 1	149	1 006 210 184	4 5151 1	156	1 007 014 138	0 1152 1	6
1 006 209 783	4 5101 1	154	1 006 384 642	4 5157 1	157	1 007 014 139	0 1157 1	7
1 006 209 785	4 5077 1	153	1 007 010 027	7 7117 1	75	1 007 014 141	0 1157 1	7
1 006 209 787	4 5021 1	148	1 007 010 045	4 5007 1	147	1 007 014 143	0 1158 1	7
1 006 209 792	4 5032 1	149	1 007 010 053	7 7838 1	116	1 007 014 144	0 1162 1	7
1 006 209 793	4 5046 1	150	1 007 010 054	7 7838 1	116	1 007 014 145	0 1157 1	7
1 006 209 796	4 5172 1	157	1 007 010 056	7 7834 1	114	1 09001082324	4 5173 1	157
1 006 209 799	4 5070 1	152	1 007 010 065	7 7812 1	112	1 09001082748	4 5173 1	157
1 006 209 801	4 5046 1	150	1 007 010 076	7 7129 1	77	1 107 014 110	0 1106 1	3
1 006 209 802	4 5031 1	148	1 007 010 076	7 7835 1	115	1 107 014 126	0 1125 1	4
1 006 209 804	4 5047 1	150	1 007 010 079	4 2238 1	258	1 900 301 420	4 4080 0	230
1 006 209 805	4 5144 1	156	1 007 010 091	7 7835 1	115	1 900 301 454	4 4081 0	230
1 006 209 807	4 5046 1	150	1 007 010 092	7 7832 1	114	1 917 000 153	0 1284 1	52
1 006 209 812	4 5048 1	150	1 007 010 124	7 7135 1	79	1 917 000 154	0 1285 1	52
1 006 209 814	4 5144 1	156	1 007 010 135	7 7135 1	79	1 917 000 155	0 1287 1	52
1 006 209 818	4 5066 1	152	1 007 010 144	4 4642 1	261	1 917 000 156	0 1288 1	52
1 006 209 824	4 5127 1	155	1 007 010 155	4 4643 1	261	1 917 000 158	0 1296 1	52
1 006 209 905	4 5176 1	158	1 007 014 038	0 1140 1	5	1 917 000 161	0 1251 1	53
1 006 209 906	4 5061 1	151	1 007 014 100	0 1100 1	3	1 917 000 162	0 1250 1	53
1 006 209 907	4 5176 1	158	1 007 014 101	0 1106 1	3	1 917 000 201	0 1355 1	65
1 006 209 910	4 5010 1	147	1 007 014 101	0 1130 1	5	1 917 000 204	0 1354 1	65
1 006 209 911	4 5010 1	147	1 007 014 102	0 1123 1	4	1 917 000 205	0 1355 1	65
1 006 209 912	4 5014 1	147	1 007 014 103	0 1123 1	4	1 917 000 206	0 1355 1	65
1 006 209 917	4 5015 1	147	1 007 014 106	0 1102 1	3	1 917 000 207	0 1355 1	65
1 006 209 918	4 5007 1	147	1 007 014 107	0 1103 1	3	1 917 000 208	0 1355 1	65
1 006 209 919	4 5007 1	147	1 007 014 109	0 1104 1	3	1 917 000 210	0 1355 1	65
1 006 209 921	4 5007 1	147	1 007 014 112	0 1140 1	5	1 917 000 211	0 1361 1	65
1 006 209 922	4 5010 1	147	1 007 014 113	0 1140 1	5	1 917 000 215	0 1367 1	65
1 006 209 924	4 5140 1	156	1 007 014 114	0 1140 1	5	1 917 000 251	0 1454 1	25
1 006 209 929	4 5139 1	155	1 007 014 117	0 1140 1	5	1 917 000 253	0 1457 1	25
1 006 209 937	4 5021 1	148	1 007 014 118	0 1140 1	5	1 917 000 255	0 1459 1	25
1 006 209 939	4 5061 1	151	1 007 014 119	0 1125 1	4	1 917 000 260	0 1462 1	25
1 006 209 943	4 5036 1	149	1 007 014 121	0 1125 1	4	1 917 000 354	0 1608 1	39
1 006 209 944	4 5025 1	148	1 007 014 122	0 1140 1	5	1 917 000 355	0 1609 1	39
1 006 209 947	4 5042 1	150	1 007 014 123	0 1106 1	3	1 917 000 357	0 1615 1	39

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
1 917 000 359	0 1617 1	39	2 000 301 006	4 4106 0	231	2 004 336 077	7 7136 1	79
1 917 000 360	0 1618 1	40	2 000 301 013	4 4113 0	231	2 004 336 078	7 7136 1	79
1 917 000 361	0 1613 1	39	2 000 301 015	4 4115 0	231	2 004 336 079	7 7201 1	80
1 917 000 363	0 1619 1	40	2 000 301 016	4 4116 0	231	2 004 336 085	7 7137 1	79
1 917 000 400	0 1662 1	43	2 000 301 019	4 4000 0	229	2 004 336 086	7 7138 1	79
1 917 000 503	0 1757 1	58	2 000 301 020	4 4009 0	229	2 004 336 087	7 7137 1	79
1 917 000 504	0 1759 1	58	2 000 301 023	4 4123 0	231	2 004 336 090	7 7533 1	96
1 917 000 509	0 1757 1	58	2 000 301 025	4 4053 0	229	2 004 336 091	7 7245 1	86
1 917 000 512	0 1760 1	58	2 000 301 026	4 4126 0	231	2 004 336 092	7 7245 1	86
1 917 000 513	0 1760 1	58	2 000 301 031	4 4131 0	231	2 004 336 093	7 7501 1	91
1 917 000 519	0 1742 1	57	2 000 301 036	4 4136 0	231	2 004 336 094	7 7533 1	96
1 917 000 521	0 1757 1	58	2 000 301 037	4 4137 0	231	2 004 336 095	7 7507 1	92
1 917 000 522	0 1759 1	58	2 000 301 040	4 4123 0	231	2 004 336 096	7 7533 1	96
1 917 000 523	0 1759 1	58	2 000 301 041	4 4141 0	231	2 004 336 097	7 7533 1	96
1 917 000 524	0 1759 1	58	2 000 301 043	4 4142 0	231	2 004 336 099	7 7115 1	75
1 917 000 525	0 1746 1	57	2 000 301 044	4 4144 0	231	2 004 336 100	7 7507 1	92
1 917 000 526	0 1750 1	57	2 000 301 045	4 4141 0	231	2 004 336 110	7 7501 1	91
1 917 000 529	0 1756 1	57	2 000 301 047	4 4142 0	231	2 004 336 111	7 7245 1	86
1 917 000 542	0 1769 1	58	2 000 301 049	4 4141 0	231	2 004 336 112	7 7245 1	86
1 917 000 543	0 1760 1	58	2 000 301 053	4 4053 0	229	2 004 336 113	7 7501 1	91
1 917 000 553	0 1755 1	57	2 000 301 056	4 4056 0	230	2 004 336 114	7 7501 1	91
1 917 000 554	0 1750 1	57	2 000 310 001	4 4104 0	231	2 004 336 115	7 7245 1	86
1 917 000 556	0 1759 1	58	2 000 310 002	4 4001 0	229	2 004 336 116	7 7245 1	86
1 917 000 558	0 1759 1	58	2 000 322 020	4 4199 0	231	2 004 336 117	7 7501 1	91
1 917 000 559	0 1760 1	58	2 000 910 002	8 8983 0	253	2 004 336 125	7 7245 1	86
1 917 000 563	0 1766 1	58	2 000 910 004	8 8275 0	250	2 004 336 126	7 7245 1	86
1 917 000 564	0 1769 1	58	2 000 910 005	8 8693 0	252	2 004 336 127	7 7501 1	91
1 917 000 565	0 1464 1	26	2 000 910 009	8 8983 0	253	2 004 336 128	7 7501 1	91
1 917 000 576	0 1770 1	58	2 000 910 011	8 8664 0	251	2 004 336 137	7 7245 1	86
1 917 000 577	0 1464 1	26	2 000 910 012	8 8665 0	251	2 004 336 209	7 7811 1	112
1 917 000 578	0 1665 1	43	2 000 910 013	8 4092 0	247	2 004 336 210	7 7814 1	113
1 917 700 476	0 1690 1	51	2 000 910 015	8 8663 0	251	2 004 336 212	7 7803 1	110
1 987 000 005	0 1969 1	36	2 001 301 020	4 4009 0	229	2 004 336 213	7 7822 1	113
1 987 000 006	0 1960 1	36	2 001 933 149	4 7148 0	276	2 004 336 214	7 7802 1	110
1 987 000 007	0 1949 1	45	2 001 933 175	4 7148 0	276	2 004 336 215	7 7807 1	112
1 987 000 009	0 1942 1	34	2 004 320 035	0 1150 1	6	2 004 336 216	7 7812 1	112
1 987 000 010	0 1971 1	46	2 004 336 027	7 7115 1	75	2 004 336 217	7 7812 1	112
1 987 000 026	0 1959 1	35	2 004 336 028	7 7119 1	75	2 004 336 218	7 7821 1	113
1 987 010 000	0 3811 1	257	2 004 336 031	7 7120 1	76	2 004 336 219	7 7813 1	113
1 987 120 002	0 1966 1	21	2 004 336 041	7 7115 1	75	2 004 336 220	7 7806 1	112
1 987 BE2 015	4 6197 9	202	2 004 336 044	7 7119 1	75	2 004 336 221	7 7805 1	111
1 987 BE2 016	4 6158 9	190	2 004 336 046	7 7120 1	76	2 004 336 222	7 7812 1	112
2 000 105 040	4 3370 0	274	2 004 336 064	7 7200 1	80	2 004 336 223	7 7801 1	110
2 000 301 000	4 4103 0	230	2 004 336 066	7 7138 1	79	2 004 336 224	7 7823 1	114
2 000 301 004	4 4104 0	231	2 004 336 067	7 7119 1	75	2 004 336 225	7 7812 1	112

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
2 004 336 226	7 7804 1	111	2 006 209 529	4 5005 1	146	2 007 014 032	0 1136 1	5
2 004 336 227	7 7811 1	112	2 006 209 530	4 5005 1	146	2 007 014 034	0 1124 1	4
2 004 336 230	7 7838 1	116	2 006 209 532	4 5002 1	146	2 007 014 035	0 1136 1	5
2 004 336 233	7 7831 1	114	2 006 209 536	4 5005 1	146	2 007 014 036	0 1156 1	7
2 004 336 234	7 7837 1	116	2 006 209 543	4 5084 1	153	2 007 014 037	0 1107 1	4
2 004 336 235	7 7833 1	114	2 006 209 544	4 5084 1	153	2 007 014 038	0 1140 1	5
2 004 336 237	7 7836 1	115	2 006 209 558	4 5105 1	154	2 007 014 040	0 1151 1	6
2 004 336 238	7 7835 1	115	2 006 209 930	4 5005 1	146	2 007 014 042	0 1156 1	7
2 004 336 240	7 7839 1	116	2 006 380 010	4 5001 1	146	2 007 014 044	0 1132 1	5
2 004 336 241	7 7836 1	115	2 006 380 410	4 5001 1	146	2 007 014 047	0 1104 1	3
2 004 336 244	7 7834 1	114	2 006 380 558	4 5000 1	146	2 007 014 048	0 1156 1	7
2 004 336 245	7 7832 1	114	2 006 381 010	4 5001 1	146	2 007 014 049	0 1136 1	5
2 004 336 249	7 7208 1	81	2 006 381 410	4 5001 1	146	2 007 014 050	0 1132 1	5
2 004 336 250	7 7208 1	81	2 006 381 558	4 5000 1	146	2 007 014 051	0 1136 1	5
2 004 336 259	7 7501 1	91	2 006 401 527	4 6027 1	275	2 007 014 052	0 1132 1	5
2 004 336 260	7 7807 1	112	2 007 010 007	4 3395 0	275	2 007 014 053	0 1138 1	5
2 004 336 261	7 7805 1	111	2 007 010 121	4 4689 1	262	2 007 014 054	0 1140 1	5
2 004 616 007	4 0739 0	273	2 007 010 160	4 5105 1	154	2 007 014 055	0 1140 1	5
2 004 616 009	4 0752 0	273	2 007 011 071	4 3393 0	274	2 007 014 056	0 1132 1	5
2 004 618 004	4 0748 0	273	2 007 014 000	0 1123 1	4	2 007 014 057	0 1151 1	6
2 004 632 026	4 3397 0	275	2 007 014 001	0 1100 1	3	2 007 014 058	0 1150 1	6
2 006 209 241	4 5057 1	151	2 007 014 002	0 1105 1	3	2 007 014 061	0 1156 1	7
2 006 209 242	4 5057 1	151	2 007 014 004	0 1156 1	7	2 007 014 062	0 1147 1	5
2 006 209 249	4 5057 1	151	2 007 014 006	0 1107 1	4	2 007 014 063	0 1148 1	6
2 006 209 331	4 5057 1	151	2 007 014 007	0 1100 1	3	2 007 014 064	0 1132 1	5
2 006 209 332	4 5057 1	151	2 007 014 008	0 1156 1	7	2 007 014 065	0 1149 1	6
2 006 209 425	4 5063 1	152	2 007 014 009	0 1107 1	4	2 007 014 067	0 1155 1	7
2 006 209 431	4 5062 1	152	2 007 014 011	0 1669 1	44	2 007 014 068	0 1149 1	6
2 006 209 449	4 5059 1	151	2 007 014 012	0 1668 1	43	2 007 014 069	0 1150 1	6
2 006 209 452	4 5002 1	146	2 007 014 013	0 1104 1	3	2 007 014 070	0 1156 1	7
2 006 209 458	4 5084 1	153	2 007 014 014	0 1179 1	11	2 007 014 071	0 1164 1	8
2 006 209 465	4 5114 1	154	2 007 014 015	0 1156 1	7	2 007 014 072	0 1170 1	12
2 006 209 466	4 5083 1	153	2 007 014 016	0 1130 1	5	2 007 014 073	0 1168 1	9
2 006 209 469	4 5059 1	151	2 007 014 017	0 1179 1	11	2 007 014 074	0 1156 1	7
2 006 209 470	4 5058 1	151	2 007 014 018	0 1121 1	4	2 007 014 076	0 1168 1	9
2 006 209 471	4 5003 1	146	2 007 014 019	0 1138 1	5	2 007 014 077	0 1171 1	9
2 006 209 476	4 5059 1	151	2 007 014 020	0 1102 1	3	2 007 014 078	0 1136 1	5
2 006 209 477	4 5134 1	155	2 007 014 021	0 1103 1	3	2 007 014 079	0 1172 1	9
2 006 209 483	4 5058 1	151	2 007 014 022	0 1136 1	5	2 007 014 080	0 1176 1	10
2 006 209 485	4 5059 1	151	2 007 014 023	0 1156 1	7	2 007 014 082	0 1174 1	10
2 006 209 492	4 5005 1	146	2 007 014 024	0 1123 1	4	2 007 014 083	0 1180 1	11
2 006 209 494	4 5063 1	152	2 007 014 026	0 1124 1	4	2 007 014 084	0 1194 1	10
2 006 209 495	4 5002 1	146	2 007 014 027	0 1124 1	4	2 007 014 085	0 1171 1	9
2 006 209 501	4 5134 1	155	2 007 014 030	0 1140 1	5	2 008 336 010	7 7377 1	118
2 006 209 504	4 5059 1	151	2 007 014 031	0 1124 1	4	2 008 336 014	7 7193 1	124

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
2 008 336 015	7 7191 1	124	2 339 305 337	4 6127 9	187	6 033 AD0 077	4 5038 1	149
2 137 014 003	0 1100 1	3	2 339 402 117	4 6120 9	187	6 033 AD0 102	4 5150 1	156
2 339 303 201	4 6222 9	195	2 339 402 128	4 6148 9	189	6 033 AD0 130	7 7199 1	80
2 339 303 202	4 6117 9	186	2 339 402 139	4 6227 9	195	6 033 AD0 130	7 7241 1	85
2 339 303 206	4 6222 9	195	2 339 402 143	4 6204 9	192	6 033 AD0 156	7 7241 1	85
2 339 303 211	4 6116 9	186	2 339 402 156	4 6120 9	187	6 033 AD0 156	7 7199 1	80
2 339 303 222	4 6116 9	186	2 339 402 180	4 6120 9	187	6 033 AD0 159	7 7208 1	81
2 339 303 256	4 6191 9	192	2 339 402 220	4 6165 9	190	6 033 AD0 160	7 7208 1	81
2 339 303 258	4 6116 9	186	2 339 402 230	4 6165 9	190	6 033 AD0 161	7 7209 1	82
2 339 303 260	4 6216 9	194	2 339 403 006	4 6169 9	191	6 033 AD0 166	7 7243 1	86
2 339 303 265	4 6116 9	186	2 339 403 009	4 6163 9	190	6 033 AD0 184	4 5039 1	149
2 339 303 294	4 6117 9	186	2 339 403 010	4 6164 9	190	6 033 AD0 200	4 5039 1	149
2 339 303 306	4 6117 9	186	2 339 403 014	4 6187 9	192	6 033 AD0 221	7 7208 1	81
2 339 303 339	4 6116 9	186	2 339 403 506	4 6169 9	191	6 033 AD0 267	4 5141 1	156
2 339 303 351	4 6116 9	186	2 339 403 509	4 6163 9	190	6 033 AD0 312	4 6223 9	195
2 339 303 377	4 6116 9	186	2 33A 403 006	4 6169 9	191	6 033 AD0 368	7 7208 1	81
2 339 303 412	4 6116 9	186	3 130 910 003	8 2260 0	245	6 033 AD0 370	7 7243 1	86
2 339 303 445	4 6152 9	189	3 137 014 100	0 1790 1	67	6 033 AD0 374	7 7243 1	86
2 339 303 722	4 6116 9	186	3 137 014 109	0 1790 1	67	6 033 AD0 380	7 7241 1	85
2 339 303 724	4 6116 9	186	3 137 014 111	0 1787 1	68	6 033 AD0 380	7 7199 1	80
2 339 303 842	4 6196 9	192	3 137 014 123	0 1791 1	67	6 033 AD0 383	7 7199 1	80
2 339 304 001	4 6124 9	187	3 137 014 162	0 1799 1	67	6 033 AD0 383	7 7241 1	85
2 339 304 002	4 6154 9	189	3 137 014 163	0 1791 1	67	6 033 AD0 384	7 7245 1	86
2 339 304 005	4 6173 9	191	3 137 014 164	0 1787 1	68	6 033 AD0 401	7 7208 1	81
2 339 304 007	4 6125 9	187	3 137 014 171	0 1788 1	67	6 033 AD0 404	7 7208 1	81
2 339 304 009	4 6173 9	191	3 137 014 202	0 1789 1	68	6 033 AD0 407	7 7208 1	81
2 339 304 018	4 6154 9	189	6 003 AD0 044	4 5157 1	157	6 033 AD0 409	7 7209 1	82
2 339 304 019	4 6125 9	187	6 003 AD1 113	4 6196 9	192	6 033 AD0 411	7 7209 1	82
2 339 304 020	4 6126 9	187	6 003 AD3 106	4 5141 1	156	6 033 AD0 422	4 5179 1	158
2 339 304 021	4 6154 9	189	6 003 AD5 055	4 5065 1	152	6 033 AD0 442	4 5040 1	150
2 339 304 023	4 6125 9	187	6 003 AD5 078	4 5065 1	152	6 033 AD0 462	4 5040 1	150
2 339 304 025	4 6126 9	187	6 004 4F4 004	4 6132 9	188	6 033 AD0 471	7 7199 1	80
2 339 304 039	4 6154 9	189	6 004 4F4 005	4 6132 9	188	6 033 AD0 471	7 7241 1	85
2 339 304 046	4 6173 9	191	6 004 AF1 027	4 6116 9	186	6 033 AD1 002	4 5038 1	149
2 339 305 014	4 6127 9	187	6 004 AF1 029	4 6116 9	186	6 033 AD1 155	7 7208 1	81
2 339 305 033	4 6170 9	191	6 004 AF4 005	4 6132 9	188	6 033 AD1 244	7 7208 1	81
2 339 305 034	4 6127 9	187	6 033 AC0 093	8 8981 0	253	6 033 AD1 246	7 7208 1	81
2 339 305 040	4 6168 9	190	6 033 AC0 105	8 4099 0	249	6 033 AD1 250	7 7208 1	81
2 339 305 054	4 6127 9	187	6 033 AC0 352	8 4094 0	247	6 033 AD1 252	7 7208 1	81
2 339 305 055	4 6168 9	190	6 033 AC5 149	4 5133 1	155	6 033 AD1 255	7 7209 1	82
2 339 305 076	4 6127 9	187	6 033 AC5 246	4 5133 1	155	6 033 AD1 259	7 7209 1	82
2 339 305 077	4 6168 9	190	6 033 AD 115	4 5107 1	154	6 033 AD1 294	7 7208 1	81
2 339 305 092	4 6167 9	190	6 033 AD0 004	4 5086 1	153	6 033 AD1 311	7 7208 1	81
2 339 305 135	4 6167 9	190	6 033 AD0 014	7 7208 1	81	6 033 AD1 349	7 7208 1	81
2 339 305 324	4 6168 9	190	6 033 AD0 074	4 6196 9	192	6 033 AD1 350	7 7208 1	81



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	BOSCH	IKA	PAGE	BOSCH	IKA	PAGE
6 033 AD1 495	7 7208 1	81	9 001 066 247	4 5183 1	158	9 003 337 009	4 2250 0	220
6 033 AD3 006	4 5040 1	150	9 001 066 248	4 5183 1	158	9 330 041 005	4 6210 9	193
6 033 AD3 022	7 7243 1	86	9 001 066 476	4 5183 1	158	9 330 081 038	4 6210 9	193
6 033 AD3 042	7 7243 1	86	9 001 081 002	4 5061 1	151	9 330 081 039	4 6212 9	194
6 033 AD3 058	7 7243 1	86	9 001 081 010	4 5015 1	147	9 330 081 046	4 6211 9	193
6 033 AD3 078	4 5150 1	156	9 001 081 033	4 5017 1	148	9 330 331 006	4 6189 9	192
6 033 AD3 108	4 5040 1	150	9 001 081 094	7 7125 1	77	9 330 331 010	4 6151 9	189
6 033 AD3 187	7 7243 1	86	9 001 082 166	4 4136 0	231	9 330 331 013	4 6152 9	189
6 033 AD3 244	4 5040 1	150	9 001 140 317	4 5064 1	152	9 330 331 510	4 6151 9	189
6 033 AD3 262	7 7243 1	86	9 001 140 322	4 2206 0	216	9 330 331 513	4 6152 9	189
6 033 AD3 267	7 7243 1	86	9 001 140 322 plastic	4 2205 0	216	9 330 451 071	4 6169 9	191
6 033 AD3 290	7 7243 1	86	9 001 140 322 steel	4 2206 0	216	9 33A 081 039	4 6212 9	194
6 033 AD3 291	7 7243 1	86	9 001 140 347	4 4077 0	230	9 33A 081 046	4 6211 9	193
6 033 AD3 292	7 7243 1	86	9 001 140 384	8 4079 0	246	F 000 AL1 001	4 5173 1	157
6 033 AD3 306	4 2250 0	220	9 001 320 323	4 4062 0	230	F 000 AL1 011	4 4062 0	230
6 033 AD3 327	7 7243 1	86	9 001 338 048	4 2250 0	220	F 000 AL1 013	7 7125 1	77
6 033 AD3 328	7 7243 1	86	9 001 451 343	4 5058 1	151	F 000 AL1 040	4 5061 1	151
6 033 AD3 329	7 7243 1	86	9 001 453 644	0 1174 1	10	F 000 AL1 053	7 7125 1	77
6 033 AD3 330	4 2250 0	220	9 001 454 386	0 1107 1	4	F 000 AL1 054	7 7125 1	77
6 033 AD3 850	4 5040 1	150	9 001 690 111	4 5183 1	158	F 000 AL1 055	7 7125 1	77
6 033 AD4 001	4 5107 1	154	9 002 336 209	4 5157 1	157	F 000 AL1 250	4 5082 1	153
6 033 AD4 016	7 7241 1	85	9 002 336 216	4 5090 1	154	F 000 AL1 326	7 7125 1	77
6 033 AD4 019	4 5039 1	149	9 002 336 236	4 5040 1	150	F 000 AL1 396	7 7125 1	77
6 033 AD4 026	7 7199 1	80	9 002 336 237	4 5039 1	149	F 000 AL1 483	7 7125 1	77
6 033 AD4 026	7 7241 1	85	9 002 336 283	4 5008 1	147	F 000 AL1 514	4 5061 1	151
6 033 AD4 031	4 6204 9	192	9 002 338 850	4 2221 1	218	F 000 AL1 516	4 5061 1	151
6 033 AD4 034	4 5040 1	150	9 003 330 317	4 4093 0	230	F 000 AL1 520	4 5175 1	158
6 033 AD4 054	7 7199 1	80	9 003 330 901	8 4091 0	247	F 000 AL1 532	7 7125 1	77
6 033 AD4 054	7 7241 1	85	9 003 330 902	8 8118 0	249	F 000 AL1 534	4 5061 1	151
6 033 AD4 161	7 7241 1	85	9 003 330 903	8 4099 0	249	F 000 AL1 698	4 5061 1	151
6 033 AD4 161	7 7199 1	80	9 003 331 003	4 2213 0	217	F 000 AL1 700	4 5061 1	151
6 033 AD4 180	7 7199 1	80	9 003 334 155	7 7133 1	78	F 000 AL1 704	4 5015 1	147
6 033 AD4 180	7 7241 1	85	9 003 334 169	7 7231 1	84	F 000 AL1 917	7 7125 1	77
6 033 AD4 194	7 7241 1	85	9 003 334 314	7 7130 1	78	F 000 AL1 918	7 7125 1	77
6 033 AD4 212	7 7241 1	85	9 003 334 341	7 7133 1	78	F 000 AL1 919	7 7125 1	77
6 033 AD5 128	7 7241 1	85	9 003 334 343	7 7130 1	78	F 000 AL1 921	7 7123 1	76
6 033 AD5 158	4 4644 1	261	9 003 334 344	7 7231 1	84	F 000 AL1 934	7 7531 1	95
6 033 AD5 179	7 7241 1	85	9 003 334 350	7 7231 1	84	F 000 AL2 034	7 7125 1	77
6 033 AD5 316	7 7241 1	85	9 003 334 355	7 7130 1	78	F 000 AL2 035	7 7125 1	77
6 033 AD5 320	7 7241 1	85	9 003 334 363	7 7199 1	80	F 000 AL2 036	7 7125 1	77
6 033 AD5 359	4 5105 1	154	9 003 334 363	7 7241 1	85	F 000 AL2 050	7 7123 1	76
6 033 AD6 098	7 7245 1	86	9 003 336 280	4 5157 1	157	F 000 AL2 051	7 7123 1	76
6033AD5139	4 6099 1	276	9 003 336 291	4 5006 1	147	F 000 AL2 052	7 7123 1	76
6033AD5255	4 6099 1	276	9 003 336 293	4 5064 1	152	F 000 AL2 109	7 7125 1	77
9 001 066 242	4 5183 1	158	9 003 337 001	0 1169 1	9	F 000 SH0 102	4 6116 9	186

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

BOSCH	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
F 000 SH0 107	4 6117 9	186	130520	7 7176 1	132	131489	4 5156 1	157
F 000 SH0 108	4 6191 9	192	130523	7 7180 1	133	131503	4 2201 0	215
F 000 SH0 110	4 6205 9	193	130684	7 7114 1	75	131714	4 5000 1	146
F 000 SH0 120	4 6116 9	186	130685	7 7314 1	89	131786	4 6139 9	200
F 000 SH0 133	4 6116 9	186	130688	7 7117 1	75	131791	4 6211 9	193
F 000 SH0 136	4 6116 9	186	130689	7 7117 1	75	131830	4 3521 0	280
F 000 SH0 139	4 6191 9	192	130689	7 7317 1	90	131831	4 3473 0	279
F 000 SH0 152	4 6117 9	186	130691	7 7317 1	90	131832	4 3474 0	279
F 002 G20 430	7 7288 1	87	130691	7 7117 1	75	131833	4 3522 0	281
F 002 G20 517	4 5095 1	154	130738	4 5155 1	170	131992	4 2206 0	216
F 00A SH0 120	4 6116 9	186	130749	4 5131 1	169	131995	4 5006 1	147
F 00A SH0 139	4 6191 9	192	130759	4 5054 1	178	131996	4 5008 1	147
F 042 010 038	4 6115 9	197	130855	4 6137 9	200	131998	4 5064 1	152
F 042 010 270	4 6133 9	188	130939	4 6206 9	193	131999	4 5004 1	177
F 042 010 366	4 6179 9	211	130946	4 5146 1	169	132005	4 5011 1	171
F 042 010 373	4 6131 9	210	130950	4 5058 1	151	132005	4 5009 1	171
F 042 010 517	4 6149 9	204	130968	4 3395 0	275	132011	4 5016 1	171
F 042 010 673	4 6165 9	190	131019	4 5059 1	151	132079	4 5157 1	157
			131056	4 5184 1	176	132090	7 7141 1	122
<b>CARGO</b>	<b>IKA</b>	<b>PAGE</b>	131065	4 5005 1	146	132094	4 6114 9	198
130283	4 3471 0	185	131087	4 5159 1	174	132119	4 5128 1	169
130296	4 6112 9	186	131104	4 5061 1	151	132123	4 2202 0	215
130297	4 6107 9	185	131111	4 5060 1	178	132168	4 5175 1	158
130300	4 6106 9	185	131112	4 6142 9	201	132194	4 5173 1	157
130301	4 6123 9	187	131115	4 6213 9	203	132205	4 5177 1	158
130301	4 6132 9	188	131115	4 6143 9	201	132205Z	4 5177 1	158
130301	4 6148 9	189	131138	4 7148 0	276	132216	4 5007 1	147
130302	4 6133 9	188	131141	4 6208 9	193	132223	4 0739 0	273
130302Z	4 6221 9	195	131143	4 6108 9	186	132228	4 6183 9	202
130303	4 6207 9	193	131171	4 6179 9	211	132258	4 6185 9	191
130304	4 6035 1	185	131184	7 7115 1	75	132285	4 5113 1	165
130305	4 3470 0	185	131185	7 7120 1	76	132294	4 6141 9	188
130305	4 6128 9	188	131207	4 5062 1	152	132303	7 7119 1	75
130317	4 6027 1	275	131247	4 6180 9	200	132306	7 7115 1	75
130377	4 6182 9	202	131248	4 6136 9	200	132361	4 6113 9	186
130409	4 5057 1	151	131271	4 5063 1	152	132363	4 6214 9	194
130414	4 5003 1	146	131344	4 5083 1	153	132472	4 6188 9	204
130445	4 5158 1	165	131346	7 7176 1	132	132475	7 7186 1	127
130452	4 5161 1	166	131352	7 7168 1	132	132559	7 7370 1	118
130452	4 5130 1	165	131433	4 5176 1	158	132563	4 3480 0	280
130452Z	4 5161 1	166	131433Z	4 5176 1	158	132564	4 3523 0	281
130468	4 6210 9	193	131437	4 6184 9	202	132565	4 3524 0	281
130471	4 6145 9	188	131445	4 3370 0	274	132567	4 3531 0	282
130475	4 6109 9	186	131452	4 3397 0	275	132568	4 3525 0	281
130476	4 6212 9	194	131482	7 7180 1	133	132571	4 0778 2	285

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
132576	4 0738 0	273	133478	4 2217 0	218	134790	4 1002 0	285
132604	4 2205 0	216	133505	7 7056 1	277	134791	4 1000 0	285
132702	4 5002 1	146	133506	7 7057 1	277	134824	4 6116 9	186
132710	0 3811 1	257	133531	4 6138 9	200	134842	7 7178 1	132
132808	4 7149 0	276	133533	4 6135 9	210	134842+134843	7 7178 1	132
132812	7 7152 1	137	133554	4 6054 1	185	134842+134843 x4	7 7378 1	134
132821	4 5129 1	169	133556	4 0748 0	273	134859	4 5079 1	167
132852	4 5103 1	165	133557	4 0737 0	273	134866	4 7155 0	286
132872	7 7414 1	119	133566	4 6197 9	202	134868	7 7125 1	77
132873	7 7171 1	117	133596	4 5114 1	154	134875	4 2267 1	221
132874	7 7172 1	117	133599	4 3532 0	282	134937	4 0740 0	273
132942	4 5116 1	159	133601	4 3533 0	282	135004	4 0747 0	273
132976	4 6005 1	206	133602	4 3475 0	279	135015	7 7126 1	77
132977	4 6228 9	212	133605	4 5170 1	163	135015	7 7807 1	112
132977	4 6111 9	209	133635	4 3476 0	279	135056	4 2213 0	217
132995	7 7153 1	137	133644	4 6215 9	194	135065	4 6216 9	194
133035	7 7186 1	127	133646	7 7150 1	136	135077	4 2221 1	218
133045	4 6134 9	198	133647	7 7151 1	136	135078	4 2207 0	216
133049	4 6198 9	204	133653	7 7141 1	122	135079	4 2208 0	216
133057	7 7143 1	122	133730	7 7142 1	122	135080	4 2242 0	219
133078	4 1001 0	285	133749	4 6195 9	199	135083	4 5160 1	181
133166	4 6220 9	212	133750	4 6153 9	198	135086	4 5015 1	147
133182	4 7161 0	284	133886	7 7389 1	130	135091	4 5013 1	162
133197	4 0751 0	284	133897	4 5012 1	177	135235	7 7813 1	113
133230	4 5135 1	155	133954	4 2219 0	226	135299	4 0736 0	273
133338	7 7185 1	127	134009	0 3813 1	257	135383	4 3534 0	283
133339	7 7525 1	130	134032	4 2265 1	221	135384	4 3477 0	279
133340	7 7182 1	127	134035	4 2266 1	221	135385	4 3478 0	279
133341	7 7187 1	128	134064	7 7058 1	277	135389	4 5020 1	177
133342	7 7188 1	128	134103	7 7121 1	76	135390	4 6156 9	210
133362	4 5183 1	158	134104	7 7122 1	76	135390	4 6004 1	206
133371	7 7052 1	276	134160	4 1890 1	257	135390	4 6105 9	209
133372	7 7050 1	276	134371	4 5014 1	147	135422+135423	4 0774 2	285
133390	7 7055 1	277	134434	4 5179 1	158	135467	7 7183 1	127
133398	4 6186 9	191	134513	4 3839 1	285	135515	4 7154 0	286
133403	4 2228 0	224	134516	4 2241 0	219	135526	4 6190 9	192
133421	4 6217 9	194	134548	4 0749 0	273	135565	7 7193 1	124
133422	4 6152 9	189	134642	7 7156 1	137	135604	7 7395 1	126
133424	4 6191 9	192	134658	7 7812 1	112	135635	0 3799 1	268
133466	4 2203 0	215	134659	7 7838 1	116	135636	0 3798 1	268
133467	4 2204 0	216	134659	7 7127 1	77	135716	4 5017 1	148
133468	4 2215 0	218	134660	7 7129 1	77	135717	4 5018 1	167
133470	4 2225 0	219	134660	7 7835 1	115	135718	4 5125 1	162
133471	4 2226 0	219	134661	7 7130 1	78	135720	7 7175 1	132
133477	4 2211 0	217	134681	7 7397 1	126	135771	7 7395 1	126

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
135846	4 1005 0	274	137618	7 7803 1	110	138901	7 7802 1	110
135847	4 1004 0	274	137686	4 6119 9	209	138902	7 7125 1	77
135848	4 1005 0	274	137703	7 7132 1	78	138903	7 7811 1	112
135970	4 2200 0	215	137703	7 7831 1	114	138904	7 7805 1	111
135971	4 2222 0	218	137733	4 5023 1	177	138904	7 7125 1	77
135974	4 5163 1	160	137742	4 1004 0	274	138904	7 7131 1	78
136103	7 7181 1	117	137744	4 1003 0	274	138905	7 7126 1	77
136204	7 7192 1	124	137746	4 1003 0	274	138906	7 7131 1	78
136250	4 3396 0	275	137750	7 7524 1	123	138927	4 3397 0	275
136255	4 6193 9	211	137812	4 2210 0	217	138946	4 5115 1	155
136255	4 6110 9	209	137879	4 6173 9	191	138957	4 6178 9	198
136255	4 6001 1	206	137888	4 5032 1	149	138963	7 7274 1	128
136282	0 3813 1	257	137890	4 5162 1	157	138971	4 6218 9	194
136315	4 5152 1	159	137929	7 7526 1	130	138989	4 2244 0	219
136374	4 3482 0	280	137981	4 5139 1	155	138991	4 2209 0	217
136418	7 7805 1	111	138113	4 5076 1	179	139046	4 3479 0	280
136418	7 7131 1	78	138170	4 6118 9	198	139047	4 3527 0	281
136557	7 7131 1	78	138201	7 7125 1	77	139056	4 5040 1	150
136557	7 7805 1	111	138213	4 2223 0	225	139069	4 6117 9	186
136635	7 7211 1	120	138311	4 6169 9	191	139075	4 6125 9	187
136638	4 2229 0	222	138319	7 7138 1	79	139143	4 2214 0	218
136717	4 6189 9	192	138320	7 7117 1	75	139144	7 7124 1	76
136722	4 5019 1	171	138322	4 5166 1	157	139144	7 7812 1	112
136728	7 7151 1	136	138326	7 7811 1	112	139145	7 7131 1	78
136729	7 7150 1	136	138336	7 7117 1	75	139146	7 7127 1	77
136763	7 7157 1	137	138424	7 7133 1	78	139146	7 7838 1	116
136766	7 7062 1	277	138430	7 7063 1	278	139153	4 5102 1	180
136854	4 5022 1	148	138444	4 6161 9	201	139173	4 2217 0	218
137016	0 3811 1	257	138444	4 6174 9	201	139199	4 2228 0	224
137121	7 7140 1	122	138477	4 6155 9	201	139224	7 7159 1	137
137137	7 7200 1	80	138478	7 7193 1	124	139224	7 7159 2	138
137190	4 6199 9	202	138496	4 6115 9	197	139292	4 3394 0	274
137199	4 5001 1	146	138534	7 7190 1	124	139318	4 5137 1	180
137268	7 7125 1	77	138535	7 7194 1	124	139341	4 5027 1	161
137276	4 6151 9	189	138546	4 5075 1	165	139410	4 5078 1	172
137277	4 5112 1	162	138672	7 7179 1	117	139428	7 7839 1	116
137281Z	4 5180 1	164	138672+140963	7 7179 1	117	139473	4 5026 1	177
137293	4 5181 1	160	138681	4 5153 1	160	139473	4 5097 1	179
137293Z	4 5181 1	160	138683	4 1004 0	274	139476	4 6008 1	207
137399	4 3840 0	286	138850	4 3842 0	286	139476	4 6130 9	210
137443	4 6147 9	189	138851	4 3843 0	286	139478	4 5041 1	177
137480	4 5024 1	148	138877	4 6124 9	187	139494	4 3528 0	282
137481	4 5021 1	148	138899	7 7125 1	77	139495	4 3529 0	282
137483	4 5025 1	148	138900	7 7836 1	115	139503	4 5145 1	156
137613	4 6222 9	195	138900	7 7835 1	115	139505	7 7117 1	75

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
139532	4 3530 0	282	140047	4 4301 0	233	140268	4 4311 0	233
139541	4 5028 1	171	140048	4 4300 0	233	140269	4 4304 0	233
139550	7 7123 1	76	140049	4 4305 0	233	140270	4 4311 0	233
139557	7 7187 1	128	140050	4 4302 0	233	140309	4 4466 0	236
139559	7 7183 1	127	140057	4 4400 0	237	140310	4 4455 0	236
139560	7 7189 1	128	140059	4 4403 0	237	140311	4 4454 0	236
139593	4 3838 1	285	140065	4 4354 0	234	140313	4 4353 0	241
139627	7 7191 1	124	140066	4 4259 0	241	140314	4 4459 0	236
139638	7 7835 1	115	140067	4 4352 0	241	140315	4 4466 0	236
139638	7 7129 1	77	140071	4 4207 0	240	140316	4 4354 0	234
139653	4 5143 1	159	140074	4 4201 0	240	140317	4 4463 0	236
139698	7 7199 1	80	140104	4 4698 1	265	140319	4 4464 0	238
139822	7 7527 1	131	140111	4 4116 0	231	140320	4 4456 0	238
139850	4 5010 1	147	140114	4 4199 0	231	140326	4 4457 0	232
139900	4 5029 1	167	140115	8 8684 0	252	140328	4 4461 0	232
139902	4 5126 1	168	140119	4 4355 0	241	140333	4 4462 0	232
139954	4 5082 1	153	140120	8 8200 0	250	140334	0 1960 1	36
139965	4 6187 9	192	140136	8 4207 0	249	140336	0 1969 1	36
139965	4 6163 9	190	140140	4 4104 0	231	140337	0 1993 1	38
139967	4 6164 9	190	140143	4 4247 0	239	140338	0 1982 1	37
140003	4 4004 0	229	140144	4 4412 0	237	140339	0 1958 1	36
140006	4 4080 0	230	140156	4 4302 0	233	140340	0 1942 1	34
140008	4 4021 0	229	140157	4 4263 0	241	140341	0 1951 1	34
140009	4 4011 0	229	140197	8 8983 0	253	140345	0 1980 1	45
140010	4 4103 0	230	140198	8 8693 0	252	140346	0 1957 1	46
140011	4 4115 0	231	140200	4 4306 0	233	140347	0 1971 1	46
140012	4 4002 0	229	140201	4 4308 0	233	140348	0 1936 1	45
140014	4 4113 0	231	140202	4 4307 0	233	140349	0 1983 1	48
140016	4 4000 0	229	140203	4 4137 0	231	140356	0 1940 1	20
140017	4 4012 0	229	140204	4 4077 0	230	140357	0 1945 1	20
140018	4 4136 0	231	140206	4 4202 0	240	140359	0 1965 1	21
140019	4 4142 0	231	140208	4 4056 0	230	140360	0 1966 1	21
140025	4 4126 0	231	140240	8 8277 0	250	140361	0 1988 1	23
140026	4 4141 0	231	140242	8 4079 0	246	140362	0 1984 1	22
140027	4 4022 0	229	140248	4 4061 0	230	140363	0 1985 1	22
140029	4 4053 0	229	140249	4 4054 0	229	140364	0 1977 1	21
140030	4 4009 0	229	140250	4 4052 0	229	140375	8 8118 0	249
140033	4 4131 0	231	140251	4 4055 0	230	140376	0 1959 1	35
140035	4 4023 0	229	140252	4 4057 0	230	140377	0 1992 1	37
140036	4 4136 0	231	140256	4 4013 0	229	140378	0 1937 1	34
140038	4 4257 0	241	140257	4 4259 0	241	140379	0 1974 1	37
140040	4 4264 0	241	140258	4 4371 0	242	140381	8 8671 0	251
140042	4 4253 0	241	140259	4 4372 0	242	140385	0 1949 1	45
140043	4 4265 0	241	140261	4 4144 0	231	140386	0 1957 1	46
140046	4 4304 0	233	140264	4 4260 0	241	140387	0 1994 1	48

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
140388	0 1972 1	47	140591	0 1971 1	46	140756	4 4243 0	239
140391	0 1949 1	45	140595	0 1992 1	37	140757	4 4240 0	239
140393	0 1935 1	20	140597	0 1934 1	34	140758	4 4241 0	239
140396	0 1991 1	23	140600	0 1255 1	55	140770	0 1997 1	22
140397	4 4244 0	239	140602	0 1938 1	20	140780	0 1961 1	35
140404	4 4205 0	240	140603	0 1613 1	39	140781	0 1950 1	36
140423	4 4062 0	230	140614	4 4315 0	233	140782	4 4066 0	230
140428	4 4458 0	238	140615	4 4503 0	242	140785	0 1961 1	35
140429	4 4465 0	238	140617	8 2260 0	245	140786	0 1961 1	35
140430	4 4470 0	238	140619	8 2258 0	245	140807	8 4097 0	248
140436	4 4304 0	233	140620	8 2256 0	245	140808	0 1779 1	59
140457	8 8986 0	253	140647	0 1963 1	21	140811	0 1250 1	53
140464	4 4351 0	241	140653	4 4312 0	233	140812	0 1251 1	53
140468	8 8673 0	251	140654	4 4313 0	233	140815	0 1295 1	53
140473	4 4654 1	269	140656	4 4411 0	237	140827	4 4671 1	266
140482	8 4096 0	248	140657	4 4414 0	237	140840	0 1746 1	57
140483	8 4098 0	249	140658	4 4409 0	237	140841	0 1979 1	50
140494	8 8981 0	253	140659	4 4410 0	237	140842	4 4056 0	230
140495	8 8829 0	253	140665	4 4418 0	237	140845	0 1527 1	32
140496	4 4501 0	242	140667	4 4351 0	241	140850	4 4082 0	230
140497	4 4503 0	242	140671	4 4364 0	242	140851	0 1750 1	57
140498	4 4502 0	242	140676	4 4363 0	242	140852	0 1948 1	35
140499	4 4504 0	242	140680	4 4361 0	241	140853	4 4032 0	229
140500	4 4123 0	231	140684	4 4351 0	241	140854	4 4009 0	229
140501	4 4350 0	241	140688	4 4415 0	237	140855	4 4080 0	230
140503	8 8672 0	251	140691	4 4248 0	239	140856	4 4062 0	230
140510	0 1611 1	41	140706	0 1987 1	50	140857	4 4009 0	229
140511	0 1611 1	41	140708	0 1990 1	48	140858	4 4123 0	231
140512	0 1607 1	41	140709	0 1971 1	46	140859	4 4141 0	231
140514	8 8305 0	250	140710	4 4313 0	233	140866	4 4106 0	231
140526	4 4656 1	269	140711	4 4057 0	230	140867	4 4144 0	231
140531	4 4662 1	270	140717	8 8275 0	250	140870	4 4485 0	236
140533	4 4674 1	270	140729	4 4380 0	242	140876	8 8161 0	250
140536	4 4659 1	270	140730	4 4453 0	238	140885	0 1996 1	20
140537	4 4658 1	269	140731	4 4484 0	238	140896	0 1624 1	41
140540	4 4657 1	269	140732	0 1254 1	55	140897	0 1623 1	41
140541	4 4653 1	269	140733	8 8987 0	253	140903	8 4091 0	247
140549	0 1254 1	55	140734	4 4506 0	242	140904	8 4099 0	249
140555	4 4464 0	238	140735	4 4505 0	242	140916	4 4452 0	238
140556	0 1970 1	46	140738	8 8314 0	250	140919	8 4097 0	248
140559	0 1953 1	45	140740	0 1962 1	21	140920	8 8681 0	252
140560	0 1954 1	45	140745	4 4081 0	230	140921	0 1941 1	45
140561	0 1976 1	46	140750	8 8683 0	252	140922	0 1964 1	35
140563	4 4005 0	229	140751	8 8674 0	252	140927	4 4443 0	236
140567	0 1975 1	37	140755	0 1252 1	55	140928	4 4057 0	230

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
140929	4 4072 0	230	141094	0 1480 1	29	142324	0 1149 1	6
140932	0 1984 1	22	141095	4 4066 0	230	142325	0 1169 1	9
140932	0 1986 1	22	141096	4 4057 0	230	142326	0 1148 1	6
140933	0 1961 1	35	141098	0 1167 1	8	142327	0 1172 1	9
140934	0 1961 1	35	141098	0 1214 1	16	142328	0 1174 1	10
140934	0 1319 1	35	141099	4 4057 0	230	142331	0 1953 1	45
140935	8 8675 0	252	141118	4 4054 0	229	142332	0 1217 1	14
140943	0 1253 1	55	141119	4 4056 0	230	142333	0 1964 1	35
140947	4 4316 0	233	141160	4 4502 0	242	142334	0 1158 1	7
140952	4 4507 0	242	141168	8 2269 0	246	142335	0 1165 1	8
140953	0 1948 1	35	141186	0 1527 1	32	142336	0 1216 1	15
140955	0 1530 1	32	141187	0 1528 1	32	142337	0 1175 1	10
140961	0 1997 1	22	141188	0 1528 1	32	142338	0 1187 1	12
140963	0 1955 1	20	141189	0 1973 1	47	142339	0 1124 1	4
140966	0 1941 1	45	141190	0 1272 1	56	142340	0 1125 1	4
140971	8 4092 0	247	141194	0 1088 1	10	142344	0 1608 1	39
140972	8 8665 0	251	141209	8 4208 0	249	142345	0 1770 1	58
140975	0 1529 1	32	141223	0 1988 1	23	142346	0 3778 1	60
140976	0 1977 1	21	141224	0 1998 1	42	142348	0 1524 1	32
140978	0 1669 1	44	141230	0 1524 1	32	142350	0 1932 1	49
140979	0 1668 1	43	141230	0 1523 1	33	142351	0 1754 1	60
140981	0 1670 1	44	141245	0 1999 1	49	1632	4 5136 1	180
140982	0 1669 1	44	141246	0 1979 1	50	2144	4 5140 1	156
140984	4 4071 0	230	141248	0 1529 1	32	230020	4 3844 0	286
140986	0 1950 1	36	141249	4 4509 0	232	230073	4 5037 1	176
140987	4 4272 0	235	141253	0 1999 1	49	230144	4 5134 1	155
140988	4 4093 0	230	141253	0 1941 1	45	230182	7 7822 1	113
140990	4 4198 0	231	141256	8 4209 0	249	230221	4 3483 0	280
140991	4 4273 0	235	141258	0 1933 1	23	230250	4 3836 1	285
141001	8 8668 0	251	141259	0 1922 1	49	230330	0 3879 1	257
141007	8 8663 0	251	141267	0 1921 1	23	230351	4 5090 1	154
141015	8 8664 0	251	141273	0 1995 1	48	230356	4 6154 9	189
141017	4 4318 0	233	142001	8 4090 0	247	230391	7 7263 1	133
141023	0 1978 1	34	142003	8 8677 0	252	230396	7 7169 1	132
141030	0 1165 1	8	142006	0 1932 1	49	230573	4 5026 1	177
141036	0 1183 1	11	142019	8 8989 0	253	230741	7 7261 1	120
141040	8 4094 0	247	142031	0 1933 1	23	230744	4 3526 0	281
141045	0 1273 1	56	142039	0 1941 1	45	230788	4 6150 9	204
141054	8 4095 0	247	142040	0 1491 1	30	230809	4 6203 9	203
141067	0 1747 1	57	142041	4 4264 0	241	230828	4 5031 1	148
141070	0 1194 1	10	142056	0 1999 1	49	230834	4 5033 1	149
141082	4 4444 0	236	142066	0 1493 1	30	230835	4 5035 1	149
141083	0 1800 1	69	142077	0 1937 1	34	230843	7 7136 1	79
141084	8 4094 0	247	142086	0 1033 1	17	230846	4 3393 0	274
141090	8 4210 0	249	142320	0 1124 1	4	230848	4 6126 9	187

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
230875	4 5163 1	160	233720	4 5042 1	150	235440	4 5051 1	150
230904	4 6120 9	187	233723	4 5141 1	156	235459	7 7205 1	81
231084	7 7137 1	79	233830	4 5044 1	161	235529	7 7506 1	91
231093	4 5099 1	180	233835	4 5038 1	149	235531	7 7202 1	80
231223	4 6204 9	192	233836	4 5086 1	153	235535	4 6127 9	187
231341	4 5142 1	173	233836Z	4 5086 1	153	235712	7 7632 1	135
231371	4 5030 1	171	233840	4 5095 1	154	235724	7 7125 1	77
231414	4 5118 1	168	234062	7 7215 1	120	235741	7 7229 1	83
231415	4 5034 1	172	234118	7 7136 1	79	235742	7 7135 1	79
231478	4 5117 1	168	234119	7 7147 1	136	235745	7 7241 1	85
231479	4 6201 9	202	234124	4 5047 1	150	235832	7 7509 1	92
231610	4 6003 1	206	234126	7 7234 1	84	235883	7 7208 1	81
231610	4 6162 9	211	234141	4 5101 1	154	236066	4 5163 1	160
231648	7 7208 1	81	234247	4 5046 1	150	236270	4 5154 1	181
231653	4 6223 9	195	234388	4 6159 9	210	236375	4 5077 1	153
231709	4 0752 0	273	234462	4 2224 0	223	236413	0 1941 1	45
231711	4 6227 9	195	234475	7 7124 1	76	236609	4 5096 1	179
231751	4 2250 0	220	234475	7 7812 1	112	236626	4 6226 9	212
231756	4 5039 1	149	234535	4 5048 1	150	236797	4 5053 1	178
231789	4 5049 1	176	234733	4 6158 9	190	236801	4 6225 9	212
231795	4 5167 1	162	234774	4 5089 1	172	236867	7 7542 1	99
231807	4 6176 9	205	234788	7 7138 1	79	236918	0 1941 1	45
231808	4 6177 9	205	234811	7 7528 1	131	237366	7 7293 1	89
231841	7 7165 1	138	234819	4 5071 1	179	237540	7 7606 1	119
231899	4 5093 1	167	234860	4 6172 9	196	237667	4 5066 1	152
231932	4 5043 1	178	234896	7 7203 1	80	237670	7 7288 1	87
231975	4 6140 9	188	234918	4 5045 1	178	237752	4 5065 1	152
231981	4 6149 9	204	234946	4 5144 1	156	237753	4 6165 9	190
231996	4 6144 9	198	234947	7 7243 1	86	237769	4 5133 1	155
232012	4 6131 9	210	234956	4 2248 0	222	237851	7 7632 1	135
232012	4 6192 9	211	234996	4 5120 1	180	237859	7 7628 1	131
232173	4 0750 0	273	235024	7 7534 1	96	237887	0 1491 1	30
232183	7 7804 1	111	235065	7 7213 1	120	237977	4 6224 9	196
232229	4 5119 1	173	235072	7 7537 1	97	238193	4 6171 9	211
232623	4 5036 1	149	235090	7 7539 1	98	239080	4 5186 1	170
232700	7 7234 1	84	235091	7 7541 1	99	239116	7 7245 1	86
232968	7 7263 1	133	235106	4 6194 9	211	239731	7 7146 1	136
233331	4 5094 1	168	235193	4 5123 1	159	239781	7 7508 1	92
233374	4 3481 0	280	235199	4 5121 1	161	239823	4 6166 9	204
233451	4 5185 1	160	235214	7 7275 1	128	330181	7 7634 1	131
233462	4 2245 0	223	235281	7 7123 1	76	330265	4 5127 1	155
233497	4 2246 0	220	235383	4 6175 9	201	330452	4 5182 1	181
233565	7 7803 1	110	235390	7 7633 1	139	330495	7 7291 1	88
233578	4 6196 9	192	235401	7 7504 1	91	330531	7 7239 1	85
233592	4 2218 0	226	235406	7 7237 1	85	330533	4 5108 1	180



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
331821	7 7124 1	76	333293	7 7120 1	76	333595	7 7835 1	115
331821	7 7812 1	112	333294	7 7805 1	111	333595	7 7838 1	116
331961	0 1933 1	23	333294	7 7125 1	77	333607	7 7520 1	94
331981	4 4510 0	232	333295	7 7125 1	77	333608	7 7508 1	92
331995	7 7529 1	95	333296	7 7812 1	112	333614	7 7812 1	112
332070	7 7290 1	88	333297	7 7123 1	76	333614	7 7124 1	76
332130	0 1933 1	23	333298	7 7122 1	76	333620	7 7243 1	86
332153	4 6167 9	190	333299	7 7136 1	79	333635	7 7120 1	76
332155	7 7520 1	94	333300	7 7199 1	80	333636	7 7187 1	128
332362	0 1923 1	23	333300	7 7241 1	85	333637	7 7188 1	128
332369	4 5109 1	159	333301	7 7125 1	77	333638	7 7121 1	76
332665	7 7606 1	119	333302	7 7803 1	110	333639	7 7812 1	112
333093	7 7519 1	94	333303	7 7838 1	116	333640	7 7838 1	116
333123	7 7227 1	83	333303	7 7127 1	77	333640	7 7127 1	77
333124	7 7540 1	98	333304	7 7504 1	91	333641	7 7835 1	115
333127	4 5050 1	172	333305	7 7132 1	78	333642	7 7130 1	78
333171	4 5047 1	150	333305	7 7831 1	114	333643	7 7125 1	77
333172	4 5176 1	158	333306	7 7833 1	114	333644	7 7807 1	112
333181	4 5162 1	157	333307	7 7135 1	79	333645	7 7805 1	111
333182	4 5077 1	153	333317	7 7602 1	138	333646	7 7157 1	137
333185	4 5039 1	149	333356	7 7536 1	96	333647	7 7140 1	122
333186	4 5051 1	150	333414	7 7288 1	87	333648	7 7159 1	137
333191	4 5025 1	148	333415	7 7542 1	99	333648	7 7159 2	138
333195	4 5048 1	150	333422	7 7264 1	133	333649	7 7123 1	76
333196	4 5177 1	158	333425	7 7504 1	91	333650	7 7241 1	85
333198	4 5172 1	157	333497	7 7115 1	75	333651	7 7261 1	120
333201	4 5183 1	158	333499	7 7508 1	92	333652	7 7136 1	79
333208	4 5082 1	153	333501	4 5150 1	156	333653	7 7208 1	81
333214	4 5166 1	157	333536	7 7520 1	94	333654	7 7147 1	136
333285	7 7812 1	112	333538	7 7812 1	112	333655	7 7203 1	80
333285	7 7124 1	76	333538	7 7124 1	76	333656	7 7275 1	128
333286	7 7805 1	111	333539	7 7813 1	113	333657	7 7229 1	83
333286	7 7806 1	112	333539	7 7814 1	113	333658	7 7241 1	85
333286	7 7131 1	78	333552	7 7227 1	83	333659	7 7293 1	89
333287	7 7807 1	112	333559	7 7836 1	115	333660	7 7290 1	88
333287	7 7126 1	77	333559	7 7129 1	77	333667	7 7157 1	137
333288	7 7839 1	116	333559	7 7835 1	115	333690	7 7836 1	115
333289	7 7831 1	114	333566	7 7509 1	92	333690	7 7835 1	115
333289	7 7132 1	78	333567	7 7124 1	76	333691	7 7839 1	116
333289	7 7832 1	114	333567	7 7812 1	112	333753	4 5185 1	160
333290	7 7125 1	77	333570	7 7812 1	112	333830	4 6099 1	276
333291	7 7129 1	77	333574	7 7243 1	86	333839	4 6146 9	189
333291	7 7835 1	115	333576	7 7836 1	115	333857	4 5182 1	181
333291	7 7837 1	116	333584	7 7125 1	77	333864	4 5154 1	181
333292	7 7202 1	80	333593	4 5086 1	153	333923	7 7286 1	87

# VERGLEICHSLISTE CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	CARGO	IKA	PAGE
333967	7 7234 1	84	BSX151S4	0 1158 1	7	iksx10-114	0 1668 1	43
333968	7 7822 1	113	BSX1554	0 1164 1	8	IKSX124	0 1669 1	44
333969	7 7804 1	111	BSX157-1584	0 1165 1	8	IKSX13-144	0 1165 1	8
333970	7 7288 1	87	BSX159-1604	0 1166 1	8	JSX134	0 1457 1	25
333971	7 7135 1	79	BSX163-1644	0 1168 1	9	JSX162	0 1459 1	25
333983	7 7834 1	114	BSX1654	0 1169 1	9	JSX194	0 1462 1	25
333994	4 6168 9	190	BSX1664	0 1173 1	9	JSX21-22	0 1464 1	26
333995	4 6170 9	191	BSX170-1714	0 1171 1	9	JSX23-24-28	0 1466 1	26
334084	0 1758 1	63	BSX172-173-1744	0 1194 1	10	JSX29-302	0 1469 1	26
335007	7 7181 1	117	BSX172-1734	0 1172 1	9	JSX31-32	0 1470 1	26
335009	7 7602 1	138	BSX175-1764	0 1175 1	10	JSX33-344	0 1471 1	27
335176	7 7127 1	77	BSX1774	0 1174 1	10	JSX35-364	0 1472 1	27
335176	7 7237 1	85	BSX178-1794	0 1176 1	10	JSX35-374	0 1473 1	27
335205	7 7221 1	82	BSX186-1874	0 1180 1	11	JSX38-39-403	0 1474 1	27
335206	7 7523 1	94	BSX190-1914	0 1183 1	11	JSX38-412	0 1475 1	27
335207	7 7285 1	87	BSX192-1934	0 1184 1	11	JSX40-46-474	0 1477 1	28
335208	7 7522 1	94	BSX194-1954	0 1186 1	11	JSX43-45-444	0 1478 1	28
335211	7 7812 1	112	BSX1964	0 1187 1	12	JSX51-522	0 1480 1	29
335212	7 7230 1	83	BSX1974	0 1170 1	12	JSX51-52-593	0 1485 1	29
335213	7 7224 1	83	BSX202-2034	0 1178 1	12	JSX51-52-634	0 1486 1	29
335221	7 7520 1	94	BSX204-2054	0 1197 1	12	JSX52	0 1451 1	25
335222	7 7831 1	114	BSX206-2074	0 1033 1	17	JSX53-54	0 1481 1	29
ASX194	0 1615 1	39	BSX208-2094	0 1096 1	14	JSX61-62-634	0 1487 1	29
BSX1004	0 1136 1	5	BSX210-2114	0 1091 1	13	JSX70-713	0 1490 1	30
BSX1014	0 1151 1	6	BSX212-2134	0 1092 1	13	JSX72-734	0 1491 1	30
BSX1024	0 1138 1	5	BSX214-2154	0 1214 1	16	JSX74-75-76-774	0 1492 1	30
BSX1034	0 1179 1	11	BSX216-2174	0 1094 1	13	JSX94	0 1454 1	25
BSX1042	0 1140 1	5	BSX218-2194	0 1095 1	13	LASX15-164	0 1608 1	39
BSX1044	0 1125 1	4	BSX344	0 1103 1	3	LASX15-274	0 1609 1	39
bsx106f4	0 1125 1	4	BSX354	0 1104 1	3	LASX314	0 1614 1	39
BSX121F4	0 1121 1	4	BSX434	0 1106 1	3	LASX364	0 1615 1	39
BSX124	0 1100 1	3	BSX444	0 1107 1	4	LASX40-412p	0 1617 1	39
BSX124F4	0 1125 1	4	BSX494	0 1125 1	4	LASX424	0 1618 1	40
BSX128F4	0 1124 1	4	BSX524	0 1123 1	4	LASX43-442	0 1619 1	40
bsx132f4	0 1125 1	4	BSX704	0 1121 1	4	LASX44-452P	0 1620 1	40
BSX134-1444	0 1147 1	5	BSX744	0 1123 1	4	LASX73-412/1p	0 1621 1	41
BSX135-1454	0 1148 1	6	BSX754	0 1124 1	4	MASX13-144	0 1663 1	43
BSX137-1434	0 1149 1	6	BSX764	0 1125 1	4	MASX15-164	0 1664 1	43
BSX138-1424	0 1150 1	6	BSX784	0 1124 1	4	MASX17-184	0 1665 1	43
BSX1394	0 1151 1	6	BSX934	0 1130 1	5	MASX19-204	0 1666 1	43
BSX1404	0 1152 1	6	BSX964	0 1132 1	5	MASX21-224	0 1668 1	43
BSX1464	0 1154 1	6	BSX97F4	0 1151 1	6	MASX23-244	0 1669 1	44
BSX1474	0 1155 1	7	BSX98F4	0 1124 1	4	MASX25-264	0 1670 1	44
BSX1484	0 1156 1	7	FX74-783	0 1522 1	32	MASX27-284	0 1671 1	44
BSX1494	0 1157 1	7	FX76-774	0 1523 1	33	PLSX2	0 1100 1	3

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

CARGO	IKA	PAGE	CARGO	IKA	PAGE	DENSO	IKA	PAGE
PLSX24	0 1100 1	3	RX1204	0 1251 1	53	028099-2820	4 3531 0	282
PLSX34	0 1690 1	51	RX1214	0 1286 1	52	028099-2921	4 3525 0	281
PLSX44	0 1691 1	51	RX1224	0 1280 1	53	028099-3000	4 3529 0	282
PLSX54	0 1689 1	51	RX122H4	0 1256 1	53	028099-3001	4 3529 0	282
PSX108-1092	0 1760 1	58	RX1246	0 1281 1	54	028099-3010	4 3525 0	281
PSX1124	0 1755 1	57	RX124H6	0 1257 1	54	028099-3020	4 3525 0	281
PSX115-1162	0 1757 1	58	RX128H6	0 1281 1	54	028099-3030	4 3531 0	282
PSX119-1202	0 1760 1	58	RX1344	0 1282 1	54	028099-3031	4 3531 0	282
PSX1254	0 1746 1	57	RX134H4	0 1259 1	54	028099-3040	4 3529 0	282
PSX1292/1P	0 1766 1	58	RX1354	0 1283 1	55	028099-3041	4 3529 0	282
PSX1304	0 1766 1	58	RX135H4	0 1260 1	55	028099-3160	4 3524 0	281
PSX1324	0 1769 1	58	RX1364	0 1259 1	54	028099-3390	4 3525 0	281
PSX1332	0 1770 1	58	RX1374	0 1260 1	55	028099-3399	4 3525 0	281
PSX133K2	0 1763 1	59	RX604	0 1284 1	52	028099-3430	0 1991 1	23
PSX136-1374	0 1771 1	59	RX874	0 1287 1	52	028099-3510	0 1985 1	22
PSX138-1392	0 1775 1	59	RX954	0 1288 1	52	028099-3550	0 1977 1	21
PSX140-1414	0 1776 1	59	USX50-512	0 1354 1	65	028099-3560	0 1988 1	23
PSX142-1434	0 1779 1	59	USX50-514	0 1354 1	65	028099-3570	0 1988 1	23
PSX142-1444	0 1752 1	59	USX64-652	0 1355 1	65	028099-3780	4 3523 0	281
PSX144-145K	0 3778 1	60	USX682	0 1355 1	65	028099-3781	4 3523 0	281
PSX146-147K	0 3777 1	60	USX73-852	0 1361 1	65	028099-3860	4 3531 0	282
PSX148-157K	0 3779 1	61	USX76-77-784	0 1355 1	65	028099-3950	0 1984 1	22
PSX148-158K	0 3780 1	61	USX91-922	0 1367 1	65	028099-3950	0 1991 1	23
PSX148-159K	0 3781 1	61				028099-3980	0 1963 1	21
PSX152-1538	0 1780 1	62	<b>DENSO</b>	<b>IKA</b>	<b>PAGE</b>	028099-5450	0 1938 1	20
PSX1554	0 1728 1	62	021660-0440	4 3481 0	280	028099-6180	0 1962 1	21
PSX1564	0 1726 1	62	023740-0200	0 1997 1	22	028099-6420	4 3526 0	281
PSX1584	0 1752 1	59	023740-0210	0 1997 1	22	028099-6430	4 3526 0	281
PSX160 4	0 1735 1	62	023801-0080	4 5163 1	160	028099-6431	4 3526 0	281
PSX160-1644	0 1735 1	62	023801-0190	4 5163 1	160	028099-6432	4 3526 0	281
PSX1614	0 1737 1	62	028017-19500	4 3521 0	280	028099-6433	4 3526 0	281
PSX163-1644	0 1735 1	62	028017-19502	4 3473 0	279	028099-6600	4 3534 0	283
PSX166-1674	0 1743 1	63	028017-19511	4 3522 0	281	028099-6820	4 3525 0	281
PSX168-1674	0 1743 1	63	028017-19512	4 3474 0	279	028099-6890	4 3526 0	281
PSX168-1674	0 1744 1	63	028099-0770	0 1984 1	22	028099-7100	4 3523 0	281
PSX169-1704	0 1745 1	63	028099-2620	0 1984 1	22	028099-7120	4 3523 0	281
PSX54-692	0 1769 1	58	028099-2628	0 1984 1	22	028099-7140	4 3523 0	281
PSX64-702	0 1742 1	57	028099-2670	0 1984 1	22	028099-7202	4 3528 0	282
PSX77-784	0 1759 1	58	028099-2680	4 3531 0	282	028099-7210	4 3478 0	279
PSX81-824	0 1746 1	57	028099-2690	4 3533 0	282	028099-7212	4 3478 0	279
PSX83-844	0 1750 1	57	028099-2691	4 3533 0	282	028099-7220	4 3525 0	281
PSX884	0 1756 1	57	028099-2700	4 5181 1	160	028099-7230	4 3477 0	279
RX1034	0 1256 1	53	028099-2770	0 1984 1	22	028099-7231	4 3478 0	279
RX1044	0 1280 1	53	028099-2790	4 3523 0	281	028099-7240	4 3479 0	280
RX1202	0 1250 1	53	028099-2791	4 3523 0	281	028099-7242	4 3479 0	280

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

DENSO	IKA	PAGE	DENSO	IKA	PAGE	DENSO	IKA	PAGE
028099-7750	4 3530 0	282	028510-0750	0 1986 1	22	028531-8791	0 1452 1	30
028099-7751	4 3530 0	282	028510-0750	7 7214 1	117	028531-8801	0 1452 1	30
028099-7752	4 3530 0	282	028510-0760	0 1963 1	21	028531-9380	0 1463 1	31
028099-7800	4 3528 0	282	028510-0830	0 1984 1	22	028531-9390	0 1463 1	31
028099-7812	4 3528 0	282	028510-0840	7 7171 1	117	028531-9400	0 1463 1	31
028099-8672	4 3531 0	282	028510-0880	7 7179 1	117	028531-9410	0 1463 1	31
028099-8701	4 3531 0	282	028510-5190	7 7181 1	117	028531-9420	0 1465 1	31
028099-8960	4 3530 0	282	028510-5190	7 7381 1	118	028531-9430	0 1465 1	31
028099-8961	4 3530 0	282	028510-5320	7 7214 1	117	028531-9440	0 1465 1	31
028099-9130	4 3477 0	279	028510-5320	0 1984 1	22	028531-9450	0 1465 1	31
028099-9131	4 3477 0	279	028510-5350	0 1984 1	22	053660-0401	4 3480 0	280
028300-1730	4 5116 1	159	028510-5390	7 7172 1	117	053660-0402	4 3480 0	280
028300-1810	4 5152 1	159	028510-5420	0 1984 1	22	053660-0441	4 3481 0	280
028300-1811	4 5152 1	159	028510-5500	7 7171 1	117	053660-0442	4 3481 0	280
028300-1812	4 5152 1	159	028510-6410	7 7377 1	118	053660-0443	4 3481 0	280
028300-2011	4 5116 1	159	028510-6421	7 7377 1	118	053660-0660	4 3481 0	280
028300-2012	4 5116 1	159	028510-6440	7 7377 1	118	053660-7100	4 3480 0	280
028300-2017	4 5116 1	159	028510-6490	7 7377 1	118	053660-7111	4 3481 0	280
028300-3690	4 5185 1	160	028520-1090	0 1955 1	20	053660-7120	4 3482 0	280
028300-3691	4 5185 1	160	028530-0480	0 1935 1	20	053660-7121	4 3482 0	280
028300-3950	4 5185 1	160	028530-0932	0 1943 1	70	053660-7170	4 3481 0	280
028300-3952	4 5116 1	159	028530-1020	0 1943 1	70	053660-7221	4 3482 0	280
028300-4550	4 5116 1	159	028530-1030	0 1943 1	70	053660-7240	4 3483 0	280
028300-4551	4 5116 1	159	028530-1100	0 1955 1	20	053660-7241	4 3483 0	280
028300-5090	4 5116 1	159	028531-0110	0 1940 1	20	053660-7250	4 3480 0	280
028300-5091	4 5116 1	159	028531-0300	0 1945 1	20	053660-7260	4 3480 0	280
028300-5380	4 5153 1	160	028531-0350	0 1965 1	21	053660-7710	4 3480 0	280
028300-5381	4 5153 1	160	028531-0380	0 1966 1	21	053680-7120	4 3482 0	280
028300-5450	4 5185 1	160	028531-0450	0 1984 1	22	128099-3170	4 3532 0	282
028300-6690	4 5185 1	160	028531-0480	0 1966 1	21	128099-5240	4 3527 0	281
028300-6691	4 5185 1	160	028531-0490	0 1966 1	21	128099-5241	4 3527 0	281
028300-6692	4 5185 1	160	028531-0632	0 1988 1	23	128099-6311	7 7606 1	119
028300-7700	4 5143 1	159	028531-0680	0 1985 1	22	128099-6312	7 7606 1	119
028300-7790	4 5143 1	159	028531-0720	0 1991 1	23	128099-6660	7 7606 1	119
028300-8150	4 5143 1	159	028531-0730	0 1991 1	23	28531-3510	0 1985 1	22
028301-0010	4 5163 1	160	028531-0840	0 1977 1	21	28531-6390	0 1492 1	30
028403-0081	4 4457 0	232	028531-0946	0 1984 1	22	28531-6400	0 1492 1	30
028403-0082	4 4457 0	232	028531-5050	0 1939 1	21	28531-6410	0 1492 1	30
028510-0441	0 1984 1	22	028531-5650	0 1988 1	23	28531-6420	0 1492 1	30
028510-0460	0 1991 1	23	028531-5651	0 1988 1	23	428000-0680	4 6224 9	196
028510-0500	7 7172 1	117	028531-6870	0 1490 1	30	53660-0402	4 3480 0	280
028510-0580	0 1984 1	22	028531-6880	0 1490 1	30	949103-0390	4 4461 0	232
028510-0590	0 1984 1	22	028531-7331	0 1491 1	30	949103-3160	4 4462 0	232
028510-0640	7 7171 1	117	028531-7331	0 1493 1	30	MS428000-0670	4 6209 9	196
028510-0660	0 1991 1	23	028531-7340	0 1491 1	30	NIP020CU	4 5168 1	160

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE
			BSX 186-187	0 1180 1	11	JA-SX 24-25	0 1979 1	50
BSX 12	0 1100 1	3	BSX 190-191	0 1183 1	11	JA-SX 26-27	0 1978 1	34
BSX 33	0 1102 1	3	BSX 192-193	0 1184 1	11	JA-SX 29	0 1949 1	45
BSX 34	0 1103 1	3	BSX 194-195	0 1186 1	11	JA-SX 31	0 1952 1	34
BSX 35	0 1104 1	3	BSX 196	0 1187 1	12	JA-SX 32-33	0 1951 1	34
BSX 39	0 1105 1	3	BSX 197	0 1170 1	12	JA-SX 34-30	0 1934 1	34
BSX 43 (4)	0 1106 1	3	BSX 200-201	0 1188 1	12	JA-SX 35	0 1935 1	20
BSX 44 (4)	0 1107 1	4	BSX 202-203	0 1178 1	12	JA-SX 36-37	0 1937 1	34
BSX 70	0 1121 1	4	BSX 204-205	0 1197 1	12	JA-SX 38	0 1936 1	45
BSX 74	0 1123 1	4	BSX 210-211	0 1091 1	13	JA-SX 39	0 1938 1	20
BSX 75	0 1124 1	4	BSX 212-213	0 1092 1	13	JA-SX 39 C	0 1939 1	21
BSX 76	0 1125 1	4	BSX 216-217	0 1094 1	13	JA-SX 40-41	0 1953 1	45
BSX 93	0 1130 1	5	BSX 218-219	0 1095 1	13	JA-SX 42-43	0 1954 1	45
BSX 96	0 1132 1	5	BSX 220-221	0 1096 1	14	JA-SX 44-28	0 1941 1	45
BSX 100	0 1136 1	5	BSX 222-223	0 1220 1	14	JA-SX 45-46	0 1956 1	46
BSX 102	0 1138 1	5	FX 70-71	0 1527 1	32	JA-SX 47-48	0 1957 1	46
BSX 104 (2)	0 1140 1	5	FX 70-72	0 1528 1	32	JA-SX 49-61	0 1948 1	35
BSX 134-144	0 1147 1	5	FX 73	0 1529 1	32	JA-SX 50-51	0 1961 1	35
BSX 135-145	0 1148 1	6	FX 74	0 1530 1	32	JA-SX 52	0 1962 1	21
BSX 137-143	0 1149 1	6	FX 74-78	0 1522 1	32	JA-SX 53	0 1963 1	21
BSX 138-142	0 1150 1	6	FX 75	0 1524 1	32	JA-SX 54-55	0 1964 1	35
BSX 139	0 1151 1	6	FX 76-77	0 1523 1	33	JA-SX 56-3	0 1959 1	35
BSX 140	0 1152 1	6	HPIX 1 mot. directio	0 1800 1	69	JA-SX 56-3/0	0 1958 1	36
BSX 146	0 1154 1	6	HPIX 3	0 1802 1	69	JA-SX 57-58	0 1960 1	36
BSX 147	0 1155 1	7	HX 3	0 1795 1	66	JA-SX 59-60	0 1950 1	36
BSX 148	0 1156 1	7	HX 6 (2)	0 1785 1	66	JA-SX 62	0 1965 1	21
BSX 149	0 1157 1	7	HX 16	0 1794 1	66	JA-SX 63	0 1966 1	21
BSX 151	0 1158 1	7	HX 26	0 1796 1	66	JA-SX 64-65-67	0 1968 1	36
BSX 151/0	0 1159 1	7	HX 54	0 1793 1	66	JA-SX 66-67	0 1969 1	36
BSX 152	0 1162 1	7	HX 56 (2)	0 1786 1	66	JA-SX 68-73	0 1976 1	46
BSX 155	0 1164 1	8	HX 106	0 1798 1	67	JA-SX 69-70 (3)	0 1970 1	46
BSX 157-158	0 1165 1	8	HX 109	0 1797 1	67	JA-SX 69-70 (4)	0 1971 1	46
BSX 157-158 K	0 1167 1	8	HX 116	0 1790 1	67	JA-SX 70	0 1967 1	47
BSX 159-160	0 1166 1	8	HX 124	0 1791 1	67	JA-SX 71	0 1973 1	47
BSX 163-164	0 1168 1	9	HX 155	0 1788 1	67	JA-SX 71-72	0 1972 1	47
BSX 165	0 1169 1	9	HX 161	0 1799 1	67	JA-SX 74	0 1975 1	37
BSX 166	0 1173 1	9	HX 172	0 1789 1	68	JA-SX 74-75	0 1974 1	37
BSX 170-171	0 1171 1	9	HX 341	0 1792 1	68	JA-SX 77-78	0 1977 1	21
BSX 172-173	0 1172 1	9	HX 346	0 1787 1	68	JA-SX 80-81	0 1982 1	37
BSX 172-173-174	0 1194 1	10	JA-SX 1	0 1943 1	70	JA-SX 82-83 (3)	0 1981 1	47
BSX 174-175	0 1175 1	10	JA-SX 2	0 1946 1	70	JA-SX 82-83 (4)	0 1983 1	48
BSX 177	0 1174 1	10	JA-SX 10-11	0 1955 1	20	JA-SX 84	0 1984 1	22
BSX 178-179	0 1176 1	10	JA-SX 14 (4)	0 1940 1	20	JA-SX 85	0 1985 1	22
BSX 184-185	0 1088 1	10	JA-SX 15-6 (4)	0 1942 1	34	JA-SX 86-87	0 1986 1	22
BSX 186	0 1179 1	11	JA-SX 22 (4)	0 1945 1	20	JA-SX 88	0 1988 1	23

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE	EURO-REFERENZ	IKA	PAGE
JA-SX 89	0 1991 1	23	JSX 74-75-76-77 PA70	0 1492 1	30	PSX 140-141 (4)	0 1776 1	59
JA-SX 90	0 1989 1	48	JSX 73 (4)	0 1493 1	30	PSX 142-143	0 1779 1	59
JA-SX 91	0 1990 1	48	LASX 15-16	0 1608 1	39	PSX 142-144	0 1752 1	59
JA-SX 92-93 12V	0 1992 1	37	LASX 15-27	0 1609 1	39	PSX 142-145	0 1754 1	60
JA-SX 94-95 24V	0 1993 1	38	LASX 30-31-32	0 1613 1	39	PSX 146-147 w/o. sprin	0 1783 1	60
JA-SX 96-97 24V	0 1995 1	48	LASX 31	0 1614 1	39	PSX 148-149 w/o. sprin	0 1773 1	60
JA-SX 98-99 12V	0 1994 1	48	LASX 36	0 1615 1	39	PSX 148-149/0	0 1774 1	60
JA-SX 105-106	0 1921 1	23	LASX 40-41	0 1617 1	39	PSX 148-157 w/o. sprin	0 1777 1	61
JA-SX 110-111	0 1922 1	49	LASX 42	0 1618 1	40	PSX 148-158 w/o. sprin	0 1768 1	61
JA-SX 18-19	0 1996 1	20	LASX 43-44 w. termina	0 1628 1	40	PSX 148-159 w/o. sprin	0 1778 1	61
JA-SX 211	0 1344 1	71	LASX 43-44/0 w/o.term	0 1619 1	40	PSX 152-153	0 1780 1	62
JASX103-104	0 1932 1	49	LASX 43-47-48 w.term.	0 1622 1	40	PSX 155 (3)	0 1727 1	62
JASX107	0 1345 1	71	LASX 44-45	0 1620 1	40	PSX 155 (4)	0 1728 1	62
JASX79	0 1997 1	22	LASX 46-47-48	0 1612 1	40	PSX 156 (4)	0 1726 1	62
JSX 5	0 1451 1	25	LASX 73-41	0 1621 1	41	PSX 160-164 D7G c/w	0 1735 1	62
JSX 9	0 1454 1	25	LASX 81-82	0 1607 1	41	PSX 161	0 1737 1	62
JSX 13 (4)	0 1457 1	25	LASX 85-84	0 1611 1	41	PSX 163-164	0 1740 1	63
JSX 14	0 1455 1	25	LASX 86-79-80	0 1623 1	41	PSX 166-167	0 1743 1	63
JSX 16	0 1459 1	25	LASX 87-77-78	0 1624 1	41	PSX 169-170	0 1745 1	63
JSX 19	0 1462 1	25	MASX 3	0 1662 1	43	PSX 89-90	0 1747 1	57
JSX 21-22	0 1464 1	26	MASX 13-14	0 1663 1	43	RX 60	0 1284 1	52
JSX 23-24-28	0 1466 1	26	MASX 15-16	0 1664 1	43	RX 70 (4)	0 1285 1	52
JSX 25-22	0 1467 1	26	MASX 17-18	0 1665 1	43	RX 87	0 1287 1	52
JSX 26-27	0 1468 1	26	MASX 19-20	0 1666 1	43	RX 92	0 1296 1	52
JSX 29-30	0 1469 1	26	MASX 21-22	0 1668 1	43	RX 95	0 1288 1	52
JSX 31-32	0 1470 1	26	MASX 23-24	0 1669 1	44	RX 96 (R 120)	0 1286 1	52
JSX 33-34	0 1471 1	27	MASX 25-26	0 1670 1	44	RX 120 (2)	0 1250 1	53
JSX 35-36	0 1472 1	27	MASX 27-28	0 1671 1	44	RX 120 (3)	0 1291 1	53
JSX 35-37	0 1473 1	27	PLSX 3	0 1690 1	51	RX 120 (4)	0 1251 1	53
JSX 38-39-40 (3)	0 1474 1	27	PLSX 4	0 1691 1	51	RX 120/0 (4)	0 1295 1	53
JSX 38-40-58 (4)	0 1482 1	27	PLSX 5	0 1689 1	51	RX 122	0 1280 1	53
JSX 38-41	0 1475 1	27	PSX 81-82	0 1746 1	57	RX 122H	0 1256 1	53
JSX 38-42	0 1476 1	28	PSX 83-84	0 1750 1	57	RX 124	0 1281 1	54
JSX 40-46-47 (4)	0 1477 1	28	PSX 88	0 1756 1	57	RX 124H	0 1257 1	54
JSX 43-45-44 (4)	0 1478 1	28	PSX 112	0 1755 1	57	RX 134	0 1282 1	54
JSX 43-45-57 (3)	0 1483 1	28	PSX 115-116	0 1757 1	58	RX 134H	0 1259 1	54
JSX 48-49-50 (3)	0 1479 1	28	PSX 115-116-121	0 1759 1	58	RX 135	0 1283 1	55
JSX 50-55-56 (3)	0 1484 1	28	PSX 119-120	0 1760 1	58	RX 135H	0 1260 1	55
JSX 51-52 (2)	0 1480 1	29	PSX 129	0 1766 1	58	RX 419-420	0 1254 1	55
JSX 51-52-59 (3)	0 1485 1	29	PSX 131	0 1770 1	58	RX 457-458	0 1255 1	55
JSX 51-52-63 (4)	0 1486 1	29	PSX 132	0 1769 1	58	RX912	0 1253 1	55
JSX 53-54	0 1481 1	29	PSX 133	0 1770 1	58			
JSX 61-62-63 (4)	0 1487 1	29	PSX 133 K	0 1763 1	59			
JSX 70-71	0 1490 1	30	PSX 136-137	0 1771 1	59			
JSX 72-73 Denso P76	0 1491 1	30	PSX 138-139 (2)	0 1775 1	59			

# VERGLEICHSLISTE CROSS REFERENCE LIST

FCC	IKA	PAGE	FCC	IKA	PAGE	FORD-VISTEON	IKA	PAGE
FBH 3	4 4466 0	236	JMTSX 31	0 1957 1	46	AU2-11395-A	8 4097 0	248
FBH 4	4 4459 0	236	JMTSX 36	0 1971 1	46	BA 116 Z	8 8681 0	252
FBH 5	4 4466 0	236	JMTSX 36 N	0 1970 1	46	BE9H-11052-B	8 8665 0	251
FBH 6	4 4354 0	234	JMTSX 37	0 1957 1	46	BF6T-11135-B	8 4079 0	246
FBH 7	4 4463 0	236	JMTSX 48	0 1936 1	45	C3SF-10A304-A	8 8200 0	250
FBH 31	4 4455 0	236	JMTSX 49	0 1983 1	48	C4SF-10A304-A	8 8200 0	250
FBH 32	4 4454 0	236	JMTSX 49 N	0 1981 1	47	C5AF-10A304-A	8 8200 0	250
FBM 10	4 4464 0	238	JMTSX 54	0 1971 1	46	C5AZ-10A304-A	8 8200 0	250
FBM 16	4 4456 0	238	JMTSX 55	0 1994 1	48	C6VY-11135-A	8 4079 0	246
FBM 36	4 4458 0	238	JMTSX 56	0 1972 1	47	D2OF-10A304-A2A	8 8200 0	250
FBM 37	4 4470 0	238	JMTSX 57	0 1995 1	48	D2OZ-10A304-A	8 8200 0	250
FBM 38	4 4465 0	238	JMTSX 58	0 1957 1	46	E5PF-11061-A	7 7525 1	130
FBM 39	4 4464 0	238	JMTSX 59	0 1989 1	48	E5PF-11434-AA	7 7525 1	130
FBM 45	4 4484 0	238	JMTSX 65	0 1973 1	47	E7GZ-11061-A	7 7183 1	127
FBN 14	4 4457 0	232	JMTSX 66	0 1973 1	47	E90F-11448-BA	8 2256 0	245
FBN 17	4 4461 0	232	JNDSX 8	0 1935 1	20	E90Z-11061-A	7 7211 1	120
FBN 33	4 4462 0	232	JNDSX 12	0 1940 1	20	E90Z-11061-B	7 7211 1	120
JHTSX 7 M	0 1942 1	34	JNDSX 20	0 1965 1	21	E90Z-11061-C	7 7211 1	120
JHTSX 8 M	0 1942 1	34	JNDSX 25	0 1966 1	21	E90Z-11135-A	4 4056 0	230
JHTSX 9 M	0 1959 1	35	JNDSX 28	0 1935 1	20	E90Z-11A165-A	4 2229 0	222
JHTSX 11	0 1959 1	35	JNDSX 31	0 1988 1	23	F3RZ-11061-A	7 7212 1	120
JHTSX 12 M	0 1952 1	34	JNDSX 31 M	0 1988 1	23	F3RZ-11390-A	4 6115 9	197
JHTSX 17	0 1960 1	36	JNDSX 32	0 1984 1	22	F3RZ-11390-B	4 6115 9	197
JHTSX 25	0 1992 1	37	JNDSX 33	0 1991 1	23	F4BZ-11061-A	7 7183 1	127
JHTSX 28	0 1969 1	36	JNDSX 34	0 1985 1	22	F78Z-11390-AA	4 6115 9	197
JHTSX 28 N	0 1968 1	36	JNDSX 35	0 1977 1	21	F7RU-11165-CA	4 2229 0	222
JHTSX 29	0 1993 1	38	JNDSX 36	0 1986 1	22	F7RU-11434-BA	7 7261 1	120
JHTSX 30	0 1978 1	34	JNDSX 37	0 1963 1	21	F7RU-11448-EA	8 8981 0	253
JHTSX 31	0 1982 1	37	JNDSX 39	0 1938 1	20	F8RU-11448-AA	8 2256 0	245
JHTSX 32	0 1992 1	37	JNDSX 39 T	0 1939 1	21	SCE 98	8 4208 0	249
JHTSX 33	0 1958 1	36	JNDSX 41	0 1962 1	21	SCE 116	8 8681 0	252
JHTSX 34	0 1993 1	38	JNDSX 42	0 1955 1	20	TN49-11339	8 8664 0	251
JHTSX 36	0 1937 1	34	JNKSX 20	0 1254 1	55	TN49-11339-A	8 8665 0	251
JHTSX 37	0 1974 1	37	JNKSX 28	0 1997 1	22	XS6U-11390-AA	4 6115 9	197
JHTSX 38	0 1960 1	36						
JHTSX 39	0 1937 1	34	<b>FORD-VISTEON</b>	<b>IKA</b>	<b>PAGE</b>	<b>FUJI</b>	<b>IKA</b>	<b>PAGE</b>
JHTSX 40	0 1975 1	37	106688	4 5027 1	161	F-141	0 1977 1	21
JHTSX 43	0 1934 1	34	10670-F7RU	4 5027 1	161	F-147	0 1952 1	34
JHTSX 44	0 1974 1	37	1587259	8 8983 0	253	FA-101	0 1969 1	36
JHTSX 47	0 1948 1	35	1587265	8 8693 0	252	FA-102	0 1969 1	36
JMTSX 9	0 1949 1	45	1C3U-11424-AA	7 7213 1	120	FD-111	0 1940 1	20
JMTSX 11	0 1980 1	45	1C3U-11434-AA	7 7213 1	120	FD-133	0 1945 1	20
JMTSX 24	0 1949 1	45	6158987	8 4079 0	246	FD-138	0 1965 1	21
JMTSX 27	0 1967 1	47	78HB-11448-AA	8 8693 0	252	FD-139	0 1965 1	21
JMTSX 30	0 1957 1	46	78HB-1148-BA	8 8983 0	253	FD-140	0 1966 1	21

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FD-151	0 1962 1	21	FF-145	0 1961 1	35	FI-109	0 1942 1	34
FD-154	0 1984 1	22	FF-146	0 1984 1	22	FI-110	0 1942 1	34
FD-155	0 1984 1	22	FF-150	0 1969 1	36	FI-116	0 1951 1	34
FD-156	0 1988 1	23	FF-151	0 1969 1	36	FI-117	0 1951 1	34
FD-157	0 1966 1	21	FF-152	0 1968 1	36	FI-118	0 1959 1	35
FD-158	0 1985 1	22	FF-155	0 1984 1	22	FI-119	0 1959 1	35
FD-159	0 1985 1	22	FF-156	0 1984 1	22	FI-120	0 1952 1	34
FD-160	0 1985 1	22	FF-157	0 1984 1	22	FI-125	0 1940 1	20
FD-161	0 1977 1	21	FF-158	0 1939 1	21	FI-126	0 1952 1	34
FD-162	0 1963 1	21	FF-319	0 1938 1	20	FI-130	0 1992 1	37
FD-163	0 1984 1	22	FH-123	0 1988 1	23	FI-131	0 1992 1	37
FD-165	0 1984 1	22	FH-125	0 1993 1	38	FI-133	0 1960 1	36
FD-166	0 1977 1	21	FH-126	0 1993 1	38	FI-134	0 1960 1	36
FD-167	0 1939 1	21	FH-145	0 1988 1	23	FI-135	0 1959 1	35
FD-168	0 1977 1	21	FI-001	0 1974 1	37	FI-136	0 1959 1	35
FD-169	0 1984 1	22	FI-002	0 1937 1	34	FI-147	0 1952 1	34
FD-170	0 1962 1	21	FI-003	0 1937 1	34	FI-156	0 1963 1	21
FD-171	0 1962 1	21	FI-025	0 1988 1	23	FI-159	0 1993 1	38
FE-123	0 1984 1	22	FI-027	0 1988 1	23	FI-164	0 1952 1	34
FE-124	0 1984 1	22	FI-029	0 1984 1	22	FI-167	0 1968 1	36
FE-143	0 1988 1	23	FI-030	0 1988 1	23	FI-168	0 1969 1	36
FE-167	0 1977 1	21	FI-035	0 1968 1	36	FI-172	0 1992 1	37
FF-110	0 1960 1	36	FI-040	0 1984 1	22	FI-173	0 1992 1	37
FF-111	0 1960 1	36	FI-041	0 1985 1	22	FI-174	0 1993 1	38
FF-115	0 1940 1	20	FI-046	0 1937 1	34	FI-175	0 1993 1	38
FF-116	0 1940 1	20	FI-047	0 1968 1	36	FI-181	0 1993 1	38
FF-117	0 1969 1	36	FI-051	0 1992 1	37	FI-182	0 1993 1	38
FF-118	0 1969 1	36	FI-052	0 1992 1	37	FI-185	0 1993 1	38
FF-119	0 1968 1	36	FI-053	0 1975 1	37	FI-186	0 1993 1	38
FF-120	0 1969 1	36	FI-054	0 1974 1	37	FI-189	0 1969 1	36
FF-121	0 1969 1	36	FI-055	0 1974 1	37	FI-191	0 1977 1	21
FF-122	0 1969 1	36	FI-056	0 1974 1	37	FI-192	0 1969 1	36
FF-124	0 1939 1	21	FI-061	0 1977 1	21	FI-193	0 1969 1	36
FF-125	0 1984 1	22	FI-062	0 1955 1	20	FI-194	0 1982 1	37
FF-128	0 1985 1	22	FI-063	0 1955 1	20	FI-195	0 1982 1	37
FF-132	0 1984 1	22	FI-064	0 1963 1	21	FI-196	0 1937 1	34
FF-133	0 1963 1	21	FI-065	0 1939 1	21	FI-197	0 1937 1	34
FF-134	0 1985 1	22	FI-066	0 1997 1	22	FI-198	0 1934 1	34
FF-135	0 1984 1	22	FI-067	0 1997 1	22	FI-199	0 1934 1	34
FF-137	0 1968 1	36	FI-068	0 1997 1	22	FI-200	0 1974 1	37
FF-138	0 1961 1	35	FI-069	0 1997 1	22	FJ-002	0 1973 1	47
FF-139	0 1961 1	35	FI-080	0 1984 1	22	FJ-005	0 1973 1	47
FF-140	0 1961 1	35	FI-081	0 1984 1	22	FJ-007	0 1985 1	22
FF-141	0 1961 1	35	FI-085	0 1984 1	22	FJ-012	0 1972 1	47
FF-144	0 1961 1	35	FI-086	0 1962 1	21	FJ-016	0 1988 1	23



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

FUJI	IKA	PAGE	FUJI	IKA	PAGE	FUJI	IKA	PAGE
FJ-025	0 1995 1	48	FK-140	0 1984 1	22	FN-027	0 1967 1	47
FJ-026	0 1994 1	48	FM-101	0 1940 1	20	FN-028	0 1967 1	47
FJ-029	0 1939 1	21	FM-109	0 1949 1	45	FN-029	0 1989 1	48
FJ-030	0 1994 1	48	FM-121	0 1967 1	47	FN-030	0 1994 1	48
FJ-125	0 1935 1	20	FM-123	0 1957 1	46	FN-031	0 1995 1	48
FJ-126	0 1967 1	47	FM-135	0 1971 1	46	FN-035	0 1960 1	36
FJ-138	0 1940 1	20	FM-136	0 1971 1	46	FN-036	0 1960 1	36
FJ-149	0 1957 1	46	FM-145	0 1957 1	46	FN-039	0 1983 1	48
FJ-150	0 1971 1	46	FM-152	0 1983 1	48	FN-040	0 1983 1	48
FJ-151	0 1971 1	46	FM-153	0 1983 1	48	FN-041	0 1974 1	37
FJ-165	0 1957 1	46	FM-154	0 1989 1	48	FN-042	0 1974 1	37
FJ-166	0 1957 1	46	FM-159	0 1966 1	21	FN-043	0 1961 1	35
FJ-177	0 1936 1	45	FM-160	0 1994 1	48	FN-044	0 1961 1	35
FJ-178	0 1971 1	46	FM-161	0 1973 1	47	FN-057	0 1948 1	35
FJ-179	0 1957 1	46	FM-162	0 1973 1	47	FN-058	0 1948 1	35
FJ-181	0 1935 1	20	FM-164	0 1971 1	46	FN-059	0 1961 1	35
FJ-183	0 1983 1	48	FM-166	0 1973 1	47	FN-060	0 1961 1	35
FJ-184	0 1983 1	48	FM-167	0 1977 1	21	FN-061	0 1969 1	36
FJ-185	0 1936 1	45	FM-168	0 1985 1	22	FN-062	0 1969 1	36
FJ-188	0 1989 1	48	FM-169	0 1961 1	35	FN-063	0 1995 1	48
FJ-189	0 1967 1	47	FM-170	0 1961 1	35	FN-064	0 1995 1	48
FJ-190	0 1994 1	48	FM-171	0 1985 1	22	FN-067	0 1971 1	46
FJ-191	0 1967 1	47	FM-175	0 1973 1	47	FN-068	0 1971 1	46
FJ-192	0 1995 1	48	FM-178	0 1972 1	47	FN-107	0 1942 1	34
FJ-193	0 1940 1	20	FM-181	0 1974 1	37	FN-110	0 1942 1	34
FJ-194	0 1967 1	47	FM-182	0 1974 1	37	FN-120	0 1952 1	34
FJ-195	0 1988 1	23	FM-183	0 1983 1	48	FN-122	0 1951 1	34
FJ-200	0 1967 1	47	FM-184	0 1983 1	48	FN-123	0 1951 1	34
FK-107	0 1984 1	22	FM-185	0 1939 1	21	FN-124	0 1960 1	36
FK-108	0 1965 1	21	FM-316	0 1952 1	34	FN-125	0 1960 1	36
FK-109	0 1984 1	22	FN-001	0 1957 1	46	FN-126	0 1949 1	45
FK-113	0 1969 1	36	FN-002	0 1957 1	46	FN-127	0 1949 1	45
FK-114	0 1969 1	36	FN-003	0 1934 1	34	FN-138	0 1959 1	35
FK-115	0 1984 1	22	FN-004	0 1934 1	34	FN-139	0 1959 1	35
FK-118	0 1969 1	36	FN-005	0 1968 1	36	FN-140	0 1969 1	36
FK-119	0 1969 1	36	FN-006	0 1937 1	34	FN-141	0 1969 1	36
FK-124	0 1966 1	21	FN-007	0 1937 1	34	FN-145	0 1971 1	46
FK-125	0 1985 1	22	FN-008	0 1961 1	35	FN-155	0 1959 1	35
FK-127	0 1966 1	21	FN-009	0 1961 1	35	FN-156	0 1959 1	35
FK-128	0 1984 1	22	FN-015	0 1969 1	36	FN-158	0 1952 1	34
FK-129	0 1986 1	22	FN-016	0 1969 1	36	FN-163	0 1957 1	46
FK-130	0 1963 1	21	FN-018	0 1937 1	34	FN-167	0 1992 1	37
FK-131	0 1939 1	21	FN-023	0 1969 1	36	FN-168	0 1992 1	37
FK-132	0 1968 1	36	FN-024	0 1969 1	36	FN-169	0 1952 1	34
FK-139	0 1984 1	22	FN-025	0 1974 1	37	FN-173	0 1974 1	37

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

FUJI	IKA	PAGE	FUJI	IKA	PAGE	GHIBAUDI	IKA	PAGE
FN-174	0 1974 1	37	FW-111	0 1993 1	38	0030	4 5000 1	146
FN-175	0 1974 1	37	FW-112	0 1993 1	38	0033	4 5001 1	146
FN-176	0 1974 1	37	FW-116	0 1984 1	22	0304	4 5081 1	175
FN-178	0 1971 1	46	FW-117	0 1984 1	22	0892D	4 4502 0	242
FN-186	0 1957 1	46	FY-105	0 1937 1	34	1516	4 5002 1	146
FN-187	0 1978 1	34	FY-106	0 1937 1	34	1517	4 5156 1	157
FN-188	0 1978 1	34	FY-111	0 1969 1	36	1530	4 5175 1	158
FN-189	0 1982 1	37	FY-112	0 1969 1	36	1531	4 5128 1	169
FN-190	0 1982 1	37	FY-113	0 1982 1	37	1534	4 5134 1	155
FN-191	0 1993 1	38	FY-114	0 1982 1	37	1537	4 5176 1	158
FN-192	0 1993 1	38	FY-115	0 1959 1	35	1546	4 5003 1	146
FN-195	0 1992 1	37	FY-116	0 1959 1	35	1551	4 5004 1	177
FN-196	0 1992 1	37	FY-117	0 1959 1	35	1553	4 5083 1	153
FN-197	0 1958 1	36	FY-119	0 1968 1	36	1554	4 5135 1	155
FN-198	0 1958 1	36	FY-120	0 1959 1	35	1555	4 5005 1	146
FN-199	0 1937 1	34	FY-121	0 1958 1	36	1567	4 5103 1	165
FN-200	0 1937 1	34	FY-122	0 1958 1	36	1574	4 5129 1	169
FS-112	0 1940 1	20	FY-123	0 1992 1	37	1594	4 5157 1	157
FS-123	0 1963 1	21	FY-124	0 1992 1	37	1608	4 5006 1	147
FS-124	0 1963 1	21	FY-125	0 1992 1	37	1612	4 5177 1	158
FS-125	0 1939 1	21	FY-126	0 1992 1	37	1613	4 5178 1	145
FS-127	0 1985 1	22	FY-127	0 1993 1	38	1617	4 5007 1	147
FT-104	0 1940 1	20	FY-128	0 1993 1	38	1621	4 5008 1	147
FT-111	0 1935 1	20	FY-129	0 1993 1	38	1629	4 5009 1	171
FT-114	0 1966 1	21	FY-130	0 1993 1	38	1631	4 5079 1	167
FT-116	0 1965 1	21	FY-138	0 1937 1	34	1632	4 5136 1	180
FT-124	0 1984 1	22	FY-139	0 1937 1	34	1649	4 5115 1	155
FT-127	0 1984 1	22	FY-140	0 1984 1	22	1667	4 5113 1	165
FT-128	0 1988 1	23	FY-143	0 1937 1	34	1668	4 5010 1	147
FT-129	0 1984 1	22	FY-148	0 1974 1	37	1678	4 5011 1	171
FT-130	0 1985 1	22	FY-149	0 1993 1	38	1683	4 5116 1	159
FT-133	0 1977 1	21	FY-150	0 1993 1	38	1688	4 5012 1	177
FT-138	0 1986 1	22	FY-151	0 1937 1	34	1716	4 5013 1	162
FT-139	0 1984 1	22	FY-153	0 1993 1	38	1728	4 5153 1	160
FT-140	0 1962 1	21	FY-155	0 1984 1	22	1751	4 5183 1	158
FT-141	0 1977 1	21	FY-156	0 1984 1	22	1774	4 5114 1	154
FT-142	0 1988 1	23	FY-157	0 1977 1	21	1808	4 5179 1	158
FT-143	0 1939 1	21	FY-158	0 1985 1	22	1824	4 5014 1	147
FT-147	0 1984 1	22	FY-159	0 1988 1	23	1829	4 5180 1	164
FT-148	0 1984 1	22	FZ-104	0 1940 1	20	1835	4 5015 1	147
FT-149	0 1984 1	22	FZ-107	0 1984 1	22	1848	4 5016 1	171
FT-150	0 1984 1	22	FZ-108	0 1988 1	23	1863	4 5160 1	181
FT-151	0 1984 1	22	FZ-109	0 1966 1	21	1887	4 5017 1	148
FU-101	0 1988 1	23				1904	4 5125 1	162
FW-015	0 1940 1	20				1918	4 5084 1	153

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE
1929	4 5018 1	167	2208	4 5094 1	168	3023	4 5146 1	169
1936	4 5085 1	153	2223	4 5184 1	176	3039	4 5058 1	151
1937	4 5137 1	180	2227	4 5095 1	154	3089	4 5131 1	169
1944	4 5019 1	171	2230	4 5167 1	162	3150	4 5059 1	151
1953	4 5020 1	177	2233	4 5141 1	156	3158	4 5060 1	178
1963	4 5181 1	160	2234	4 5086 1	153	3167	4 5159 1	174
1989	4 5021 1	148	2236	4 5042 1	150	3190	4 5061 1	151
1991	4 5022 1	148	2244	4 5043 1	178	3194	4 5062 1	152
1999	4 5023 1	177	2245	4 5044 1	161	3196	4 5063 1	152
2006	4 5024 1	148	2249	4 5142 1	173	3199	4 5064 1	152
2009	4 5075 1	165	2257	4 5107 1	154	3218	4 5123 1	159
2013	4 5161 1	166	2259	4 5045 1	178	3218	4 5132 1	169
2027	4 5138 1	169	2262	4 5143 1	159	3539	4 6027 1	275
2028	4 5162 1	157	2266	4 5046 1	150	3603	4 4354 0	234
2035	4 5076 1	179	2267	4 5144 1	156	3615	4 4353 0	241
2059	4 5025 1	148	2284	4 5089 1	172	3617	4 4352 0	241
2062	4 5163 1	160	2299	4 5120 1	180	3631	4 4350 0	241
2064	4 5026 1	177	2332	4 5185 1	160	3633	4 4363 0	242
2065	4 5027 1	161	2338	4 5047 1	150	3634	4 4351 0	241
2069	4 5028 1	171	2339	4 5121 1	161	3640	4 4501 0	242
2073	4 5139 1	155	2343	4 5048 1	150	3641	4 4503 0	242
2090	4 5029 1	167	2344	4 5049 1	176	3642	4 4502 0	242
2092	4 5126 1	168	2345	4 5050 1	172	3643	4 4504 0	242
2094	4 5165 1	170	2347	4 5101 1	154	3651	4 4004 0	229
2100	4 5117 1	168	2354	4 5051 1	150	3652	4 4002 0	229
2111	4 5082 1	153	2356	4 5077 1	153	3654	4 4103 0	230
2120	4 5030 1	171	2369	4 5078 1	172	3657	4 4351 0	241
2122	4 5031 1	148	2373	4 5168 1	160	3658	4 4113 0	231
2126	4 5166 1	157	2376	4 5122 1	161	3659	4 4000 0	229
2136	4 5090 1	154	2377	4 5053 1	178	3660	4 4011 0	229
2143	4 5112 1	162	2378	4 5154 1	181	3662	4 4002 0	229
2144	4 5140 1	156	2379	4 5091 1	159	3666	4 4012 0	229
2149	4 5032 1	149	2381	4 5092 1	173	3667	4 4104 0	231
2152	4 5033 1	149	2387	4 5099 1	180	3673	4 4106 0	231
2153	4 5093 1	167	2391	4 5104 1	168	3680	4 4115 0	231
2162	4 5034 1	172	2394	4 5096 1	179	3681	4 4116 0	231
2169	4 5035 1	149	2674	4 5155 1	170	3682	4 4000 0	229
2179	4 5118 1	168	2681	4 5080 1	167	3699	4 4013 0	229
2189	4 5036 1	149	2835	4 5054 1	178	3700	4 4021 0	229
2196	4 5037 1	176	2845	4 5174 1	145	3701	4 4080 0	230
2198	4 5119 1	173	2849	4 5145 1	156	3702	4 4000 0	229
2201	4 5038 1	149	2852	4 5158 1	165	3703	4 4123 0	231
2203	4 5039 1	149	2907	4 5130 1	165	3704	4 4126 0	231
2204	4 5040 1	150	2922	4 5173 1	157	3707	4 4136 0	231
2207	4 5041 1	177	3017	4 5057 1	151	3709	4 4141 0	231

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE	GHIBAUDI	IKA	PAGE
3710	4 4142 0	231	4113	4 4454 0	236	6161	4 5105 1	154
3711	4 4022 0	229	4114	4 4456 0	238	6167	4 5109 1	159
3712	4 4004 0	229	4116	4 4457 0	232	6255	4 5151 1	156
3713	4 4077 0	230	4117	4 4461 0	232	6257	4 5150 1	156
3714	4 4137 0	231	4131	4 4462 0	232	6266	4 5111 1	162
3715	4 4056 0	230	4361	4 4361 0	241	6273	4 5148 1	173
3716	4 4055 0	230	4501K	4 4698 1	265	6283	4 5149 1	174
3717	4 4054 0	229	4509 K	4 4136 0	231	6292	4 5152 1	159
3720	4 4005 0	229	4514K	4 4674 1	270			
3721	4 4061 0	230	4520K	4 4662 1	270	<b>HITACHI</b>	<b>IKA</b>	<b>PAGE</b>
3723	8 4079 0	246	4522K	4 4674 1	270	2106-1601	4 4466 0	236
3724	4 4062 0	230	4525K	4 4659 1	270	2106-2352	4 4466 0	236
3751	4 4265 0	241	4526K	4 4658 1	269	2108-2305	0 1942 1	34
3752	4 4257 0	241	4529K	4 4657 1	269	2108-2306	0 1942 1	34
3754	4 4260 0	241	4530K	4 4653 1	269	2108-4305	0 1942 1	34
3755	4 4259 0	241	4531K	4 4656 1	269	2108-4306	0 1942 1	34
3764	4 4264 0	241	4533K	4 4654 1	269	2108-6305	0 1942 1	34
3769	4 4253 0	241	5894D	4 2242 0	219	2108-6306	0 1942 1	34
3770	4 4265 0	241	6000	4 5073 1	167	2114-1352	4 4466 0	236
3771	4 4263 0	241	6000	4 5100 1	168	2114-1353	4 4485 0	236
3772	4 4260 0	241	6020	4 5065 1	152	2114-1411	8 8665 0	251
3806	4 4302 0	233	6026	4 5133 1	155	2114-15507	4 5013 1	162
3810	4 4304 0	233	6028	4 5172 1	157	2114-1601	4 4466 0	236
3811	4 4305 0	233	6029	4 5182 1	181	2114-19008	7 7141 1	122
3830	4 4300 0	233	6031	4 5066 1	152	2114-23104	7 7524 1	123
3831	4 4301 0	233	6038	4 5067 1	178	2114-23106	7 7140 1	122
3843	4 4306 0	233	6049	4 5127 1	155	2114-23124	0 1961 1	35
3844	4 4308 0	233	6050	4 5171 1	181	2114-2313	0 1951 1	34
3847	4 4307 0	233	6051	4 5068 1	179	2114-2601	4 4354 0	234
3852	4 4300 0	233	6066	4 5069 1	161	2114-2601	4 4471 0	236
3887	4 4136 0	231	6068	4 5102 1	180	2114-27613	4 6178 9	198
3906	4 4403 0	237	6070	4 5108 1	180	2114-29007	7 7141 1	122
3919	4 4412 0	237	6079	4 5074 1	176	2114-3315	0 1969 1	36
3933	4 4400 0	237	6084	4 5170 1	163	2114-3352	4 4466 0	236
3936	4 4409 0	237	6089	4 5070 1	152	2114-3601	4 4459 0	236
3937	4 4414 0	237	6090	4 5071 1	179	2114-37613	4 6118 9	198
3938	4 4410 0	237	6093	4 5088 1	179	2114-39001	7 7141 1	122
3939	4 4411 0	237	6094	4 5097 1	179	2114-39008	7 7524 1	123
3991	4 4353 0	241	6098	4 5072 1	172	2114-4311	7 7141 1	122
4058	4 4302 0	233	6101	4 5169 1	174	2114-43125	0 1948 1	35
4073	4 4304 0	233	6102	4 5098 1	173	2114-4313	0 1960 1	36
4074	4 4300 0	233	6127	4 5087 1	172	2114-44101	4 4443 0	236
4075	4 4305 0	233	6136	4 5124 1	162	2114-4661	4 4455 0	236
4105	4 4459 0	236	6137	4 5110 1	173	2114-49007	7 7141 1	122
4112	4 4455 0	236	6147	4 5147 1	170	2114-53104	7 7140 1	122

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

HITACHI	IKA	PAGE	HITACHI	IKA	PAGE	HITACHI	IKA	PAGE
2114-53105	7 7140 1	122	2120-4401	4 4463 0	236	2130-9311	0 1934 1	34
2114-5312	0 1969 1	36	2120-5312	0 1959 1	35	2130-95007	4 5125 1	162
2114-53126	0 1964 1	35	2120-7311	0 1959 1	35	2130-97004	4 6195 9	199
2114-5352	4 4454 0	236	2120-7312	0 1958 1	36	2130-97008	4 6153 9	198
2114-5661	4 4455 0	236	2120-9311	0 1958 1	36	2140-1500	4 5112 1	162
2114-57506	4 6134 9	198	2130-13022	7 7142 1	122	2140-15003	4 5112 1	162
2114-57610	4 6144 9	198	2130-1306	7 7142 1	122	2240-1310	7 7142 1	122
2114-59002	0 1982 1	37	2130-1310	4 4472 0	236	2240-1311	0 1974 1	37
2114-59003	0 1968 1	36	2130-1310	0 1993 1	38	2240-1312	0 1974 1	37
2114-59003	0 1961 1	35	2130-1310	4 4353 0	241	2240-2310	7 7142 1	122
2114-63104	7 7140 1	122	2130-13111	0 1974 1	37	2240-3310	7 7142 1	122
2114-6312	0 1951 1	34	2130-1312	0 1992 1	37	2250-13015	7 7143 1	122
2114-63121	0 1961 1	35	2130-1451	8 8671 0	251	2250-1322	0 1952 1	34
2114-63125	0 1948 1	35	2130-15005	4 5125 1	162	2250-1324	0 1993 1	38
2114-63126	0 1964 1	35	2130-15505	4 5125 1	162	2250-1451	8 8829 0	253
2114-6313	0 1968 1	36	2130-23112	0 1975 1	37	2250-23015	7 7143 1	122
2114-6313	0 1969 1	36	2130-2312	0 1992 1	37	2250-2323	0 1993 1	38
2114-67505	4 6114 9	198	2130-25005	4 5112 1	162	2250-43015	7 7143 1	122
2114-69002	0 1982 1	37	2130-2601	4 4472 0	236	2250-4322	0 1993 1	38
2114-69008	7 7141 1	122	2130-2601	4 4353 0	241	2250-45006	4 5111 1	162
2114-73105	7 7140 1	122	2130-3311	0 1992 1	37	2250-5310	7 7143 1	122
2114-73122	0 1961 1	35	2130-3451	8 8986 0	253	2250-5322	0 1937 1	34
2114-73123	0 1950 1	36	2130-35009	4 5170 1	163	2250-5323	0 1937 1	34
2114-79001	7 7141 1	122	2130-37004	4 6195 9	199	2250-7310	7 7143 1	122
2114-83102	7 7524 1	123	2130-37008	4 6195 9	199	2280-1312	0 1978 1	34
2114-8312	0 1960 1	36	2130-4311	0 1992 1	37	2280-1313	0 1978 1	34
2114-83121	0 1961 1	35	2130-4312	0 1992 1	37	23379-61501	0 1992 1	37
2114-83122	0 1961 1	35	2130-5312	0 1937 1	34	23380-61503	0 1992 1	37
2114-83123	0 1950 1	36	2130-6312	0 1934 1	34			
2114-83124	0 1961 1	35	2130-67005	4 6153 9	198	<b>INA</b>	<b>IKA</b>	<b>PAGE</b>
2114-8313	0 1969 1	36	2130-73021	7 7142 1	122	BCH F-220469	8 4092 0	247
2114-8313	0 1968 1	36	2130-73022	7 7142 1	122	BCH-06604 closed	8 8200 0	250
2114-85501	4 5013 1	162	2130-7305	7 7143 1	122	BCH-06604 open	8 8277 0	250
2114-89007	7 7141 1	122	2130-7311	0 1992 1	37	BK F-219005	8 4097 0	248
2114-93102	7 7524 1	123	2130-7312	0 1974 1	37	F-123861	8 8677 0	252
2114-93121	0 1961 1	35	2130-75002	4 5170 1	163	F-203215	8 8693 0	252
2114-93121	0 1968 1	36	2130-75003	4 5170 1	163	F-219005	8 4097 0	248
2114-93122	0 1961 1	35	2130-75004	4 5013 1	162	F-220469	8 4092 0	247
2114-97612	4 6118 9	198	2130-75504	4 5170 1	163	F-220469.1	8 8663 0	251
2120-1311	0 1959 1	35	2130-77005	4 6153 9	198	F-221604	8 4097 0	248
2120-1312	0 1959 1	35	2130-8311	0 1937 1	34	F-229411	8 4094 0	247
2120-2601	4 4354 0	234	2130-85003	4 5170 1	163	F-229411 KLM	8 4094 0	247
2120-2601	4 4471 0	236	2130-85004	4 5170 1	163	F-230978	8 8665 0	251
2120-2601	0 1993 1	38	2130-93021	7 7142 1	122	F-231294	8 4209 0	249
2120-4311	0 1959 1	35	2130-9305	7 7142 1	122	F-232542	8 4079 0	246

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

INA	IKA	PAGE	INA	IKA	PAGE	LCL	IKA	PAGE
F-235208	8 4090 0	247	SCE 1210 B	8 8275 0	250	200 605	4 4009 0	229
F-235208.02	8 4090 0	247	SCE 146 B	8 8683 0	252	200 606	4 4144 0	231
F-235208.04	8 4090 0	247	SCE 98	8 4208 0	249	200 607	4 4023 0	229
F-238818	8 8314 0	250	SCH F-220469.1	8 8663 0	251	200 609	8 4079 0	246
F-56769	8 8684 0	252	SCH FC-65177	8 8277 0	250	200 610	4 4077 0	230
F-571073.01	8 4078 0	246				200 611	4 4005 0	229
F-575702	8 4077 0	246	<b>ISKRA</b>	<b>IKA</b>	<b>PAGE</b>	200 612	4 4061 0	230
F-600387	8 4090 0	247	15 120 087	4 4264 0	241	200 613	8 4096 0	248
F-66217	8 4207 0	249	16 900 117	4 5180 1	164	200 614	4 4265 0	241
F-91916	8 8693 0	252	16 900 920	4 5003 1	146	200 615	4 4022 0	229
F-92227	8 8983 0	253	16 905 218	0 1457 1	25	200 616	4 4054 0	229
FC-66217	8 4207 0	249	16 905 225	0 1451 1	25	200 617	4 4052 0	229
FC-66624	8 4079 0	246	16 905 226	0 1132 1	5	200 618	4 4055 0	230
FC-66999	8 8314 0	250	16 905 235	0 1165 1	8	200 620	4 4004 0	229
HK 0408	8 2269 0	246	16 905 247	0 1158 1	7	200 623	4 4300 0	233
HK 0509	8 2260 0	245	16 905 294	0 1138 1	5	200 624	4 4053 0	229
HK 0608	8 2256 0	245	16 905 338	0 1103 1	3	200 625	4 4351 0	241
HK 0609	8 2258 0	245	16 905 375	0 1148 1	6	200 628	4 4300 0	233
HK 0808	8 8674 0	252	16 905 376	0 1147 1	5	200 629	4 4304 0	233
HK 0810	8 8673 0	251	16 905 377	0 1670 1	44	200 632	4 4311 0	233
HK 0910	8 8675 0	252	16 905 378	0 1670 1	44	200 639	4 4464 0	238
HK 1010	8 4096 0	248	16 905 380	0 1136 1	5	200 640	4 4464 0	238
HK 1012 RS	8 8668 0	251	16 905 387	0 1103 1	3	200 641	4 4456 0	238
HK 1014 RS	8 4097 0	248	16 905 389	0 1104 1	3	200 642	4 4456 0	238
HK 1210	8 4079 0	246	16 905 392	0 1132 1	5	200 643	4 4458 0	238
HK 1212	8 8981 0	253	16 905 645	0 1670 1	44	200 644	4 4465 0	238
HK 1214 2RS FPM	8 4095 0	247	16 905 688	0 1669 1	44	200 655	4 4462 0	232
HK 1214 RS	8 4098 0	249	16 905 695	0 1668 1	43	200 656	4 4461 0	232
HK 1216 2RS	8 4099 0	249	16 905 767	0 1138 1	5	200 658	4 4459 0	236
HK 1412	8 8672 0	251	16 905 825	0 1151 1	6	200 659	4 4466 0	236
HK 1414 2RS	8 8982 0	253	16 905 973	0 1670 1	44	200 660	4 4466 0	236
HK 1419	8 8161 0	250	16 906 368	0 1165 1	8	200 663	4 4454 0	236
HK 1512	8 8829 0	253	17 120 057	4 4302 0	233	200 666	4 4463 0	236
HK 1812	8 8118 0	249	17 120 203	4 4304 0	233	200 667	4 4353 0	241
HK 1816	8 8983 0	253	18 100 021	4 5000 1	146	200 672	4 4457 0	232
HK 2012	8 8986 0	253	18 100 098	4 5001 1	146	200 680	8 4097 0	248
HK 2212	8 8671 0	251				200 681	8 4098 0	249
HK 2216 2RS	8 8665 0	251	<b>LCL</b>	<b>IKA</b>	<b>PAGE</b>	200 682	4 4505 0	242
HK 2220	8 8987 0	253	200 505	4 4259 0	241	200 683	4 4506 0	242
HK 2512	8 8989 0	253	200 510	4 4260 0	241	200 830	4 4265 0	241
HK 3016 B	8 4094 0	247	200 600	4 4056 0	230	200 834	4 4354 0	234
NK 10/12 TN	8 4091 0	247	200 601	4 4062 0	230	200 846	4 4104 0	231
NK 10/17 TN	8 4091 0	247	200 602	4 4032 0	229	200 863	4 4004 0	229
SCE 1012	8 8664 0	251	200 603	4 4053 0	229	200 864	4 4000 0	229
SCE 116	8 8681 0	252	200 604	4 4106 0	231	200 872	4 4103 0	230

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

LCL	IKA	PAGE	LCL	IKA	PAGE	LUCAS	IKA	PAGE
200 875	4 4259 0	241	420 352	4 2205 0	216	54246738	4 5158 1	165
200 876	4 4257 0	241	504 647	0 3821 1	268	54246896	4 5158 1	165
200 877	4 4264 0	241	504 849	0 3820 1	268	54247034	4 5130 1	165
200 878	4 4351 0	241	CPB1001B	7 7127 1	77	54247036	4 5130 1	165
200 879	4 4353 0	241	CPB1002B	7 7129 1	77	54247134	4 5130 1	165
200 889	4 4352 0	241	CPB1003B	7 7132 1	78	54247187	4 5158 1	165
200 890	4 4361 0	241	CPB1004B	7 7130 1	78	54247393	4 5113 1	165
200 897	4 4302 0	233	CPB1006B	7 7119 1	75	54268139	4 5113 1	165
200 899	4 4304 0	233	CPB1007B	7 7120 1	76	54268140	4 5103 1	165
200 900	4 4305 0	233	CPB1008B	7 7121 1	76	54268141	4 5161 1	166
200 903	4 4012 0	229	CPB1009B	7 7124 1	76	54290585	4 5113 1	165
200 906	4 4080 0	230	CPB1011B	7 7125 1	77	54293455	4 5075 1	165
200 908	4 4115 0	231	CPB1012B	7 7126 1	77	54294922	4 5161 1	166
200 909	4 4116 0	231	CPB1013B	7 7131 1	78	54295155	4 5130 1	165
200 919	4 4355 0	241	CPB1014B	7 7122 1	76	54TMB115	4 5158 1	165
200 920	4 4011 0	229	CPB1015B	7 7115 1	75	60 600 056	0 1617 1	39
200 922	4 4350 0	241	CPB1018H	7 7140 1	122	60 600 196	0 1620 1	40
200 925	4 4126 0	231	CPB1021B	7 7117 1	75	60 600 205	0 1612 1	40
200 926	4 4141 0	231	CPB1023B	7 7133 1	78	60 600 220	0 1622 1	40
200 927	4 4263 0	241				60 600 298	0 1622 1	40
200 929	4 4363 0	242	<b>LUCAS</b>	<b>IKA</b>	<b>PAGE</b>	60 600 626	0 1613 1	39
200 940	4 4021 0	229	253 316	4 4403 0	237	60 600 688	0 1613 1	39
200 941	4 4136 0	231	271 364	4 4412 0	237	60 600 767	0 1621 1	41
200 942	4 4123 0	231	271 735	0 1608 1	39	60 600 849	0 1615 1	39
200 944	4 4142 0	231	271 735-1	0 1609 1	39	60 600 911	0 1624 1	41
200 945	4 4013 0	229	54 160 827	8 8200 0	250	60 600 936	0 1611 1	41
200 946	4 4253 0	241	54 207 267	8 8200 0	250	60 600 944	0 1607 1	41
200 947	4 4352 0	241	54 207 268	8 8200 0	250	60 600 946	0 1611 1	41
200 951	4 4372 0	242	54 207 451	8 8277 0	250	60 600 953	0 1623 1	41
200 952	4 4371 0	242	54 243 853	4 4698 1	265	60600024	4 5130 1	165
200 954	4 4456 0	238	54 244 848	0 1617 1	39	60933083	4 6180 9	200
200 955	4 4364 0	242	54 244 979	0 1618 1	40	60933111	4 6138 9	200
200 957	4 4306 0	233	54 246 258	0 1628 1	40	76740	4 6136 9	200
200 958	4 4307 0	233	54 252 054	4 4400 0	237	76753	4 6136 9	200
200 959	4 4308 0	233	54 255 966	4 4409 0	237	76755	4 6137 9	200
200 961	4 4304 0	233	54 256 098	4 4414 0	237	76756	4 6136 9	200
200 964	4 4301 0	233	54 256 132	4 4414 0	237	76759	4 6137 9	200
200 966	4 4302 0	233	54 256 151	4 4410 0	237	76763	4 6137 9	200
200 967	4 4311 0	233	54 256 907	0 1613 1	39	76781	4 6136 9	200
200 969	4 4009 0	229	54 257 833	4 4411 0	237	76786	4 6137 9	200
200 970	4 4131 0	231	54 258 592	0 1614 1	39	76796	4 6137 9	200
200 971	4 4123 0	231	54 259 517	0 1615 1	39	76800	4 6137 9	200
200 972	4 4304 0	233	54 269 480	4 4264 0	241	76803	4 6137 9	200
420 350	4 2201 0	215	54 269 790	4 4418 0	237	76804	4 6137 9	200
420 351	4 2202 0	215	54243783	4 5158 1	165	76815	4 6137 9	200

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

LUCAS	IKA	PAGE	LUCAS	IKA	PAGE	LUCAS	IKA	PAGE
76820	4 6137 9	200	76983	4 6139 9	200	TAJ 103	0 1958 1	36
76821	4 6137 9	200	76997	4 6180 9	200	TAJ 105	0 1951 1	34
76823	4 6137 9	200	77010	4 6136 9	200	TAJ 106	0 1982 1	37
76824	4 6137 9	200	77011	4 6139 9	200	TAJ 114	0 1992 1	37
76825	4 6136 9	200	77014	4 6136 9	200	TAJ 200	0 1949 1	45
76826	4 6137 9	200	77021	4 6139 9	200	TAJ 203	0 1971 1	46
76827	4 6137 9	200	77025	4 6136 9	200	TAJ 209	0 1983 1	48
76833	4 6136 9	200	77032	4 6136 9	200	TAJ 400	0 1945 1	20
76834	4 6136 9	200	77034	4 6137 9	200	TAJ 401	0 1966 1	21
76835	4 6136 9	200	77035	4 6137 9	200	TAJ 403	0 1984 1	22
76836	4 6136 9	200	77040	4 6180 9	200	TAJ 405	0 1991 1	23
76837	4 6137 9	200	77052	4 6136 9	200	TAJ 407	0 1988 1	23
76850	4 6137 9	200	77058	4 6137 9	200	TAJ 409	0 1985 1	22
76852	4 6137 9	200	77089	4 6180 9	200	TAJ 410	0 1984 1	22
76854	4 6136 9	200	77109	4 6136 9	200	TCB 114	4 4400 0	237
76855	4 6137 9	200	77121	4 6138 9	200	TCB 118	4 4698 1	265
76862	4 6136 9	200	77121A	4 6138 9	200	TCB 120	4 4412 0	237
76869	4 6136 9	200	77128	4 6139 9	200	TCB 124	4 4403 0	237
76871	4 6137 9	200	77131	4 6138 9	200	TMB120	4 5130 1	165
76881	4 6136 9	200	77141	4 6138 9	200	TMB148	4 5113 1	165
76885	4 6137 9	200	77143	4 6138 9	200	TMB170	4 5113 1	165
76888	4 6139 9	200	77157	4 6137 9	200	TNB108	4 5161 1	166
76891	4 6137 9	200	77160	4 6137 9	200	TNB167	4 5103 1	165
76892	4 6137 9	200	77169	4 6139 9	200	TOB103	4 6139 9	200
76894	4 6137 9	200	78871	4 6137 9	200	TOB108	4 6136 9	200
76895	4 6137 9	200	BCH06604 closed	8 8200 0	250	TOB109	4 6137 9	200
76897	4 6137 9	200	BCH06604 open	8 8277 0	250	TOB110	4 6136 9	200
76899	4 6137 9	200	TAB 106	0 1613 1	39	TOB111	4 6136 9	200
76900	4 6136 9	200	TAB 113	0 1622 1	40	TOB113	4 6137 9	200
76901	4 6180 9	200	TAB 114	0 1612 1	40	TOB119	4 6139 9	200
76902	4 6137 9	200	TAB 116	0 1620 1	40	TOB121	4 6137 9	200
76906	4 6139 9	200	TAB 117	0 1617 1	39	TOB123	4 6180 9	200
76908	4 6137 9	200	TAB 118	0 1615 1	39	TOB125	4 6180 9	200
76910	4 6136 9	200	TAB 119	0 1614 1	39	TOB128	4 6139 9	200
76911	4 6136 9	200	TAB 120	0 1609 1	39	TOB131	4 6139 9	200
76912	4 6136 9	200	TAB 124	0 1628 1	40	TOB133	4 6136 9	200
76913	4 6136 9	200	TAB 125	0 1609 1	39	TOB134	4 6137 9	200
76923	4 6138 9	200	TAB 131	0 1624 1	41	TOB162	4 6137 9	200
76925	4 6139 9	200	TAB 133	0 1611 1	41	TOB183	4 6180 9	200
76926	4 6180 9	200	TAB 134	0 1611 1	41	TPB104	4 6138 9	200
76928	4 6136 9	200	TAB 135	0 1607 1	41	TPB111	4 6138 9	200
76940	4 6137 9	200	TAB 136	0 1623 1	41	TPB116	4 6138 9	200
76956	4 6136 9	200	TAJ 100	0 1960 1	36	TPB118	4 6138 9	200
76961	4 6137 9	200	TAJ 101	0 1969 1	36	TPB119	4 6138 9	200
76982	4 6137 9	200	TAJ 102	0 1942 1	34	UMB 113	8 8200 0	250



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

<b>LUCAS</b>	<b>IKA</b>	<b>PAGE</b>	<b>MARELLI / FIAT</b>	<b>IKA</b>	<b>PAGE</b>	<b>MARELLI / FIAT</b>	<b>IKA</b>	<b>PAGE</b>
UMB 115	8 8277 0	250	607 512 03	8 4079 0	246	748 811 10	4 4300 0	233
UMB 129	8 8277 0	250	632 235 37	4 4316 0	233	748 878 90	4 4311 0	233
			636 004 00	4 6182 9	202	74866611	4 5155 1	170
<b>LUK</b>	<b>IKA</b>	<b>PAGE</b>	636 004 03	4 6184 9	202	74867401	4 5155 1	170
7100135	8 8681 0	252	636 004 83	4 6184 9	202	74868261	4 5080 1	167
7100136	8 8664 0	251	636 004 93	4 6184 9	202	74874241	4 5155 1	170
7100137	8 8673 0	251	636 005 02	4 6184 9	202	74893901	4 5128 1	169
7120721	8 4098 0	249	636 005 05	4 6184 9	202	752 069 91	8 8983 0	253
7150121	8 4209 0	249	636 005 08	4 6184 9	202	752 069 99	8 8693 0	252
7170001	8 8200 0	250	636 009 01	4 6183 9	202	773 638 17	7 7229 1	83
7170002	8 8684 0	252	636 338 01	4 6142 9	201	773 641 02	7 7229 1	83
7170013	8 8693 0	252	636 338 06	4 6142 9	201	773 642 66	7 7288 1	87
7170015	8 4097 0	248	636 338 25	4 6142 9	201	773 651 21	7 7536 1	96
7170016	8 4092 0	247	636 339 01	4 6213 9	203	773 652 87	7 7291 1	88
7170017	8 8663 0	251	636 339 01	4 6143 9	201	790 366 83	4 6142 9	201
7170020	8 2269 0	246	636 339 02	4 6143 9	201	790 522 73	8 8693 0	252
7170021	8 2260 0	245	636 339 02	4 6213 9	203	790 522 75	8 8983 0	253
7170022	8 2256 0	245	636 339 25	4 6213 9	203	798 500 03	8 8693 0	252
7170023	8 2258 0	245	636 339 25	4 6143 9	201	798 500 07	8 8983 0	253
7170025	8 4096 0	248	636 339 33	4 6143 9	201	8121714	4 5146 1	169
7170027	8 4079 0	246	636 339 33	4 6213 9	203	822 563 22	8 8983 0	253
7170029	8 4095 0	247	636 938 01	4 6142 9	201	822 744 31	8 8693 0	252
7170030	8 4099 0	249	63602404	4 6155 9	201	832 204 61	7 7193 1	124
7170043	8 4207 0	249	672 541	4 4302 0	233	832 212 41	7 7192 1	124
7170047	8 8674 0	252	708 040 60	8 4096 0	248	832 222 70	8 4079 0	246
7170048	8 4091 0	247	721 641 01	7 7395 1	126	832 244 61	7 7190 1	124
7170058	8 8277 0	250	721 641 02	7 7396 1	126	832 253 26	7 7190 1	124
7170059	8 8665 0	251	721 647 01	7 7397 1	126	832 258 86	7 7194 1	124
7170095	8 4090 0	247	721 650 01	7 7398 1	126	832 263 36	7 7191 1	124
7220255	8 8693 0	252	72159801	4 5129 1	169	83226407	4 5093 1	167
7220441	8 8118 0	249	723 625 10	4 4306 0	233	83226569	4 5126 1	168
			723 627 01	7 7397 1	126	83227285	4 5165 1	170
<b>MARELLI / FIAT</b>	<b>IKA</b>	<b>PAGE</b>	723 629 10	4 4307 0	233	850 208	4 4354 0	234
4 007 952	4 4304 0	233	723 650 10	4 4308 0	233	855 302 80	4 6184 9	202
4 047 985	4 4305 0	233	72378801	4 5146 1	169	855 302 90	4 6184 9	202
4 114 431	4 4300 0	233	72399501	4 5146 1	169	855 303 30	4 6183 9	202
4 114 442	4 4301 0	233	74372530	4 5001 1	146	855 400 01	4 6183 9	202
4059392	4 5080 1	167	74372580	4 5000 1	146	855 400 11	4 6142 9	201
4061018	4 5080 1	167	74372630	4 5000 1	146	855 402 11	4 6213 9	203
542 944 44	7 7193 1	124	747 057 10	4 4304 0	233	855 402 11	4 6143 9	201
542 945 80	4 2224 0	223	747 058 10	4 4354 0	234	855 402 21	4 6142 9	201
54268141	4 5161 1	166	748 603 00	4 4300 0	233	855 402 31	4 6197 9	202
54293455	4 5075 1	165	748 603 80	4 4301 0	233	855 402 81	4 6184 9	202
54294771	4 5094 1	168	748 661 40	4 4305 0	233	855 404 71	4 6197 9	202
54294922	4 5161 1	166	748 682 10	4 4302 0	233	855 404 73	4 6197 9	202

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

MARELLI / FIAT	IKA	PAGE	MARELLI / FIAT	IKA	PAGE	MELCO	IKA	PAGE
855 405 01	4 6197 9	202	9939784	4 5135 1	155	M191X68171	4 5119 1	173
855 405 61	4 6183 9	202	994 6840	8 4097 0	248	M191X68471	4 5034 1	172
855 407 21	4 6184 9	202	9941306	4 5079 1	167	M191X68671	4 5030 1	171
855 408 21	4 2245 0	223	995 0124	8 4079 0	246	M191X68785	4 5119 1	173
855 408 22	4 2245 0	223	9956426	4 5146 1	169	M191X69271	4 5072 1	172
855 409 81	4 6199 9	202	IE38A	4 6142 9	201	M191X69771	4 5089 1	172
855 409 91	4 6197 9	202	IE38AA	4 6142 9	201	M191X93771	4 5089 1	172
855 410 03	4 6174 9	201				M191X94271	4 5098 1	173
855 410 10	4 6203 9	203	<b>MELCO</b>	<b>IKA</b>	<b>PAGE</b>	M191X94471	4 5110 1	173
855 413 550	4 6201 9	202	028510-0500	0 1988 1	23	M321X04471	7 7526 1	130
855 414 00	4 6203 9	203	028510-0670	0 1988 1	23	M321X04771	7 7526 1	130
855 414 20	4 6161 9	201	5001857622	4 5089 1	172	M321X05171	7 7526 1	130
8554 1333	0 1615 1	39	DB501005C	8 4210 0	249	M321X07071	7 7526 1	130
8554 1338	0 1615 1	39	E64457044M	0 1949 1	45	M321X07076	7 7275 1	128
8554 1476	0 1614 1	39	K437 450-0	0 1940 1	20	M321X10276	7 7528 1	131
8554 1491	0 1609 1	39	M001T50172	0 1990 1	48	M321X15071	7 7628 1	131
85540151	4 5129 1	169	M001T50471	0 1990 1	48	M357X77971	4 5078 1	172
85540271	4 5155 1	170	M0T20871	0 1999 1	49	M357X91372	4 5019 1	171
85540411	4 5079 1	167	M135C00171	4 2228 0	224	M371X07371	7 7525 1	130
85540751	4 5155 1	170	M135X00871	4 2228 0	224	M371X07371	7 7625 1	131
85540831	4 5029 1	167	M191T12070	4 5016 1	171	M371X64271	4 6198 9	204
85540971	4 5018 1	167	M191T12071	4 5016 1	171	M371X64273	4 6198 9	204
85541050	4 5029 1	167	M191T12471	4 5016 1	171	M371X64471	4 6198 9	204
85541220	4 5118 1	168	M191T13671	4 5019 1	171	M371X74471	4 6198 9	204
85541270	4 5138 1	169	M191T14671	4 5019 1	171	M372X00171	4 6188 9	204
85541300	4 5093 1	167	M191T15071	4 5028 1	171	M372X00471	4 6149 9	204
85541390	4 5117 1	168	M191T15871	4 5087 1	172	M372X02371	4 6188 9	204
85541454	4 5161 1	166	M191T22071	4 5011 1	171	M409C12670	4 4458 0	238
85541459	4 5103 1	165	M191T22371	4 5011 1	171	M409C12870	4 4470 0	238
85541462	4 5113 1	165	M191T22771	4 5009 1	171	M409C12970	4 4464 0	238
85541466	4 5113 1	165	M191T22971	4 5011 1	171	M409C32370	4 4465 0	238
85541479	4 5161 1	166	M191T23071	4 5011 1	171	M409C32401	4 4484 0	238
85541700	4 5126 1	168	M191T23471	4 5011 1	171	M409D30201	4 4464 0	238
85541780	4 5018 1	167	M191T30974	4 5159 1	174	M409X32571	4 4484 0	238
85553621	4 5186 1	170	M191T33371	4 5159 1	174	M410D11271	4 4456 0	238
9 927 783	4 4307 0	233	M191T34071	4 5159 1	174	M410D12171	4 4456 0	238
9 927 787	4 4306 0	233	M191T35171	4 5159 1	174	M410D12670	4 4458 0	238
9 927 789	4 4307 0	233	M191T40971	4 5169 1	174	M647C00171	0 1956 1	46
9 927 796	4 4308 0	233	M191T68471	4 5034 1	172	M647C00271	4 4464 0	238
9 938 368	4 4300 0	233	M191T68771	4 5119 1	173	M647C00271	0 1953 1	45
9 939 199	4 4077 0	230	M191T68971	4 5142 1	173	M647C00272	0 1953 1	45
992 0351	8 8983 0	253	M191T94571	4 5050 1	172	M647C00371	0 1954 1	45
992 0664	8 8693 0	252	M191X67771	4 5030 1	171	M647C00571	0 1953 1	45
992 5365	8 8275 0	250	M191X67871	4 5030 1	171	M647C00573	0 1953 1	45
993 9203	8 4079 0	246	M191X68071	4 5028 1	171	M647C00671	0 1954 1	45

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

MELCO	IKA	PAGE	MELCO	IKA	PAGE	MELCO	IKA	PAGE
M647C00871	0 1976 1	46	M648C32971	0 1954 1	45	M649T09371	7 7187 1	128
M647C00871	4 4464 0	238	M648C35871	0 1999 1	49	M649T09471	7 7187 1	128
M647C01771	0 1954 1	45	M648D10471	0 1980 1	45	M649T20471	7 7374 1	129
M647X03471	0 1941 1	45	M648D20671	0 1957 1	46	M649T20471	7 7274 1	128
M647X04271	0 1941 1	45	M648D20771	0 1957 1	46	M649X01371	7 7183 1	127
M647X04571	0 1941 1	45	M648X28271	0 1994 1	48	M649X02572	7 7182 1	127
M647X05571	0 1941 1	45	M648X28671	7 7384 1	129	M649X03573	7 7182 1	127
M647X05871	0 1941 1	45	M648X28671	0 1995 1	48	M649X04473	7 7389 1	130
M647X05971	0 1941 1	45	M648X28771	0 1971 1	46	M649X09571	7 7189 1	128
M647X06571	0 1941 1	45	M648X30971	0 1971 1	46	M649X20171	7 7389 1	130
M648C10171	0 1949 1	45	M648X40811	0 1972 1	47	M649X20471	7 7274 1	128
M648C10371B	0 1967 1	47	M648X40871	0 1972 1	47	M649X20471	7 7374 1	129
M648C10671	0 1949 1	45	M649D30201	4 4464 0	238	M649X20771	7 7527 1	131
M648C12170	0 1971 1	46	M649T01271	7 7187 1	128	MD602069	0 1967 1	47
M648C12170	0 1970 1	46	M649T01272	7 7187 1	128	MD602468	0 1971 1	46
M648C12370	0 1970 1	46	M649T01273	7 7187 1	128	MD602470	0 1971 1	46
M648C13770	0 1970 1	46	M649T01371	7 7183 1	127	MD602470	0 1970 1	46
M648C13770	0 1971 1	46	M649T01471	7 7389 1	130	MD602591	4 4464 0	238
M648C13770	0 1967 1	47	M649T01671	7 7188 1	128	MD602593	0 1980 1	45
M648C13771	0 1971 1	46	M649T02171	7 7185 1	127	MD602594	0 1980 1	45
M648C14870	0 1981 1	47	M649T02171	0 1973 1	47	MD602686	4 4456 0	238
M648C14871	0 1983 1	48	M649T02172	0 1973 1	47	MD604062	4 4457 0	232
M648C14970	0 1983 1	48	M649T02271	7 7183 1	127	MD604067	0 1940 1	20
M648C14970	0 1981 1	47	M649T02272	7 7183 1	127	MD604240	0 1945 1	20
M648C14971	0 1983 1	48	M649T02471	7 7389 1	130	MD604256	0 1935 1	20
M648C15070	0 1983 1	48	M649T03571	7 7182 1	127	MD604474	0 1935 1	20
M648C15070	0 1981 1	47	M649T03571	0 1970 1	46	MD604643	0 1938 1	20
M648C15372	0 1994 1	48	M649T04071	7 7389 1	130	MD604916	0 1985 1	22
M648C15472	0 1994 1	48	M649T04372	0 1989 1	48	MD607283	4 5159 1	174
M648C16471	0 1956 1	46	M649T04372	0 1936 1	45	MD607389	0 1970 1	46
M648C16970	0 1983 1	48	M649T04471	7 7189 1	128	MD607389	0 1971 1	46
M648C16971	0 1983 1	48	M649T04871	7 7183 1	127	MD607461	0 1936 1	45
M648C20371	0 1957 1	46	M649T04971	7 7625 1	131	MD607461	0 1989 1	48
M648C22371	0 1957 1	46	M649T04971	7 7525 1	130	MD607554	0 1981 1	47
M648C24471	0 1957 1	46	M649T04971	0 1972 1	47	MD607554	0 1983 1	48
M648C24472	0 1957 1	46	M649T04972	0 1972 1	47	MD607555	7 7183 1	127
M648C25271	0 1936 1	45	M649T04972	7 7525 1	130	MD607556	0 1983 1	48
M648C25273	0 1936 1	45	M649T04972	7 7625 1	131	MD607556	0 1981 1	47
M648C25671	0 1972 1	47	M649T05071	7 7386 1	130	MD607634	4 6149 9	204
M648C25671	0 1973 1	47	M649T05071	7 7186 1	127	MD607741	4 4458 0	238
M648C25672	0 1972 1	47	M649T05072	7 7384 1	129	MD607892	4 4464 0	238
M648C26371	0 1995 1	48	M649T06871	7 7187 1	128	MD607894	4 5011 1	171
M648C28371	0 1972 1	47	M649T06971	7 7188 1	128	MD607897	0 1956 1	46
M648C28571	0 1972 1	47	M649T07371	7 7625 1	131	MD607898	4 4464 0	238
M648C31171	0 1953 1	45	M649T07371	7 7525 1	130	MD607899	0 1956 1	46

# VERGLEICHSLISTE CROSS REFERENCE LIST

MELCO	IKA	PAGE	MELCO	IKA	PAGE	MONARK	IKA	PAGE
MD607903	4 4465 0	238	MM502019	0 1957 1	46	085 831 432	7 7131 1	78
MD607926	7 7183 1	127	MM502135	0 1957 1	46	085 831 506	7 7202 1	80
MD607949	0 1967 1	47	MM502344	0 1967 1	47	085 831 519	7 7206 1	81
MD608273	4 5159 1	174	MR 922747	7 7124 1	76	085 831 531	7 7205 1	81
MD611024	0 1973 1	47	MR922747	7 7812 1	112	085 831 533	7 7222 1	82
MD611042	4 4470 0	238	S933P65270	8 8305 0	250	085 831 536	7 7293 1	89
MD611211	4 5016 1	171	S933P70605	8 8314 0	250	085 831 572	7 7514 1	93
MD611216	0 1953 1	45	S933P70669	8 8314 0	250	085 831 599	7 7288 1	87
MD611216	4 4464 0	238	TLA121712	8 8305 0	250	085 831 619	7 7203 1	80
MD611217	0 1953 1	45	TLA141912ZE01	8 8161 0	250	085 831 636	7 7234 1	84
MD611372	4 5011 1	171	TLAM101515UE09	8 8314 0	250	085 831 650	7 7290 1	88
MD611591	4 6198 9	204				085 831 663	7 7504 1	91
MD611731	7 7187 1	128	<b>MONARK</b>	<b>IKA</b>	<b>PAGE</b>	085 831 815	7 7125 1	77
MD611731	0 1976 1	46	002 065 961	4 3396 0	275	085 831 900	7 7121 1	76
MD611731	4 4464 0	238	083 101 006	4 6054 1	185	085 831 901	7 7122 1	76
MD611918	0 1954 1	45	083 450 001	4 6035 1	185	085 831 907	7 7124 1	76
MD611918	7 7187 1	128	083 776 001	4 4004 0	229	085 831 909	7 7129 1	77
MD618334	4 4484 0	238	083 776 011	4 4011 0	229	085 831 916	7 7125 1	77
MD618447	0 1971 1	46	083 776 012	4 4012 0	229	085 831 949	7 7132 1	78
MD618460	0 1994 1	48	083 776 021	4 4021 0	229	085 831 951	7 7126 1	77
MD618513	7 7183 1	127	083 776 022	4 4022 0	229	085 831 954	7 7124 1	76
MD618538	4 2228 0	224	083 776 046	4 4004 0	229	085 831 955	7 7129 1	77
MD618619	0 1976 1	46	083 776 054	4 4054 0	229	085 831 958	7 7127 1	77
MD618963	4 5028 1	171	083 776 056	4 4056 0	230	085 832 990	7 7130 1	78
MD619204	4 5034 1	172	083 776 317	4 4093 0	230	085 836 027	7 7115 1	75
MD620980	4 5076 1	179	083 776 347	4 4077 0	230	085 836 028	7 7119 1	75
ME 700047	7 7625 1	131	083 776 420	4 4080 0	230	085 836 031	7 7120 1	76
ME 700939	7 7625 1	131	083 777 000	4 4103 0	230	085 836 041	7 7119 1	75
ME700047	0 1972 1	47	083 777 004	4 4104 0	231	085 836 041	7 7115 1	75
ME700047	7 7525 1	130	083 777 015	4 4115 0	231	085 836 078	7 7136 1	79
ME700127	0 1994 1	48	083 777 016	4 4116 0	231	085 836 085	7 7137 1	79
ME700140	0 1995 1	48	083 777 019	4 4000 0	229	086 398 303	4 2201 0	215
ME700200	0 1949 1	45	083 777 026	4 4126 0	231	086 398 307	4 2202 0	215
ME700290	0 1972 1	47	083 777 036	4 4136 0	231	086 398 312	4 2207 0	216
ME700299	0 1973 1	47	083 777 037	4 4137 0	231	086 398 322	4 2205 0	216
ME700304	0 1973 1	47	083 777 041	4 4141 0	231	086 456 527	4 6027 1	275
ME700858	0 1973 1	47	083 777 043	4 4142 0	231	087 065 805	0 3811 1	257
ME700939	0 1972 1	47	083 965 005	8 8693 0	252	087 065 826	4 3397 0	275
ME700939	7 7525 1	130	083 965 012	8 8665 0	251	087 065 827	4 3394 0	274
ME701169	0 1995 1	48	083 965 013	8 4092 0	247	087 065 860	4 2263 1	258
ME701188	0 1994 1	48	083 965 015	8 8663 0	251	087 065 861	4 2273 1	258
ME701467	7 7274 1	128	083 965 384	8 4079 0	246	087 065 990	0 3812 1	257
ME701467	7 7374 1	129	085 831 050	7 7123 1	76	087 070 084	0 1194 1	10
ME701495	7 7527 1	131	085 831 217	7 7812 1	112	095 235 288	7 7146 1	136
MF022002	0 1935 1	20	085 831 341	7 7133 1	78	095 235 290	7 7159 1	137

# VERGLEICHSLISTE CROSS REFERENCE LIST

MONARK	IKA	PAGE	REMY	IKA	PAGE	REMY	IKA	PAGE
095 235 290	7 7159 2	138	19070190	4 6164 9	190	943 7305	8 8200 0	250
095 235 822	7 7149 1	136	19070191	4 6169 9	191	943 8527	8 8200 0	250
095 235 823	7 7147 1	136	1936647	4 5184 1	176	944 0923	8 4079 0	246
			194 5509	4 4201 0	240	944 1510	8 8674 0	252
<b>PAL-MAGNETON</b>	<b>IKA</b>	<b>PAGE</b>	1943628	4 4207 0	240	944 1512	8 8683 0	252
02-8014-09	4 5081 1	175	1946945	4 5184 1	176	DR 1901	4 7161 0	284
103 903 552	4 4247 0	239	1957846	4 5184 1	176	DR 700	0 1251 1	53
114 904 550	4 4248 0	239	196 2606	4 4205 0	240	DR 751	0 1250 1	53
323 125 436 125	4 4241 0	239	197 9387	7 7176 1	132	RF120	4 0751 0	284
323 125 527 127	4 4240 0	239	197 9494	7 7176 1	132			
323 125 527 131	4 4243 0	239	1970711	4 5184 1	176	<b>VALEO</b>	<b>IKA</b>	<b>PAGE</b>
323 125 723 125	4 4247 0	239	1977005	4 5184 1	176	028 936	4 4260 0	241
323 622 642 933	4 4248 0	239	198 4974	7 7180 1	133	030 828	4 4259 0	241
324592000	8 8671 0	251	198 5065	7 7180 1	133	047 852	4 4354 0	234
324592003	8 8671 0	251	198 8096	4 4202 0	240	049 785	4 4353 0	241
360 904 550	4 4243 0	239	198 8121	7 7168 1	132	050 488	4 4352 0	241
360 904 551	4 4240 0	239	198 8122	7 7168 1	132	051 914	4 4265 0	241
390 905 550	4 4245 0	239	198 8439	7 7168 1	132	052 123	4 4353 0	241
397 907 552	4 4241 0	239	1984974	7 7380 1	134	055 330	4 4361 0	241
751 904 552	4 4244 0	239	2102 3232	4 2219 0	226	059427	4 5041 1	177
			2102 3719	4 2219 0	226	068 412	4 4264 0	241
			2102 3994	4 2218 0	226	068 449	4 4353 0	241
<b>REMY</b>	<b>IKA</b>	<b>PAGE</b>	2102 4210	4 2218 0	226	068 763	4 4351 0	241
1045 6456	7 7178 1	132	347 1069	4 4136 0	231	068 888	4 4260 0	241
10451980	4 5037 1	176	347 1505	0 1251 1	53	068 902	4 4265 0	241
1046 8705	7 7175 1	132	347 1506	0 1250 1	53	068 903	4 4265 0	241
1046 8706	7 7175 1	132	347 1553	4 4136 0	231	073 294	4 1000 0	285
1046 9238	7 7175 1	132	347 1783	0 1295 1	53	074 330	4 4364 0	242
1047 0140	7 7175 1	132	347 1834	0 1295 1	53	074 332	4 4361 0	241
1047 2352	7 7263 1	133	347 2455	8 8684 0	252	074 952	4 4355 0	241
1047 5107	7 7264 1	133	745 1763	8 8200 0	250	076980	4 5054 1	178
1047 5602	7 7169 1	132	745 1782	8 4207 0	249	078 039	4 4350 0	241
1047 5632	4 2223 0	225	745 1931	8 8200 0	250	079333	4 5136 1	180
1047 6006	7 7263 1	133	745 4763	8 8200 0	250	084 909	4 4265 0	241
10475974	4 5037 1	176	798 2870	8 8684 0	252	092718	4 5136 1	180
1048 3523	8 8683 0	252	941 8076	8 8200 0	250	093623	4 5054 1	178
10510651	4 5074 1	176	942 4225	8 8200 0	250	094 909	4 4259 0	241
1055503	4 5049 1	176	942 7225	8 8200 0	250	094635	4 5136 1	180
119025715	4 5005 1	146	943 2068	8 8200 0	250	095 654	4 4363 0	242
1800068	4 5184 1	176	943 3301	8 8277 0	250	096 485	4 4351 0	241
189 4635	4 4201 0	240	943 6831	8 8200 0	250	097 726	4 4264 0	241
1893560	4 5184 1	176	943 7171	8 4207 0	249	097 804	4 1002 0	285
1894213	4 5184 1	176	943 7211	8 8277 0	250	097062	4 5054 1	178
19024524	4 5059 1	151	943 7221	8 8277 0	250	098 888	4 4257 0	241
19024525	4 5063 1	152	943 7222	8 8277 0	250	099931	4 5060 1	178
190245520	4 5005 1	146						

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

VALEO	IKA	PAGE	VALEO	IKA	PAGE	VALEO	IKA	PAGE
101598	4 5136 1	180	182 146	0 1755 1	57	190097	7 7149 1	136
102190	4 6220 9	212	182 158	4 4654 1	269	190694	4 5120 1	180
102217	4 6179 9	211	182 162	0 1756 1	57	190986	7 7149 1	136
105 464	4 4371 0	242	182 194	0 1355 1	65	191 141	7 7147 1	136
105 465	8 8118 0	249	182047	4 5004 1	177	191 821	7 7147 1	136
105 715	4 4372 0	242	182176	4 5012 1	177	191 823	7 7147 1	136
105538	4 5004 1	177	183 957	7 7151 1	136	191 824	7 7146 1	136
106142	4 6135 9	210	184530	4 5012 1	177	191060	7 7149 1	136
106143	4 6135 9	210	184795	4 5137 1	180	191141	7 7149 1	136
108458	4 6220 9	212	184917	4 5060 1	178	191335	7 7146 1	136
180827	4 5012 1	177	185 467	8 8668 0	251	191362	4 5154 1	181
181 961	7 7150 1	136	185 468	8 2260 0	245	191548	4 5096 1	179
182 037	0 1780 1	62	185 936	8 4079 0	246	191601	4 5053 1	178
182 050	4 4663 1	270	185 951	8 4096 0	248	191769	4 5068 1	179
182 051	0 1776 1	59	185182	4 5004 1	177	191775	4 5120 1	180
182 054	0 1775 1	59	185441	4 5160 1	181	191821	7 7149 1	136
182 061	4 4662 1	270	185675	4 5012 1	177	191822	7 7149 1	136
182 063	4 4674 1	270	185915	4 5020 1	177	191823	7 7149 1	136
182 064	0 1757 1	58	186 381	7 7151 1	136	191984	7 7149 1	136
182 065	0 1766 1	58	186 663	8 2269 0	246	192 984	7 7149 1	136
182 066	0 1770 1	58	186020	4 5160 1	181	192125	4 5171 1	181
182 067	0 1770 1	58	186169	0 1979 1	50	192651	4 5097 1	179
182 070	0 1760 1	58	186448	8 4097 0	248	192929	4 5071 1	179
182 071	0 1757 1	58	186456	4 5012 1	177	193 288	7 7146 1	136
182 072	0 1760 1	58	186798	4 5023 1	177	193013	4 5088 1	179
182 096	4 4659 1	270	187 517	7 7159 1	137	193462	4 5067 1	178
182 098	0 1742 1	57	187 626	7 7159 1	137	193512	4 5182 1	181
182 099	0 1759 1	58	187 946	7 7165 1	138	194404	7 7604 1	139
182 101	0 1760 1	58	187077	4 5076 1	179	194440	4 5108 1	180
182 112	0 1759 1	58	187328	4 5045 1	178	194480	4 5108 1	180
182 113	0 1759 1	58	187336	4 5026 1	177	195 713	7 7603 1	138
182 114	0 1746 1	57	187387	0 1979 1	50	195253	7 7604 1	139
182 115	0 1746 1	57	187388	0 1979 1	50	195253	7 7602 1	138
182 116	0 1757 1	58	187389	0 1979 1	50	199 411	7 7601 1	138
182 117	0 1746 1	57	187390	0 1979 1	50	1NE197	4 5060 1	178
182 118	0 1769 1	58	187528	4 5041 1	177	20 856	0 1361 1	65
182 132	0 1750 1	57	187863	4 5026 1	177	200 393	7 7146 1	136
182 133	0 1759 1	58	187996	4 5026 1	177	300 679	0 1746 1	57
182 134	0 1750 1	57	188251	4 5026 1	177	300 700	0 1759 1	58
182 135	0 1759 1	58	188270	4 5099 1	180	300 706	0 1770 1	58
182 136	4 4658 1	269	188993	4 5043 1	178	300 841	0 1771 1	59
182 139	4 4657 1	269	190 053	8 8674 0	252	300 842	0 1771 1	59
182 140	4 4653 1	269	190 097	7 7147 1	136	494813	4 6119 9	209
182 142	4 4656 1	269	190 986	7 7147 1	136	494822	4 6157 9	210
182 145	0 1750 1	57	190 987	7 7146 1	136	502326	4 6110 9	209

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

VALEO	IKA	PAGE	VALEO	IKA	PAGE	VALEO	IKA	PAGE
553 768	8 4079 0	246	594047	4 6111 9	209	594426	4 6004 1	206
555649	7 7165 1	138	594048	4 6131 9	210	594426	4 6105 9	209
556 255	8 2260 0	245	594060	0 3778 1	60	594438	4 6017 1	208
571 234	8 2256 0	245	594063	0 3779 1	61	594447	4 6018 1	209
571 321	8 4099 0	249	594064	0 3777 1	60	594449	4 6162 9	211
571 396	8 2258 0	245	594084	4 1001 0	285	594451	4 5120 1	180
583 041	0 1367 1	65	594087	4 6228 9	212	594452	4 6008 1	207
583 348	4 4674 1	270	594108	4 5160 1	181	594467	4 6006 1	207
589074	4 5136 1	180	594117	4 6000 1	206	594479	7 7159 2	138
594 060	0 1773 1	60	594118	4 6105 9	209	594534	4 3840 0	286
594 062	0 1773 1	60	594119	4 6111 9	209	594535	4 3840 0	286
594 063	0 1777 1	61	594127	0 3779 1	61	594613	4 6002 1	206
594 064	0 1783 1	60	594140	4 6105 9	209	594617	4 6009 1	207
594 065	0 1766 1	58	594169	0 3780 1	61	594631	4 5071 1	179
594 066	0 1770 1	58	594177	4 5023 1	177	594632	4 6171 9	211
594 070	7 7151 1	136	594181	4 6003 1	206	594635	4 5154 1	181
594 072	7 7150 1	136	594181	4 6162 9	211	594646	4 6019 1	209
594 123	0 1777 1	61	594183	4 6192 9	211	594646	4 6225 9	212
594 124	0 1777 1	61	594183	4 6013 1	208	594653	4 6011 1	207
594 125	0 1777 1	61	594183	4 6131 9	210	594657	4 5154 1	181
594 160	0 1777 1	61	594185	4 5020 1	177	594665	4 5096 1	179
594 161	0 1777 1	61	594188	4 6014 1	208	594674	7 7602 1	138
594 165	0 1777 1	61	594208	4 6015 1	208	594696	4 5171 1	181
594 169	0 1768 1	61	594245	4 5004 1	177	594699	4 5099 1	180
594 174	0 1777 1	61	594247	4 5076 1	179	594704	4 6193 9	211
594 179	0 1777 1	61	594248	4 5045 1	178	594706	7 7604 1	139
594 254	0 1777 1	61	594252	4 5023 1	177	594725	4 5097 1	179
594 290	7 7159 1	137	594257	0 3779 1	61	594726	4 5182 1	181
594 317	0 1778 1	61	594271	4 6001 1	206	594729	4 5067 1	178
594 351	7 7159 1	137	594279	4 5041 1	177	594734	4 5108 1	180
594 360	0 1778 1	61	594286	0 1747 1	57	594743	4 6226 9	212
594 381	7 7165 1	138	594287	4 5026 1	177	594747	4 5088 1	179
594 386	0 1768 1	61	594290	7 7159 2	138	594780	7 7157 1	137
594 479	7 7159 1	137	594317	0 3781 1	61	594784	4 6012 1	208
594 526	4 3839 1	285	594347	4 6130 9	210	595617	4 6009 1	207
594 528	4 3836 1	285	594348	4 6007 1	207	595731	4 6171 9	211
594 529	4 3838 1	285	594348	4 6194 9	211	595731	4 6010 1	207
594 530	4 3836 1	285	594351	7 7159 2	138	5NE830	4 5160 1	181
594 531	4 3838 1	285	594355	4 6016 1	208	60 567	0 1354 1	65
594019	4 2268 1	226	594360	0 3781 1	61	600 609	4 4253 0	241
594030	4 5102 1	180	594365	4 6156 9	210	600 628	4 4263 0	241
594033	4 5102 1	180	594386	0 3780 1	61	601 476	4 4264 0	241
594034	4 5137 1	180	594389	4 5099 1	180	602 039	4 4263 0	241
594042	4 5012 1	177	594391	4 6159 9	210	604 521	4 4354 0	234
594045	4 6005 1	206	594410	4 5043 1	178	604 541	4 4259 0	241

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

VALEO	IKA	PAGE	VALEO	IKA	PAGE	ZM	IKA	PAGE
606 384	0 1361 1	65	92 878	0 1766 1	58	ZM2381	4 6170 9	191
609 592	0 1361 1	65	92 914	0 1770 1	58	ZM2473	4 6222 9	195
609 778	0 1361 1	65	92 925	0 1769 1	58	ZM2479	4 6223 9	195
618 481	0 1355 1	65	A1200393	7 7146 1	136	ZM2494	4 6194 9	211
618 491	0 1361 1	65	CED5010	4 6162 9	211	ZM2639	4 6227 9	195
618 509	0 1354 1	65	CED5033	4 6130 9	210	ZM2981	4 6195 9	199
618 570	0 1355 1	65	CED5071	4 6004 1	206	ZM3395	4 6155 9	201
618 691	0 1367 1	65	CED5083	4 6162 9	211	ZM3396	4 6209 9	196
618 692	0 1367 1	65	CED528	4 6179 9	211	ZM3479	4 6196 9	192
72 592	0 1757 1	58	CED528	4 6220 9	212	ZM3494	4 6156 9	210
72 593	0 1757 1	58	CED564	4 6005 1	206	ZM3495	4 6157 9	210
72 596	0 1759 1	58	D6RA CE	4 4503 0	242	ZM3497	4 6171 9	211
72 615	0 1756 1	57	D6RA DE	4 4501 0	242	ZM3639	4 6165 9	190
72 617	0 1757 1	58	D6RA DS	4 4504 0	242	ZM3651	4 6197 9	202
72 618	0 1760 1	58	D6RA IM	4 4502 0	242	ZM371	4 6124 9	187
72 619	0 1757 1	58	D6RA10	0 3818 1	268	ZM372	4 6125 9	187
72 620	0 1757 1	58	D6RA8	0 3818 1	268	ZM373	4 6126 9	187
72 621	0 1757 1	58	D7RA IM	4 4505 0	242	ZM378	4 6173 9	191
72 622	0 1757 1	58	NE184	4 5054 1	178	ZM381	4 6127 9	187
72 625	0 1759 1	58	NE209	4 5004 1	177	ZM395	4 6174 9	201
72 628	0 1759 1	58	NE776	4 5012 1	177	ZM396	4 6175 9	201
72 629	0 1759 1	58	NE817	4 5137 1	180	ZM397	4 6224 9	196
72 630	0 1750 1	57	NE832	4 5012 1	177	ZM3993	4 6166 9	204
72 631	0 1746 1	57	NE834	4 5020 1	177	ZM405	4 6176 9	205
72 632	0 1759 1	58	NE878	4 5045 1	178	ZM406	4 6177 9	205
72 734	0 1757 1	58	NE879	4 5076 1	179	ZM410	4 6118 9	198
73 608	0 1760 1	58	NE883	4 5004 1	177	ZM411	4 6178 9	198
73 829	0 1757 1	58	NE-898	4 6131 9	210	ZM4395	4 6158 9	190
75 093	0 1746 1	57	NE-898	4 6192 9	211	ZM4698	4 6198 9	204
75 217	0 1355 1	65	NE949	4 5026 1	177	ZM476	4 6128 9	188
75 226	0 1355 1	65				ZM478	4 6205 9	193
75 238	0 1355 1	65	<b>ZM</b>	<b>IKA</b>	<b>PAGE</b>	ZM490	4 6105 9	209
75 452	0 1742 1	57	ZM101	4 6172 9	196	ZM492	4 6228 9	212
75 707	0 1769 1	58	ZM1479	4 6191 9	192	ZM495	4 6130 9	210
78 166	0 1760 1	58	ZM1495	4 6225 9	212	ZM496	4 6131 9	210
78 865	0 1750 1	57	ZM1496	4 6192 9	211	ZM497	4 6162 9	211
78 900	0 1755 1	57	ZM1498	4 6226 9	212	ZM498	4 6119 9	209
92 433	0 1760 1	58	ZM1590	4 6193 9	211	ZM521	4 6210 9	193
92 435	0 1757 1	58	ZM1596	4 6220 9	212	ZM538	4 6132 9	188
92 655	0 1757 1	58	ZM1639	4 6120 9	187	ZM541	4 6106 9	185
92 656	0 1760 1	58	ZM1731	4 6221 9	195	ZM542	4 6107 9	185
92 694	0 1759 1	58	ZM1975	4 6151 9	189	ZM543	4 6133 9	188
92 695	0 1759 1	58	ZM1976	4 6152 9	189	ZM544	4 6123 9	187
92 744	0 1746 1	57	ZM1981	4 6153 9	198	ZM545	4 6206 9	193
92 824	0 1760 1	58	ZM2371	4 6154 9	189	ZM5492	4 6159 9	210



# VERGLEICHSLISTE

## CROSS REFERENCE LIST

ZM	IKA	PAGE	ZM	IKA	PAGE
ZM574	4 6211 9	193	ZM834	4 6163 9	190
ZM575	4 6108 9	186	ZM835	4 6164 9	190
ZM578	4 6109 9	186	ZM836	4 6187 9	192
ZM580	4 6212 9	194	ZM8381	4 6168 9	190
ZM585	4 6134 9	198	ZM8640	4 6204 9	192
ZM590	4 6110 9	209	ZM874	4 6216 9	194
ZM594	4 6135 9	210	ZM876	4 6217 9	194
ZM595	4 6179 9	211	ZM893	4 6149 9	204
ZM599	4 6111 9	209	ZM894	4 6188 9	204
ZM610	4 6136 9	200	ZM9595	4 6161 9	201
ZM611	4 6180 9	200	ZM972	4 6116 9	186
ZM612	4 6137 9	200	ZM973	4 6218 9	194
ZM613	4 6138 9	200	ZM975	4 6189 9	192
ZM614	4 6139 9	200	ZM976	4 6190 9	192
ZM633	4 6140 9	188	ZM978	4 6117 9	186
ZM6381	4 6167 9	190	ZM993	4 6150 9	204
ZM640	4 6181 9	191			
ZM641	4 6141 9	188			
ZM643	4 6112 9	186			
ZM645	4 6207 9	193			
ZM647	4 6113 9	186			
ZM648	4 6208 9	193			
ZM650	4 6182 9	202			
ZM651	4 6183 9	202			
ZM652	4 6184 9	202			
ZM655	4 6142 9	201			
ZM656	4 6213 9	203			
ZM657	4 6143 9	201			
ZM6595	4 6199 9	202			
ZM6695	4 6200 9	204			
ZM6705	4 6160 9	196			
ZM674	4 6185 9	191			
ZM710	4 6114 9	198			
ZM717	4 6144 9	198			
ZM724	4 6145 9	188			
ZM732	4 6214 9	194			
ZM733	4 6146 9	189			
ZM7395	4 6201 9	202			
ZM741	4 6186 9	191			
ZM742	4 6147 9	189			
ZM744	4 6148 9	189			
ZM7595	4 6203 9	203			
ZM761	4 6115 9	197			
ZM772	4 6215 9	194			
ZM833	4 6169 9	191			

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE
0 1088 1	BSX 184-185	10	0 1173 1	BSX 166	9	0 1464 1	JSX 21-22	26
0 1091 1	BSX 210-211	13	0 1174 1	BSX 177	10	0 1466 1	JSX 23-24-28	26
0 1092 1	BSX 212-213	13	0 1175 1	BSX 174-175	10	0 1467 1	JSX 25-22	26
0 1094 1	BSX 216-217	13	0 1176 1	BSX 178-179	10	0 1468 1	JSX 26-27	26
0 1095 1	BSX 218-219	13	0 1178 1	BSX 202-203	12	0 1469 1	JSX 29-30	26
0 1096 1	BSX 220-221	14	0 1179 1	BSX 186	11	0 1470 1	JSX 31-32	26
0 1100 1	BSX 12	3	0 1180 1	BSX 186-187	11	0 1471 1	JSX 33-34	27
0 1102 1	BSX 33	3	0 1183 1	BSX 190-191	11	0 1472 1	JSX 35-36	27
0 1103 1	BSX 34	3	0 1184 1	BSX 192-193	11	0 1473 1	JSX 35-37	27
0 1104 1	BSX 35	3	0 1186 1	BSX 194-195	11	0 1474 1	JSX 38-39-40 (3)	27
0 1105 1	BSX 39	3	0 1187 1	BSX 196	12	0 1475 1	JSX 38-41	27
0 1106 1	BSX 43 (4)	3	0 1188 1	BSX 200-201	12	0 1476 1	JSX 38-42	28
0 1107 1	BSX 44 (4)	4	0 1194 1	BSX 172-173-174	10	0 1477 1	JSX 40-46-47 (4)	28
0 1121 1	BSX 70	4	0 1197 1	BSX 204-205	12	0 1478 1	JSX 43-45-44 (4)	28
0 1123 1	BSX 74	4	0 1220 1	BSX 222-223	14	0 1479 1	JSX 48-49-50 (3)	28
0 1124 1	BSX 75	4	0 1250 1	RX 120 (2)	53	0 1480 1	JSX 51-52 (2)	29
0 1125 1	BSX 76	4	0 1251 1	RX 120 (4)	53	0 1481 1	JSX 53-54	29
0 1130 1	BSX 93	5	0 1253 1	RX912	55	0 1482 1	JSX 38-40-58 (4)	27
0 1132 1	BSX 96	5	0 1254 1	RX 419-420	55	0 1483 1	JSX 43-45-57 (3)	28
0 1136 1	BSX 100	5	0 1255 1	RX 457-458	55	0 1484 1	JSX 50-55-56 (3)	28
0 1138 1	BSX 102	5	0 1256 1	RX 122H	53	0 1485 1	JSX 51-52-59 (3)	29
0 1140 1	BSX 104 (2)	5	0 1257 1	RX 124H	54	0 1486 1	JSX 51-52-63 (4)	29
0 1147 1	BSX 134-144	5	0 1259 1	RX 134H	54	0 1487 1	JSX 61-62-63 (4)	29
0 1148 1	BSX 135-145	6	0 1260 1	RX 135H	55	0 1490 1	JSX 70-71	30
0 1149 1	BSX 137-143	6	0 1280 1	RX 122	53	0 1491 1	JSX 72-73 Denso	30
0 1150 1	BSX 138-142	6	0 1281 1	RX 124	54	0 1492 1	JSX 74-75-76-77	30
0 1151 1	BSX 139	6	0 1282 1	RX 134	54	0 1493 1	JSX 73 (4)	30
0 1152 1	BSX 140	6	0 1283 1	RX 135	55	0 1522 1	FX 74-78	32
0 1154 1	BSX 146	6	0 1284 1	RX 60	52	0 1523 1	FX 76-77	33
0 1155 1	BSX 147	7	0 1285 1	RX 70 (4)	52	0 1524 1	FX 75	32
0 1156 1	BSX 148	7	0 1286 1	RX 96 (R 120)	52	0 1527 1	FX 70-71	32
0 1157 1	BSX 149	7	0 1287 1	RX 87	52	0 1528 1	FX 70-72	32
0 1158 1	BSX 151	7	0 1288 1	RX 95	52	0 1529 1	FX 73	32
0 1159 1	BSX 151/0	7	0 1291 1	RX 120 (3)	53	0 1530 1	FX 74	32
0 1162 1	BSX 152	7	0 1295 1	RX 120/0 (4)	53	0 1607 1	LASX 81-82	41
0 1164 1	BSX 155	8	0 1296 1	RX 92	52	0 1608 1	LASX 15-16	39
0 1165 1	BSX 157-158	8	0 1344 1	JA-SX 211	71	0 1609 1	LASX 15-27	39
0 1166 1	BSX 159-160	8	0 1345 1	JASX107	71	0 1611 1	LASX 85-84	41
0 1167 1	BSX 157-158 K	8	0 1451 1	JSX 5	25	0 1612 1	LASX 46-47-48	40
0 1168 1	BSX 163-164	9	0 1454 1	JSX 9	25	0 1613 1	LASX 30-31-32	39
0 1169 1	BSX 165	9	0 1455 1	JSX 14	25	0 1614 1	LASX 31	39
0 1170 1	BSX 197	12	0 1457 1	JSX 13 (4)	25	0 1615 1	LASX 36	39
0 1171 1	BSX 170-171	9	0 1459 1	JSX 16	25	0 1617 1	LASX 40-41	39
0 1172 1	BSX 172-173	9	0 1462 1	JSX 19	25	0 1618 1	LASX 42	40

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE	IKA	EURO-REF	PAGE
0 1619 1	LASX 43-44/0	40	0 1773 1	PSX 148-149 w/o.	60	0 1951 1	JA-SX 32-33	34
0 1620 1	LASX 44-45	40	0 1774 1	PSX 148-149/0	60	0 1952 1	JA-SX 31	34
0 1621 1	LASX 73-41	41	0 1775 1	PSX 138-139 (2)	59	0 1953 1	JA-SX 40-41	45
0 1622 1	LASX 43-47-48	40	0 1776 1	PSX 140-141 (4)	59	0 1954 1	JA-SX 42-43	45
0 1623 1	LASX 86-79-80	41	0 1777 1	PSX 148-157 w/o.	61	0 1955 1	JA-SX 10-11	20
0 1624 1	LASX 87-77-78	41	0 1778 1	PSX 148-159 w/o.	61	0 1956 1	JA-SX 45-46	46
0 1628 1	LASX 43-44 w.	40	0 1779 1	PSX 142-143	59	0 1957 1	JA-SX 47-48	46
0 1662 1	MASX 3	43	0 1780 1	PSX 152-153	62	0 1958 1	JA-SX 56-3/0	36
0 1663 1	MASX 13-14	43	0 1783 1	PSX 146-147 w/o.	60	0 1959 1	JA-SX 56-3	35
0 1664 1	MASX 15-16	43	0 1785 1	HX 6 (2)	66	0 1960 1	JA-SX 57-58	36
0 1665 1	MASX 17-18	43	0 1786 1	HX 56 (2)	66	0 1961 1	JA-SX 50-51	35
0 1666 1	MASX 19-20	43	0 1787 1	HX 346	68	0 1962 1	JA-SX 52	21
0 1668 1	MASX 21-22	43	0 1788 1	HX 155	67	0 1963 1	JA-SX 53	21
0 1669 1	MASX 23-24	44	0 1789 1	HX 172	68	0 1964 1	JA-SX 54-55	35
0 1670 1	MASX 25-26	44	0 1790 1	HX 116	67	0 1965 1	JA-SX 62	21
0 1671 1	MASX 27-28	44	0 1791 1	HX 124	67	0 1966 1	JA-SX 63	21
0 1689 1	PLSX 5	51	0 1792 1	HX 341	68	0 1967 1	JA-SX 70	47
0 1690 1	PLSX 3	51	0 1793 1	HX 54	66	0 1968 1	JA-SX 64-65-67	36
0 1691 1	PLSX 4	51	0 1794 1	HX 16	66	0 1969 1	JA-SX 66-67	36
0 1726 1	PSX 156 (4)	62	0 1795 1	HX 3	66	0 1970 1	JA-SX 69-70 (3)	46
0 1727 1	PSX 155 (3)	62	0 1796 1	HX 26	66	0 1971 1	JA-SX 69-70 (4)	46
0 1728 1	PSX 155 (4)	62	0 1797 1	HX 109	67	0 1972 1	JA-SX 71-72	47
0 1735 1	PSX 160-164 D7G	62	0 1798 1	HX 106	67	0 1973 1	JA-SX 71	47
0 1737 1	PSX 161	62	0 1799 1	HX 161	67	0 1974 1	JA-SX 74-75	37
0 1740 1	PSX 163-164	63	0 1800 1	HPIX 1 mot. directio	69	0 1975 1	JA-SX 74	37
0 1743 1	PSX 166-167	63	0 1802 1	HPIX 3	69	0 1976 1	JA-SX 68-73	46
0 1745 1	PSX 169-170	63	0 1921 1	JA-SX 105-106	23	0 1977 1	JA-SX 77-78	21
0 1746 1	PSX 81-82	57	0 1922 1	JA-SX 110-111	49	0 1978 1	JA-SX 26-27	34
0 1747 1	PSX 89-90	57	0 1932 1	JASX103-104	49	0 1979 1	JA-SX 24-25	50
0 1750 1	PSX 83-84	57	0 1934 1	JA-SX 34-30	34	0 1981 1	JA-SX 82-83 (3)	47
0 1752 1	PSX 142-144	59	0 1935 1	JA-SX 35	20	0 1982 1	JA-SX 80-81	37
0 1754 1	PSX 142-145	60	0 1936 1	JA-SX 38	45	0 1983 1	JA-SX 82-83 (4)	48
0 1755 1	PSX 112	57	0 1937 1	JA-SX 36-37	34	0 1984 1	JA-SX 84	22
0 1756 1	PSX 88	57	0 1938 1	JA-SX 39	20	0 1985 1	JA-SX 85	22
0 1757 1	PSX 115-116	58	0 1939 1	JA-SX 39 C	21	0 1986 1	JA-SX 86-87	22
0 1759 1	PSX 115-116-121	58	0 1940 1	JA-SX 14 (4)	20	0 1988 1	JA-SX 88	23
0 1760 1	PSX 119-120	58	0 1941 1	JA-SX 44-28	45	0 1989 1	JA-SX 90	48
0 1763 1	PSX 133 K	59	0 1942 1	JA-SX 15-6 (4)	34	0 1990 1	JA-SX 91	48
0 1766 1	PSX 129	58	0 1943 1	JA-SX 1	70	0 1991 1	JA-SX 89	23
0 1768 1	PSX 148-158 w/o.	61	0 1945 1	JA-SX 22 (4)	20	0 1992 1	JA-SX 92-93 12V	37
0 1769 1	PSX 132	58	0 1946 1	JA-SX 2	70	0 1993 1	JA-SX 94-95 24V	38
0 1770 1	PSX 131	58	0 1948 1	JA-SX 49-61	35	0 1994 1	JA-SX 98-99 12V	48
0 1770 1	PSX 133	58	0 1949 1	JA-SX 29	45	0 1995 1	JA-SX 96-97 24V	48
0 1771 1	PSX 136-137	59	0 1950 1	JA-SX 59-60	36	0 1996 1	JA-SX 18-19	20

# VERGLEICHSLISTE CROSS REFERENCE LIST

<b>IKA</b>	<b>EURO-REF</b>	<b>PAGE</b>
0 1997 1	JASX79	22