Ersatzteile für Anlasser / *Pièces de rechange pour démarreurs*

Spare parts for Starters 2024/25

Quality inside

AUSGABE
EDITION

2024/2025

Quality inside

Neue Teile
New parts
Nouveaux produits = NEW

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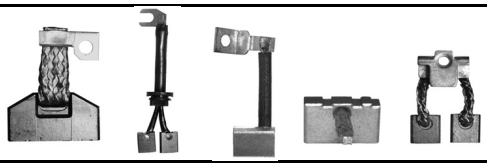
1. KOHLEBÜRSTEN CARBON BRUSHES BALAIS EN CHARBON	**1 - 68**	
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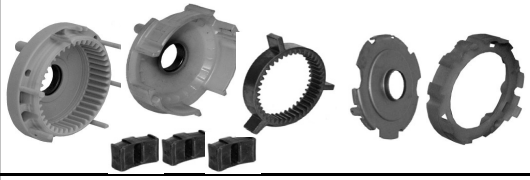
5. ERSATZTEILE FÜR GETRIEBESTARTER COMPONENTS FOR GEAR STARTERS PIECES DE RECHANGE POUR DEMARREURS A REDUCTEUR	**249 - 260**	
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GE
BE

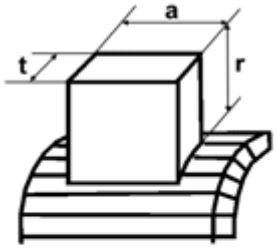
GE
BE

1

KOHLEBÜRSTEN

CARBON BRUSHES

BALAIS EN CHARBON



Starter

t	x	a	x	r
10	x	20	x	20mm

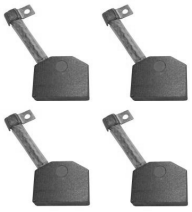
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 12 **P/N 0 1100 1**	Bosch	1 007 014 100 2 007 014 007		0 001 354 006,12,16,18,25-27,29,31,33,34,36, 038,42,48,55,62,64,68,70,73,74,77, 079-96,98-100,3,6,8,9,13
	4-BS 12		2 004 320 006	9 x 13 x 25,5	0 001 355 012 356 001 363 001 9 000 143 200,1 EJB,EJC,EJD1.6/1.8 kw JD (R/L) 6/12 Volt
	BSX 33 **P/N 0 1102 1**	Bosch	2 007 014 020 1 007 014 106		0 001 400 016 401 051 BNG 2,5/12 4/12 Volt
	4-BS 33		2 004 320 066	9 x 20 x 28,5	
	BSX 34 **P/N 0 1103 1**	Bosch	2 007 014 021 1 007 014 107		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	9 x 20 x 28,5	
	BSX 35 **P/N 0 1104 1**	Bosch	2 007 014 013,047 1 007 014 109		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	12 x 20 x 28,5	
	BSX 39 **P/N 0 1105 1**	Bosch	2 007 014 002		0 001 355 009,11,13,15-17,19,20 EJD 1,8/24 24 Volt
	4-BS 39		2 004 320 008	9 x 13 x 25,5	
	BSX 43 (4) **P/N 0 1106 1**	Bosch	1 007 014 101,123 1 107 014 110		0 001 203 005,8-11,16,19 204 005 205 003,5,7,9,10,12,13,15,17
	4-BS 43		1 004 320 059 LIMITED STOCK	7 x 16 x 22	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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 44 (4) **P/N 0 1107 1**	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
	BSX 70 **P/N 0 1121 1**	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 9 000 141 101,3,4,7,8,11-16,100
	4-BS 70		2 004 320 026,098 1 004 320 902	7 x 14 x 16	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
	BSX 70 S **P/N 0 1205 2**	Bosch	Economy Line 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 9 000 141 101,3,4,7,8,11-16,100
	4-BS 70		2 004 320 026,098 1 004 320 902	7 x 14 x 16	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
	BSX 74 **P/N 0 1123 1**	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
	BSX 75 **P/N 0 1124 1**	Bosch	2 007 014 026,027,031,034 1 007 014 126,131-133 9 001 082 541 9 001 451 342		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,
	4-BS 75		1 004 320 076,126,900 2 004 320 172,173,180	7 x 10 x 18	211 200,1,4-9,10,13-25,27-29,33-36,39,41-49, 251-55,57-59,86,88, 986-93,95-96,97,98 212 006-8,11,13,204-14,400-3 213 003,4 9 000 142 001-003,14,100-102, 333 105,112,115,116,118,119 9 001 082 028,033,036,038,040,042-047,049-060, 062-065,067-069,071-078,081-085 9 001 451 024 EF(R/L) 0,7-0,95 kw /12 Volt WMB 23 0.95 kw 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 75 S **P/N 0 1009 2** 4-BS 75	Bosch	Economy Line 2 007 014 026,027,031,034 1 007 014 126,131-133 9 001 082 541 9 001 451 342 1 004 320 076,126,900 2 004 320 172,173,180	 7 x 10 x 18	0 001 207 001,018, 208 004,08,25, 039-41,44,49,51-54,100,101 200-5,6,8-11,13,14,16-21,23-29,32,33 403-409,11-23,25-29, 211 200,1,4-9,10,13-25,27-29,33-36,39,41-49, 251-55,57-59,86,88, 986-93,95-96,97,98 212 006-8,11,13,204-14,400-3 213 003,4 9 000 142 001-003,14,100-102, 333 105,112,115,116,118,119 9 001 082 028,033,036,038,040,042-047,049-060, 062-065,067-069,071-078,081-085 9 001 451 024 EF(R/L) 0,7-0,95 kw /12 Volt WMB 23 0.95 kw 12 Volt
	BSX 76 **P/N 0 1125 1** 4-BS 76	Bosch	1 007 014 119,121,127,129,134 1 107 014 126 1 004 320 071,082,127, 1 004 320 901,903	 7 x 16 x 18	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
	BSX 96 **P/N 0 1132 1** 4-BS 96	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
	BSX 96 S **P/N 0 1025 2** 4-BS 96	Bosch	Economy Line 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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 100 **P/N 0 1136 1** 4-BS 100	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
	BSX 100 S **P/N 0 1026 2** 4-BS 100	Bosch	Economy Line 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
	BSX 102 **P/N 0 1138 1** 4-BS 102	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
	BSX 102 S **P/N 0 1202 2** 4-BS 102	Bosch	Economy Line 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
	BSX 104 **P/N 0 1140 1** 2-BS 104	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 12Volt EF(L/R) 0.7/0.8 kw 12Volt EB(L),EEF 0.8 kw 12Volt
	BSX 134-144 **P/N 0 1147 1** 2-BS 134 2-BS 144	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.
BSX 134-144 S		Economy Line		
P/N 0 1200 2	Bosch	2 007 014 062		0 001 367 001-18,20-46,48,50,51,54-59,61-64, 066-68
2-BS 134		2 004 320 101	10 x 25 x 17	9 000 143 410,12,15,16,19
2-BS 144		2 004 320 102	10 x 25 x 17	JF(R) 3.0 kw 12 Volt
		Alternative Brush Set	BSX 155 wo. terminal	
BSX 135-145				
P/N 0 1148 1	Bosch	2 007 014 063		0 001 368 001-088 300-321
2-BS 135		2 004 320 103	8 x 25 x 17	300-321
2-BS 145		2 004 320 104	8 x 25 x 17	369 011
		Replacement for BSX 198-199 IKA P/N 0 1182 1		9 000 143 600-04 JF(R) 4.0 kw 24 Volt
BSX 135-145 S		Economy Line		
P/N 0 1203 2	Bosch	2 007 014 063		0 001 368 001-088 300-321
2-BS 135		2 004 320 103	8 x 25 x 17	300-321
2-BS 145		2 004 320 104	8 x 25 x 17	369 011
		Replacement for BSX 198-199 IKA P/N 0 1182 1		9 000 143 600-04 JF(R) 4.0 kw 24 Volt
BSX 137-143				
P/N 0 1149 1	Bosch	2 007 014 065,068		0 001 362 034-36,38-43,45-53,057-64 067,69,70,81-86,88-100,102-105
2-BS 137		2 004 320 294,296	9 x 16 x 17	300-332,600-607,700-705
2-BS 143		2 004 320 295,297	9 x 16 x 17	366 001-00,008-022,024-029,
		Alternative Brush Set	BSX 139 w/o. terminal	9 000 143 203,204,408,411,413,414,420 JF(L/R) 1.9-2.7 kw 12 Volt
BSX 137-143 S		Economy Line		
P/N 0 1201 2	Bosch	2 007 014 065,068		0 001 362 034-36,38-43,45-53,057-64 067,69,70,81-86,88-100,102-105
2-BS 137		2 004 320 294,296	9 x 16 x 17	300-332,600-607,700-705
2-BS 143		2 004 320 295,297	9 x 16 x 17	366 001-00,008-022,024-029,
		Alternative Brush Set	BSX 139 w/o. terminal	9 000 143 203,204,408,411,413,414,420 JF(L/R) 1.9-2.7 kw 12 Volt
BSX 138-142				
P/N 0 1150 1	Bosch	2 007 014 035,058,069		0 001 363 003-5,7,9,13,16 103-128
2-BS 138		2 004 320 298	9 x 16 x 15,5	JF(L) 3.2 kw 24 Volt
2-BS 142		2 004 320 299	9 x 16 x 15,5	JF(R) 2.6/3.2 kw 24 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 139 **P/N 0 1151 1** 4-BS 139	Bosch	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 (R) 1.0 kw 12 Volt GF (L/R) 1.6PS/1.9 kw 12 Volt
	BSX 139 S **P/N 0 1204 2** 4-BS 139	Bosch	Economy Line 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 (R) 1.0 kw 12 Volt GF (L/R) 1.6PS/1.9 kw 12 Volt
	BSX 140 **P/N 0 1152 1** 4-BS 140	Bosch	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
	BSX 147 **P/N 0 1155 1** 4-BS 147	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
	**BSX 148** **P/N 0 1156 1** 4-BS 148	Bosch	2 007 014 008,048,061, 2 007 014 070,074 2 004 320 285 replacement only O.E. Brush Set BSX 172-173	 12 x 36 x 27 P/N 0 1172 1	0 001 410 029,062 416 001-40,42-77 417 001-74 KB(L/R) 5.4-6.6 kw 24 Volt
	BSX 148 S **P/N 0 1029 2** 4-BS 148	Bosch	Economy Line 2 007 014 008,048,061, 2 007 014 070,074 2 004 320 285 replacement only O.E. Brush Set BSX 172-173	 12 x 36 x 27 P/N 0 1172 1	0 001 410 029,062 416 001-40,42-77 417 001-74 KB(L/R) 5.4-6.6 kw 24 Volt

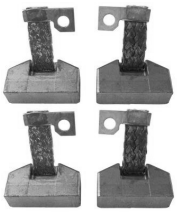
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 149 **P/N 0 1157 1** 4-BS 149	Bosch	1 007 014 139,141,145 1 004 320 101,102,103 Replacement for BSX 146 with clip IKA P/N 0 1154 1	 7 x 10 x 14	0 001 208 501,6-8,10,13-21,26,28 702,5-15,17-19, 211 512,13,15,33,35,36 9 000 333 104,06,09,14,17,20,21 EF(L/R) 0.8/0.85 kw 12 Volt
	BSX 149 S **P/N 0 1207 2** 4-BS 149	Bosch	Economy Line 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) 0.8/0.85 kw 12 Volt
	BSX 151 **P/N 0 1158 1** 4-BS 151	Bosch	1 007 014 143 1 004 320 912 9 003 334 315, 338 Brush Holder: 9 003 334 151,155,156,158 IKA 7 7130 1 and 7 7133 1 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 12 Volt EV(L/R) 1.9/2.2/2.4 kw 12 Volt
	BSX 151/0 **P/N 0 1159 1** 4-BS 151/0	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	same application as BSX 151
	BSX 151 S **P/N 0 1001 2** 4-BS 151	Bosch	Economy Line 1 007 014 143 1 004 320 912 9 003 334 315, 338 Brush Holder: 9 003 334 151,155,156,158 IKA 7 7130 1 and 7 7133 1 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 12 Volt EV(L/R) 1.9/2.2/2.4 kw 12 Volt
	BSX 152 **P/N 0 1162 1** 4-BS 152	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.
BSX 155				
P/N 0 1164 1	Bosch	2 007 014 071		0 001 369 001,003 JF(R) 3.1kw 12 Volt
2-BS 155		2 004 320 135,137	10 x 25 x 15	
2-BS 155L		2 004 320 136,149 insulated	10 x 25 x 15	
		Alternative Brush Set for	BSX 134-144 BSX 163-164 with terminals	
BSX 157-158				
P/N 0 1165 1	Bosch			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, 110-15,20,22-29,32,999 115 001 124 004,015,020,021 125 001,002,005,006,009,010,012, 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
2-BS 157		1 004 320 135,143,148,166,218	6 x 18 x 13/14,5	
2-BS 158		1 004 320 134,142,149,165,219	6 x 18 x 13/14,5 flex 4.0 mm²	
		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 IKA 7 7836 1		
BSX 157-158K				
P/N 0 1167 1	Bosch			0 001 115 002,05-09,11-13,16,17,24 123 001
2-BS 157K		1 004 320 171,174,221,222	6 x 18 x 11/12,5	DW (R/L) 1,7 KW
2-BS 158K		172,173,220,223	6 x 18 x 11/12,5 flex 4.0 mm²	R74-E10 (R/L) 12 Volt
		Brush Holder: 1 004 336 396,414,424,452,453, 470,471,722,743,763, 803,824,852,867		
BSX 157-158 S		Economy Line		
P/N 0 1010 2	Bosch			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, 110-15,20,22-29,32,999 115 001 124 004,015,020,021 125 001,002,005,006,009,010,012, 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
2-BS 157		1 004 320 135,143,148,166,218	6 x 18 x 13/14,5	
2-BS 158		1 004 320 134,142,149,165,219	6 x 18 x 13/14,5 flex 4.0 mm²	
		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 IKA 7 7836 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 159-160 **P/N 0 1166 1**	Bosch			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)
2-BS 159		1 004 320 133,140,146,167, 224,226	5 x 16 x 11,5/13 flex 4.0 mm²	
2-BS 160		1 004 320 132,141,147,168 225,227	5 x 16 x 11,5/13 flex 4.0 mm²	
		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		

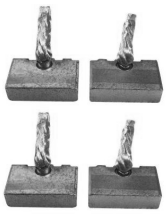
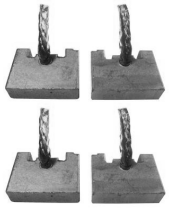
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 159-160 S **P/N 0 1011 2**	Bosch	Economy Line		0 001 108 001-05,09-13,16-33,35,37-40, 42-48,50-54,56-66,68-100, 101-41,43-56,58-60,62, 166-78,80-84,86,88,89,97,99 996-999 111 001-05 9 000 694 038,048 F 000 AL0 126 F 002 G20 049,052,101,141,449,500,592, 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)
2-BS 159		1 004 320 133,140,146,167, 224,226	5 x 16 x 11,5/13 flex 4.0 mm²	
2-BS 160		1 004 320 132,141,147,168 225,227	5 x 16 x 11,5/13 flex 4.0 mm²	
		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		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 161-162 S **P/N 0 1012 2**	Bosch	Economy Line		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		1 004 320 154,156,169,214	5 x 12 x 10,9/11,6	
2-BS 176		1 004 320 155,157,170,215	5 x 12 x 10,9/11,6 flex 2.5 mm²	
		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 IKA 7 7803 1		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 163-164 **P/N 0 1168 1**	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,
	2-BS 163		2 004 320 108,198	10 x 25 x 15	061,63,65,66,68-82
	2-BS 164		2 004 320 109,199	10 x 25 x 15	300-03, 369 002,04-07,12-25,
			Alternative Brush Set	BSX 155 w/o. terminal	200,01 9 000 143 416 JF(R) 3.0/3.1/3.6 kw 12 Volt
	BSX 165 **P/N 0 1169 1**	Bosch	9 003 337 001		0 001 219 001-017,112 9 000 331 201,203
	4-BS 165		9 003 334 321	7,5 x 18 x 17/19	332 401,402,405,406 EV (R/L) 2,5 KW 24 Volt
	BSX 166 **P/N 0 1173 1**	Bosch			0 001 112 003-29,32-39,41,44,45 113 001-15,17
	4-BS 166		1 004 320 136/F 000 AL1 658 mono brush	5 x 12 x 11,6	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
			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 IKA 7 7125 1		
	BSX 170-171 **P/N 0 1171 1**	Bosch	2 007 014 077, 085		0 001 364 300,301,400,402 372 001-008
	2-BS 170		2 004 320 196, 165	10 x 25 x 15	JD(R) 5,2 KW
	2-BS 171		2 004 320 197, 166	10 x 25 x 15	JE(R) 6,2 KW JF(R) 4,8 KW 24 Volt
			Brush Holder: 2 004 336 066,085-087		
	**BSX 172-173** **P/N 0 1172 1**	Bosch	2 007 014 079		0 001 410 029,62 416 001-19,22-24,26-33,
	2-BS 172		2 004 320 244	12 x 36 x 19	035-40,42-53,56,57,
	2-BS 173		2 004 320 245	12 x 36 x 19	059-66,68-80,83 417 001,02,05-07,10,11,13,
			Alternative Brush Set	BSX 148	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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 172-173 S		Economy Line		
P/N 0 1013 2	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		2 004 320 244	12 x 36 x 19	
2-BS 173		2 004 320 245	12 x 36 x 19	
		Alternative Brush Set	BSX 148	
BSX 175-176				
P/N 0 1175 1	Bosch			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		1 004 320 154,156,169,214	5 x 12 x 10,9/11,6	
2-BS 176		1 004 320 155,157,170,215	5 x 12 x 10,9/11,6 flex 2.5 mm²	
		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 IKA 7 7803 1		
NEW				
BSX 175-176 S		Economy Line		
P/N 0 1015 2	Bosch			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		1 004 320 154,156,169,214	5 x 12 x 10,9/11,6	
2-BS 176		1 004 320 155,157,170,215	5 x 12 x 10,9/11,6 flex 2.5 mm²	
		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 IKA 7 7803 1		
BSX 177				
P/N 0 1174 1	Bosch	2 007 014 082 9 001 453 644		0 001 371 004-010,012-20 9 000 453 064,65,68 F 000 AL0 801
4-BS 177		2 004 320 271	9 x 36 x 18	T 144 GA JE(R) 6,0 /6.7 kw 24 Volt
		Brush Holder 2 004 336 077,078 9 001 453 625 IKA P/N 7 7136 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 177 S		Economy Line		
P/N 0 1014 2	Bosch	2 007 014 082 9 001 453 644		0 001 371 004-010,012-20 9 000 453 064,65,68 F 000 AL0 801
4-BS 177		2 004 320 271	9 x 36 x 18	T 144 GA JE(R) 6,0 /6.7 kw 24 Volt
		Brush Holder 2 004 336 077,078 9 001 453 625 IKA P/N 7 7136 1		
BSX 184-185				
P/N 0 1088 1	Bosch			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		1 004 320 163,200	4,45 x 12 x 10,6/11,3	
2-BS 185		1 004 320 164,201	4,45 x 12 x 10,6/11,3 flex 2.5 mm²	
		Brush Holder: 1 004 336 502,505,510,519,525, 526,534,539,542,547, 580,583,593,600,607, 608, 630,632,636,655, 702,703,711,718,723, 789,791,866,887,896 IKA P/N 7 7206 1		
BSX 190-191				
P/N 0 1183 1	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
		Brush Holder: 6 033 AD0 130,156,380,383,471 6 033 AD4 026,054,161,180,212 9 003 334 363 old brass brush holder for new plastic brush holder use BSX 216-217 P/N 0 1094 1		
		Stator Frame: 6 033 AD0 128,151,152,189,473 AD4 064,092-094,098,099 107-110,166,177		
BSX 192-193				
P/N 0 1184 1	Bosch			0 001 218 602,20,703,10-12,15,16,19,22, 725,28,30,35-38,40-42,54,57-59 763-68,70-72,74,76,77 805,08,09,12,14-22 0 001 223 001-14,16,18,19,21,22,56 500-507 EV(L/R) 2,3 kw EV(R) 2,6 kw 12 Volt
2-BS 192		6 033 AD0 011	6.2 x 22 x 13 / 15	
2-BS 193		6 033 AD0 012 6 033 AD1 158,626 6 033 AD1 159,627	6.2 x 22 x 13 / 15	
		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 IKA 7 7209 1		
		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		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	**BSX 194-195**				
	P/N 0 1186 1	Bosch			0 001 230 001,07-10,14,18,20-24,26,27 EV(R) 3.0 kw
	2-BS 194		9 003 334 361,6 033 AD3 196	7,5 x 27 x 15,4/16,4	HE95-M 12V(R) 12 Volt
	2-BS 195		9 003 334 362,6 033 AD3 197	7,5 x 27 x 15,4/16,4	
			Brush Holder: 6 033 AD0 166,370,374, AD3 022,042,058 9 003 334 368 IKA 7 7243 1		
			Stator Frame: 6 033 AD0 167,170,244		
	BSX 196				
	P/N 0 1187 1	Bosch			0 001 116 001,003-006,008,009 DM(R/L) 0.7 kw 12 Volt
	4-BS 196		1 004 320 158 mono brush	5 x 8.5 x 10.5/11.5	
			Brush Holder: 1 004 336 822,838,854,856,861 F 000 AL1 921, F 000 AL2 050-052		
	BSX 200-201				
	P/N 0 1188 1	Bosch			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
	2-BS 200		1 004 320 175,210	6 x 18 x 12.7/14.2	
	2-BS 201		1 004 320 176,211	6 x 18 x 12.7/14.2 flex 2.5 mm²	
			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		6 004 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) RF78-M15 12V(R) VW overload protection starter
	**BSX 202-203**				
	P/N 0 1178 1	Bosch			0 001 330 004,007,008,011-014, 016-018,020,501,502
	2-BS 202		6 033 AD0 263	9 x 31.82 x 17.5/23	0 001 340 501-505
	2-BS 203		6 033 AD0 264	9 x 31.82 x 17.5/23 flex 10 mm²	0 001 33E 101 0 001 33F 102
			Brush Holder: 2 004 336 091-093,110-118, 125-128 6 033 AD0 384 AD6 098		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)
			fits IKA P/N 7 7245 1 fits IKA P/N 7 7501 1	w/o. thermo protection w. thermo protection	MB 006 151 00 01 Scania 1447912 Volvo 3595446, 3827444 JW, Liebherr, MTU

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 204-205				
P/N 0 1197 1	Bosch			0 001 106 403-407,409,410 120 400-411
2-BS 204		1 004 320 177,212	4.45x10x12.0/12.7	F 004 A94 403
2-BS 205		1 004 320 178,213	4.45x10x12.0/12.7	DB(L) 0.9 kw
			flex 2.5 mm²	RF70-S25 12V(L)
		Brush Holder:		R70-S10 12V(L/R)
		1 004 336 506,592,637,799, 879		Audi, SEAT, Skoda, VW
		n.a.		
BSX 210-211				
P/N 0 1091 1	Bosch			0 001 108 400-406,408-412,420,421,430, 431,437,438,450,451,456,457
2-BS 210		1 004 320 179,202,314,335	4.45x16x11.5/12.2	0 001 170 400,401
2-BS 211		1 004 320 180,203,313,334	4.45x16x11.5/12.2	0 001 172 404,405
			flex 2.5 mm²	0 001 177 000-013
		Brush Holder:		F 002 G20 670
		1 004 336 509,527,530,531,		F 004 A94 004
		564,565,576,595,		DW(R)1.4 kw
		602,615,631,633,		R70-L15,25,35(R)
		656,657,676,704,		RF70-L25(L) 12 Volt
		707,708,768,769,		CF70-M 12V(L)
		785,886		SC70-M,-S 12V(R)
		1 004 338 102,117,133,144		
		IKA 7 7547 1, 7 7509 1		
BSX 212-213				
P/N 0 1092 1	Bosch			0 001 108 157,190,196,200-204,206-214, 217,218,220-225,228-231, 234-242
2-BS 212		1 004 320 183,204,206	5x16x11.5/13	
2-BS 213		1 004 320 184,205,207	5x16x11.5/13	0 001 108 460-463
			flex 2.5 mm²	F 000 AL0 110
		Brush Holder:		F 002 G20 326,348,546,582,593,820
		1 004 336 511,512,521,528,		F 004 A94 007
		533,536,552,		F 026 T02 002
		566-568,572,579,		DW(R) 1.4-1.8 kw
		638,658,712,727,		R74-L40,45,-60,-75,-100 12V(R)
		753,770,771,773,		RF74-L20 12V(R)
		782,788,888,889,		
		898		
		F 000 AL1 934		
BSX 216-217				
P/N 0 1094 1	Bosch			0 001 231 001-014,016-019,023, 026-030,032-036,038-041, 045,046,119,133,146,502
2-BS 216		6 033 AD5 177,314	5.35x27.77x17.2/18.2	
2-BS 217		6 033 AD5 178,315	5.35x27.77x17.2/18.2	241 001,003-009,012,014-,016, 018-026,119,128
		Brush Holder:		F 002 G20 786
		6 033 AD4 016,194, 212		EV(R) 24V 4.0 kw
		6 033 AD5 128,179, 316,318,320		EVB(R) 24V 5.5 kw
		IKA 7 7241 1		HEF95-L 24V(R) 5,5kw
				HE95-M 24V(R) 4.0 kw
		Stator Frame:		IVECO Eurocargo
		6 033 AD4 107,108,166,177,199		MB Atego
		6 033 AD5 154		Nissan, Scania
BSX 218-219				
P/N 0 1095 1	Bosch			0 001 107 103-112 121 024-035
2-BS 218		1 004 320 230	5x12x10.9/11.6	DB/DW(L/R) 1.2 kw
2-BS 219		1 004 320 231	5x12x10.9/11.6	R74-M20 12V(L)
			flex 2.0 mm²	R74-M40,-M60 12V(R)
		Brush Holder:		RF74-M40 12V(R)
		1 004 336 504,529,561,562,		RF74-M50 12V(L)
		577,587,589,765,		overload protection starters
		766,786,795,797,		
		978		

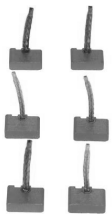
	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 220-221 **P/N 0 1096 1**	Bosch			0 001 109 064-067,069,070,205,258-276, 280,281,284,285,300-307,310, 310,311,313,319-322,324,325, 328,329,330-337,342,343-345, 355-362,364,369-371,375-379, 387,388,391,392-404,407-410, 413,414,417,421,422 110 130,131,133,134,136-139 124 022,027 125 025,031,032,035,036,039,040, 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		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 mm²	
	BSX 222-223 **P/N 0 1220 1**	Bosch			0 001 260 001-004,025,026 0 001 262 001-008,019-022,029-034
	2-BS 222 2-BS 223		2 004 320 264,266 2 004 320 265,267 Replacement for BSX 239-240 IKA P/N 0 1220 1 Brush Holder: 2 004 336 090,094 2 004 336 096,097 fits IKA P/N 7 7533 1	6,35x27.77x17.2/18/19 6,35x27.77x17.2/18/19 flex 10.0 mm² flex length 35 mm	HX-95L 12V(L) HX-95M 12V(L) John Deere RE 52 637 5 RE 52 740 0 Serie 6.. >2010
	BSX 224-225 **P/N 0 1219 1**	Bosch			0 001 230 001-010,012-016,018, 020-024,026-030
	2-BS 224 2-BS 225		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 mm² flex length 25 mm	F 002 G20 785 EV(R) 3.0 12 Volt 3.0kw HEF95-M 12 V(R)
	BSX 228 (4) **P/N 0 1097 1**	Bosch			0 001 139 021,022,037,038 0 001 149 400,401
	4-BS 228		1 004 320 244,279,281,321 Brush Holder: 1 004 337 005,041 MB 001 151 72 14	5.25x18x12.7x14.2 flex 4.0 mm²	S78-M, SL78-M 12V(R) start/stop starters MB 651 906 12 00 651 906 23 00 Porsche 948 604 210 01 948 604 214 00 MB E 220 d Coupe E 250 BlueTec Cabrio,-Coupe E 250 d Coupe GLK 220 BlueTec 4MATIC Porsche Panamera 3.0-4.8 l

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
BSX 228 (6)				
P/N 0 1217 1	Bosch			0 001 139 001,002,005,006,011-016, 025,026,029,030,,047,048, 067,068,0,71,072,083,084, 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 00 946 906 00 00, 031 00 Porsche 948 604 210 00 start stop starters Alfa Giuletta 2.0 JTDM >2010 FIAT Doblo,-Cargo 2.0 Multijet Ducato 115 Multijet Jeep Wrangler 2.8 CRD MB Sprinter 2.1 CDI
6-BS 228		1 004 320 244,279,281,321 Brush Holder: 1 004 336 612,649 1 004 337 002,145 MB 001 151 67 14 001 151 71 14 IKA 7 7529 1	5.25x18x12.7/14.2 flex 4.0 mm²	
BSX 228-243 (4)				
P/N 0 1027 1	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 4.0mm²	
2-BS 243		1 004 320 261,278,280,320 Brush Holder: 1 004 337 019	5.25x18x12.7/14.2 flex 2.5mm²	
BSX 228-243 (6)				
P/N 0 1028 1	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 4.0mm²	
3-BS 243		1 004 320 261 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	5.25x18x12.7/14.2 flex 2.5mm²	
BSX 229-230				
P/N 0 1216 1	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
2-BS 229		1 004 320 245,282	4.45x16x12.3/13.8	
2-BS 230		1 004 320 246,283 Brush Holder: 1 004 336 609,614,645,648 1 004 337 012,053,063, 153,154 FIAT 77365287 Suzuki 31173-86L00	4.45x16x12.3/13.8 flex 2.5mm²	

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

BSX 231-232-215
P/N 0 1214 1 Bosch

			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, 093,096-101,103-111 123 002,003,012-021,026-029, 036-039,044,045 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
1-BS 215	1 004 320 229,235	6.0x18x11.0/12.5 flex 2.5mm²	
1-BS 231	1 004 320 249	6.0x18x11.0/12.5	
2-BS 232	1 004 320 250	6.0x18x11.0/12.5 flex 4.0mm²	
	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		

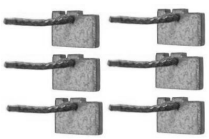
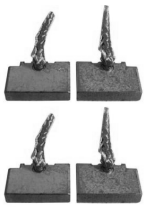


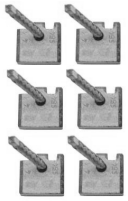
BSX 234-235
P/N 0 1212 1 Bosch

			0 001 139 004, 047 0 001 145 001,002 0 001 149 412
3-BS 234	1004 320 254	5.25x18x12.7/14.2 flex 2.5mm²	SF78-M 12V(L) 2.2 kw
3-BS 235	1004 320 253	5.25x18x12.7/14.2 flex 4.0mm²	VW 02Z 911 023 S,-SX 2X0 911 023 overload protection start/stop starters Audi,VW
	Brush Holder: 1 004 336 681 IKA 7 7538 1		

BSX 235-228-243
P/N 0 1023 1 Bosch

			0 001 139 045,046,049,050,053,054 S78-M 12V(R) 2.0 kw
2-BS 235	1 004 320 253	5.25x18x12.7/14.2	overload protection start/stop starters
1-BS 228	1 004 320 244	5.25x18x12.7/14.2 flex 4.0mm²	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 2.5mm²	
	Brush Holder: 1 004 337 034,047 1 004 337 050,144		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 236 **P/N 0 1211 1** 6-BS 236	Bosch	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, 043,044,060,061, 062,070,072,073, 152,156,160,165 MB 001 151 66 14 001 151 76 14 FIAT 773 651 21 for clockwise rotation anticklock see BSX 247 Replacement for BSX 233 IKA P/N 0 1215 1	4.45x14.0x12.3/13.8 flex 2.0mm²	0 001 136 002,003,005-008 0 001 137 001-006,011,012 0 001 138 001,002,009,010,013-020, 043-046,051,052, 055-062,067-072 0 001 147 402-409,420-425,430-433 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,-2B302 MB 006 151 72 01 270 906 07 00 271 906 02 00 276 906 02 00, -13 00, -23 00 276 906 24 00, -43 00, -44 00 278 906 04 00, -07 00 Nissan 23300-1073R Opel 55572440 Renault 23 30 010 73R 23 30 059 51R 23 30 061 24R Suzuki 31100-62MA0 VW 02Z 911 023 R,-RX VW 06E 911 021 D,-DX,-F,-FX 06H 911 021,-D,-DX,-X
	**BSX 238** **P/N 0 1209 1** 6-BS 238	Bosch	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 mm²	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
	**BSX 241-242** **P/N 0 1033 1** 2-BS 241 2-BS 242	Bosch	2 004 320 268,272 2 004 320 269,273 Brush-Holder 2 004 336 095,100 0 399 D57 009 IKA 7 7507 1 Replacement for BSX 206-207 IKA P/N 0 1089 1	6,35x27.77x18/19 6,35x27.77x18/19 flex 6.0 mm² 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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 244 **P/N 0 1024 1**	Bosch			0 001 153 001,002,005-010,015,016,029,030 SF74-E+ 12V(L)
	4-BS 244		1 004 320 262,344 Brush Holder: 1 004 337 006,077,161 VW 03G 911 209 E IKA 7 7537 1	4.45x19.5x12.3/13.8 flex 3.0mm²	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
	BSX 245 **P/N 0 1022 1**	Bosch			0 001 148 003,004,009,010,015,016, 019-026,029,030,033,034 153 013,014,019,020
	4-BS 245		1 004 320 264 flex 3.0 mm² Brush Holder 1 004 337 013,029,042 1 004 337 146,147,155 IKA 7 7539 1	4.45x19.5x12.3/13.8	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
	BSX 247 **P/N 0 1017 1**	Bosch			0 001 142 005,006 0 001 152 400,401,410,411
	6-BS 247		1 004 320 255,325 Brush Holder: 1 004 336 682 1 004 337 026,066 for anticlock rotation clockwise see BSX 236	4.45x14.0x12.3/13.8 flex 2.0mm²	SF74-L 12V(L) SFL74-L 12V(L) overload protection start/stop starters MB 270 906 00 00 270 906 04 00 270 906 07 00 VW 0AM 911 023 F,-FX
	**BSX 253** **P/N 0 1153 1**	Bosch			0 001 170 400-403,406,407,410,411 600,601,604,605,624,625, 628,629,640,641
	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	4.45x14.0x11.5/13.0 flex 2.5 mm²	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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	BSX 256(4) **P/N 0 1144 1**	Bosch			0 001 179 510-519,522,523,530,531 SCF70-SX 12V(L)
	4-BS 256		1 004 320 331,333 Brush Holder: 1 004 338 140,178,525 fits IKA P/N 7 7550 1	4.45x17.0x11.0/12.4 flex 2.5 mm²	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
	BSX 256(6) **P/N 0 1139 1**	Bosch			0 001 174 400-407 0 001 174 600,601,604,605
	6-BS 256		1 004 320 331,332,333 Brush Holder:	4.45x17.0x11.0/12.4 flex 2.5 mm²	SC70-L 12V(R) FIAT 519 161 71 PSA 96 756 60 680 Suzuki 31100-55PA0 000
		Bosch FIAT Suzuki	1 004 338 142,143,145 773 677 23 31173-55PA0 fits IKA P/N 7 7572 1		31100-T55PA0 000 VW 04L 911 021, -B,-BX,-X 06M 911 021, -X
NEW	**BSX 258-259** **P/N 0 1191 1**	Bosch			0 001 251 001-010,015,016 0 399 502 008 F 002 G20 720,904
	2-BS 258 2-BS 259		F 002 G20 729 F 002 G20 730 Brush Holder: F 002 G20 731 0 399 D57 019 Stator Frame w. Brush Holder: F 002 G20 735	6.05x21.8x13.2/17.4 6.05x21.8x13.2/17.4	F 002 G70 007,614 HX87-M,-M10 24V (R) 4.5/5.5 kw Ford BC45-11001-BA HAEP 6000024 IVECO 5801520336,5801577135,-7136 Leyland AENC483 Yangchang Z20040001
NEW	**BSX 260** **P/N 0 1135 1**	BOSCH			0 001 192 000,001,008,009,068,069, 074-077,080-083,086,087
	4-BS 260		1 004 321 000 Brush Holder: 1 004 339 000	4.2x11.82x10.2/10.9	F 000 C60 299,300,302-305 C60-M 12V(R)
NEW	**TSX 1** **P/N 0 1108 1**	Bosch			0 001 615 001, 002 TB (R) 24V 18 kW

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	JASX 10-11				
	P/N 0 1955 1	Denso			128000-0490,-2450,-2470,-2560,-2740,
					-3361,-4220,-4250,-4682,-4683,
	2-JAS 10		028520-1090	10 x 30 x 20	-4910,-5370,-5510,-5620,-5720,
	2-JAS 11		028530-1100	10 x 30 x 20	-5730
					OSGR-Starter 3.0/5.5 kW 24 Volt
		Isuzu	1-8116-048-0		
			1-8116-049-0		
	JASX 14				
	P/N 0 1940 1	Denso			02800-0197,-1010,-01011,-01970-01973,
					02800-1975,1976
	4-JAS 14		28531-0110	7 x 12 x 16	12 Volt
		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		
	JASX 18-19				
	P/N 0 1996 1	Denso			028000-7560
					128000-7010-7120-7122,-7130,-7390,
	2-JAS 18			7 x 13 x 15,5	-7710-7112,-7714,-8310
	2-JAS 19			7 x 13 x 15,5	
					OSGR- Starter
					12 Volt
	JASX 22				
	P/N 0 1945 1	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		
	JASX 35				
	P/N 0 1935 1	Denso			028000-3290, -3291, -3292,
					-3650, -5040, -5960
	4-JAS 35		28530-0480	9 x 30 x 26	12 Volt
		J. Deere	R50927		
		Mitsubishi	MD604256/MF022002		
		Toyota	28142-47021/-76010/-77040		
	JASX 39				
	P/N 0 1938 1	Denso			128000-2520,-2610,-2611,-2621,-2631,
					-2800,-2520,-2980,-3090
	4-JAS 39		028531-5050,-6660	6,5 x 8 x 10	-4030,-4031,-4032,-4060,4061,
			028099-5450		-4530,-4531,-4532,-7110,-7480,
					-7580,-7581,-7720
		Daihatsu	28142-87504-000		228000-2640,-4640,-4641,-4890,-4891,
		Honda	31211-PH9-004		-8350,-8490,-9580
		Isuzu	8-94455-168-0		428000-0950,-1570
			8-94455-167-0		12 Volt
		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.
JASX 39 C				
P/N 0 1939 1	Denso			12 Volt
4-JAS 39 C		028531-5050 with Clip	6,5 x 8 x 10	
	Mazda	028099-5450		
		Alternative Brush Set	JASX 39 w/o. clip	
JASX 52				
P/N 0 1962 1	Denso			128000-2680,-2682,-5210,-5211,-5680, -5681,-5682,-6210,-6211,-6212
4-JAS 52		028099-6180	6,5 x 13 x 14	281001 6010,-6040,-6041,-6070, - 6071,-6073
	Daihatsu	28142-87204-000		281008721300
	Isuzu	8-94377-262-0 8-94367-795-0		12 Volt
	Mazda	028099-6180		
	Suzuki	31131-60B50		
	Toyota	28142-70020		
JASX 53				
P/N 0 1963 1	Denso			028000-8460,-9181,-9182,-9202, -9220,-9221,-9230
2-JAS53			7,5 x 13 x 18	31100-79660,-85010,-85020,-85021
		BH 028510-0760		12 Volt
	Daihatsu	28140-87703-000		
	Honda	31231-679-014		
	Isuzu	5-81119-004-0 8-94135-730-0		
	Subaru	49243-6002		
	Suzuki	31131-79010 31173-79010		
JASX 62				
P/N 0 1965 1	Denso			028000-2000,-2151,-2240,-2260,-2261, -2262,-2263,-2360,-2361
4-JAS 62		28531-0350	7 x 12 x 19	12 Volt
	Daihatsu	28142-25020		
	Honda	31211-679-004		
	Mazda	1345-24-753		
	Toyota	28142-25020		
JASX 63				
P/N 0 1966 1	Denso			028000-2660,-2661,-2665,-2680,-2681, -2682,-4500,-5410,-6422
4-JAS 63		28531-0380 28531-0480/0490	7 x 12 x 16	12 Volt
	Daihatsu	28142-25011/87502		
	Honda	31211-657-006/31231-679-004		
	Toyota	28142-25011		
JASX 77-78				
P/N 0 1977 1	Denso	028099-3550		028000-3920,-4570,-7370,-7660 128000-0020,-6400 12 Volt
2-JAS 77		028531-0840	8 x 25 x 15	
2-JAS 78		flex w/o. insulation	8 x 25 x 15	
	Daihatsu	28140-54070-000 28140-64040-000 28140-87706-000		
	Isuzu	5-81116-040-0 5-81118-021-0 8-94167-430-0		
	Komatsu	028510-0640		
	Mazda	RE01-24-750		
	Toyota	28140-54070 28140-64040		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 79				
P/N 0 1997 1	Denso	Nikko Denki		228000-2120,-3840,-3981,
				-4961,-5860,-7220,
4-JAS 79		0-23740-0200, 0210	7 x 25 x 15,5	-7710,-7800,-8150,
			7 x 25 x 15,5	428000-0250,-0260,-0500
	Isuzu	8-94178-053-0, 054-0		-1280,-2730
		8-94437-920-0, 921-0		12 Volt
JASX 84				
P/N 0 1984 1	Denso			028000-3641,-3642,-4000,-4020,-4200,
				-4243,-4250,-4323,-4340,-4450,
4-JAS 84		028531-0450,-0946	7 x 16 x 14	-4510,-4730,-4940,-5060,-5120,
		028099-0770,-2620,-2628,	flex length 33mm	-5190,-5390,-5730,-5800,-5820,
		-2670,-2770,-3950		-5991,-6040,-6120,-6190,-6240,
		BH		-6250,-6280,-6350,-6440,-7380,
		028510-0441,0580,0590,0830,		-7410,-8180,-8380,-8451,-8570,
	Daihatsu			-8620,-8980,-9380,-9510,-9800,
		028510-5320,5350,5410,5420		-9820
		28140-34030		128000-0050,-0100,-0111-0141,-0150,
		28140-87701-000		-0170,-0171
	Honda	28140-87704-000		228000-0440,-0990,
		28140-87710-000		428000-0570
		31208-657-0040		12 Volt
		31208-657-300		
	Komatsu	31208-PH7-661		
	Subaru	31208-PR4-0030		
		02851-00441,-00590		
		21170-53608		
	Toyota	23378-AA040,-AA050		
		49243-7212,-7302,-7502		
		28140-34030,-64130,-65020,		
		28140-74010,-74020,-74070,		
		28140-76070		
		28142-34030		
JASX 85				
P/N 0 1985 1	Denso			028000-5330-5335
				-6380-6382
4-JAS 85		28531-0680,-3510	6,5 x 10 x 16	12 Volt
		028099-3510		
	Daihatsu	28140-15010		
		28140-87201-000		
		28140-87502-000		
		28140-87702-000		
	Honda	31231-PA0-0060		
	Isuzu	8-94239-109-0		
		8-94239-110-0		
	Mazda	1345-24-750		
		1345-24-750A		
		8682-24-750		
	Mitsubishi	MD604916		
	Subaru	23378-KA000		
		49206-7002		
		49243-7002		
	Suzuki	31131-82010		
		31173-78310,-78311		
	Toyota	28140-15010		
JASX 86-87				
P/N 0 1986 1	Denso			128000-8320
				228000-2570
2-JAS 86		flex only	7 x 16 x 16	12 Volt
2-JAS 87		insulated flex	7 x 16 x 16	
		BH 028510-0750		
	Daihatsu	28140-15090		
	Honda	31208-PC2-661		
	Toyota	28140-15090		

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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 115-116				
P/N 0 1348 1	Denso			28100-28040,-041,-042
	Toyota			28100-28050,-28051,-28052,-28053
1-JAS 115	positive pair		4.15/7.4 x 8.35 x 16	28100-28080,-28081,-28082
1-JAS 116	negative pair		4.15/7.4 x 8.35 x 16	12 Volt
		fits brush holder 128099-6311		
		128099-6312		
		IKA P/N 7 7606 1		

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	JSX 5 **P/N 0 1451 1**	Fiat			B76-0,5/12S E76-0,6/12V
	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	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
	JSX 9 **P/N 0 1454 1**	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	
	JSX 13 (4) **P/N 0 1457 1**	Fiat			E100-1,3/12, 1,5/12 632 060 02,03
	4-JS 13		748 747 41	7 x 16 x 20	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
	JSX 14 **P/N 0 1455 1**	Fiat			E115-1,8/12 12 Volt
	4-JS 14		4005010	6,5 x 14 x 20	
	JSX 16 **P/N 0 1459 1**	Fiat			E84-08/12V, Var,1,2,3,6,8 632 207 00-03,05,06,20,21,23,24,30-33,35,
	2-JS 16		748 617 81	8 x 17 x 19	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
	JSX 19 **P/N 0 1462 1**	Fiat			M125-3/12 632 24 600,02,91
	4-JS 19		748 460 01	10 x 22 x 28	12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 21-22				
P/N 0 1464 1	Fiat			E95-0,9-12
				E95-1,0-12
1-JS 21	positive pair	748 809 41,512 706 52	6 x 13 x 17,5	632 213 30,32-35,38
2-JS 22	negative single	748 811 21,512 706 51	6 x 13 x 17,5	632 214 30,31
				632 215 31,32,34,35,38
		Brush Holder:		632 216 33,37
		(748 811 51 + 748 809 21)		12 Volt
JSX 25-22				
P/N 0 1467 1	Fiat			E95-1,1-12
				632 214 30
1-JS 25		748 884 01,512 706 53	6 x 13 x 17,5	632 215 32,38
3-JS 22		748 811 21,512 706 51	6 x 13 x 17,5	12 Volt
		Brush Holder:		
		(748 811 51 + 748 883 61		
		(748 811 51 + 855 303 00)		
JSX 26-27				
P/N 0 1468 1	Fiat			E95-1,1-12
				632 214 33-36,38
3-JS 26		748 910 71,512 706 61,	6 x 13 x 17,5	632 215 30,33,36,39
		512 707 99		632 216 30,32,35,36,39
1-JS 27		748 910 80,512 706 60,	6 x 13 x 17,5	632 217 31
		512 707 98		12 Volt
		Brush Holder:		
		(748 911 01 + 748 909 61)		
JSX 29-30				
P/N 0 1469 1	Fiat			E95-0,8-12
				E95C-0,8-12
				631 010 03
1-JS 29		74893801,51270805	6 x 13 x 17,5	632 218 30,32,34,90,92
1-JS 30		74893811,51270803	6 x 13 x 17,5	12 Volt
		Brush Holder:		
		748 938 51		
		(855 403 51 + 748 936 31)		
JSX 31-32				
P/N 0 1470 1	Fiat			E95R-2,2-12
				632 218 31
2-JS 31	negative single	7489438.1,51270764,74899061	8 x 19 x 18	632 220 30,31,34-36,38,39
1-JS 32	positive pair	7489439.1,51270765,74899071	8 x 19 x 18	632 221 30,31,33-36,38
				632 222 04,06
		Brush Holder:		12 Volt
		(855 403 41 + 748 941 21)		
		(855 403 41 + 832 228 01)		
JSX 33-34				
P/N 0 1471 1	Fiat			E70R-1,4-12
				M70R-1,4-12/-1,8-12
2-JS 33 (-)		832 272 58 insul. no	6 x 15 x 16,7 flex 28	631 110 00,05,08
2-JS 34 (+)		832 272 57 insul. 35	6 x 15 x 16,7 flex 28	632 234 30-33,35,36
				632 235 30-33
		Brush Holder:		632 236 39
		(832 204 61 + 832 201 31)		632 934 35
		(542 944 44 + 832 265 57)		12 Volt

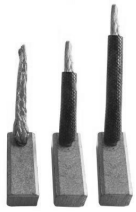
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 35-36				
P/N 0 1472 1	Fiat			E80-0,8-12 E80-1,0-12
2-JS 35		832 211 91	7 x 13 x 17,5	632 228 31-33,36-38
2-JS 36		932 212 01	7 x 13 x 17,5	632 230 31-34 12 Volt
		Brush Holder: (832 212 41 + 832 216 51)		
JSX 35-37				
P/N 0 1473 1	Fiat			E80E-1,0-12 631 230 31-34
2-JS 35	negative single	832 211 91	7 x 13 x 17,5	12 Volt
1-JS 37	positive pair	832 216 81	7 x 13 x 17,5	
		Brush Holder: (832 212 41 + 832 209 91) (832 212 41 + 832 239 91)		
JSX 38-39-40 (3)				
P/N 0 1474 1	Fiat			E80E-0,9-12 631 020 03,04,07,08
1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	632 229 00,01
1-JS 39 (+)		832 274 91 insul. 52	7 x 13 x 17,5 flex 42	632 230 85
1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	632 231 01,03,08 632 931 03
		Brush Holder: (832 244 61 + 832 251 17)		12 Volt
JSX 38-40-58 (4)				
P/N 0 1482 1	Fiat			E80E-1,0-12 631 030 02,03,07,08
2-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	12 Volt
1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	
1-JS 58 (+)		832 269 21 insul. 100	7 x 13 x 17,5 flex 80	
		Brush Holder: (832 253 59 + 832 257 10)		
JSX 38-41 (2)				
P/N 0 1475 1	Fiat			E80E-0,8-12 631 010 00,02
1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	632 010 08
1-JS 41 (+)		832 252 66 insul. 18	7 x 13 x 17,5 flex 26	632 228 89,97 632 229 05,08,09,36
		Brush Holder: (832 244 61 + 832 251 46) (832 253 26 + 832 263 48) (832 253 26 + 832 264 91)		632 231 04,09 632 232 00 632 233 03 632 931 04 12 Volt
JSX 38-42 (2)				
P/N 0 1476 1	Fiat			E80E Seat 12 Volt
1-JS 38 (-)		832 244 81 insul. no	7 x 13 x 17,5 flex 26	
1-JS 42 (+)		832 246 21 insul. 25	7 x 13 x 17,5 flex 30	

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

JSX 40-46-47 (4)				
P/N 0 1477 1	Fiat			E80E 12 Volt
1-JS 40 (+)		832 274 90 insul. 38	7 x 13 x 17,5 flex 26	
1-JS 46 (+)		832 261 48 insul. 57	7 x 13 x 17,5 flex 65	
2-JS 47 (-)		832 261 89 insul. no	7 x 13 x 17,5 flex 26	

JSX 43-45-44 (4)				
P/N 0 1478 1	Fiat			E80E 12 Volt
2-JS 43 (-)		832 258 22 insul. no	7 x 13 x 19,5 flex 26	
1-JS 45 (+)		832 258 23 insul. 50	7 x 13 x 19,5 flex 62	
1-JS 44 (+)		832 258 24 insul. 18	7 x 13 x 19,5 flex 26	

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



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

JSX 51-52-63 (4)				
P/N 0 1486 1	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	

JSX 53-54				
P/N 0 1481 1	Fiat			E95RL-2,2/2,6 kw FIAT P95 2.3/2.6 kw Denso
2-JS 53	negative single	832 269 19 / 028531-6880	8 x 19 x 20	631 140 08,10,14
1-JS 54	positive pair	832 269 20 / 028531-6870	8 x 19 x 20	12 Volt Ducato
		replacement for JSX 70-71 P/N 0 1490 1		
		fits Brush Holder: (748 944 41 + 832 257 10) (832 263 36 + 832 267 10)		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JSX 61-62-63 (4)				
P/N 0 1487 1	Fiat			D80F-1,0-12 12 Volt
2-JS 61 (-)		832 275 84 insul. no	7 x 8 x 19,5 flex 26	Denso-Fiat
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.
JSX 72-73				
P/N 0 1491 1	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	
JSX 73 (4)				
P/N 0 1493 1	Fiat-Denso			P76 12 Volt
4-JS 73		028531-7331	7 x 20 x 16	
JSX 74-75-76-77				
P/N 0 1492 1	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	
JSX 78-79				
P/N 0 1452 1	Fiat-Denso			028988-030
2-JS 78		028531-8801	7 x 20 x 16	PA 78
2-JS 79		028531-8791	7 x 20 x 16	12 V
JSX 80-81-82-83				
P/N 0 1463 1	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		
JSX 84-85-86-87				
P/N 0 1465 1	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.
	FX 73 **P/N 0 1529 1** 4-F 73	Ford-Visteon		6 x 13 x 14	96BB-11000-AA,AB USA 12 Volt
	FX 74 **P/N 0 1530 1** 4-F 74	Ford-Visteon	F7RU-11056-AB Brush Holder: F7RU-11434-BA Replacement for FX 74-78 P/N 0 1522 1	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
	FX 75 **P/N 0 1524 1** 4-F 75	Ford-Visteon	F7RU-11056-CA TR3	8,2 x 18,9 x 18 brush holder: 1C3U-11434-AA	1C3U-11000-AA,-AB,-AE 97VB-11000 Ford Transit 2.2 kw starter Hungary 3.6 kw starter Visteon/Iskra 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 15-6 (4)				S114-150,-151
P/N 0 1942 1	Hitachi			S114-156,-A
				S114-91
2-JAS 15		2108-2305/-4305/-6305	6 x 16 x 14	12 Volt
2-JAS 6		2108-2306/-4306/-6306	6 x 16 x 14	
	Daihatsu	2108-2305		
		2108-2306		
	Isuzu	9-8211-16310		
		9-8211-16320		
	Nissan	23379-09900		
		23380-10600		
JASX 31				
P/N 0 1952 1	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		
JASX 34-30				
P/N 0 1934 1	Hitachi			12 Volt
2-JAS 34		2130-6312	8 x 19 x 18	
2-JAS 30		2130-9311	8 x 19 x 18	
	Isuzu	8-94028-460-0		
		8-94028-464-0		
		8-94228-464-0		
	Nissan	23379-V0700		
		23380-V0700		
JASX 36-37				
P/N 0 1937 1	Hitachi			S12-38A
				S13-33,-33A,-33B,-34A
2-JAS 36		2130-5312	8 x 25 x 18	S13-37,-37B,-38B
2-JAS 37		2130-8311	8 x 25 x 18	S13-41,-41A,-41B
		2250-5322		M2T20671 12 Volt
		2250-5323		
	Isuzu	1-81116-023-0		
		1-81116-024-0		
		5-81116-024-0		
		5-81116-025-0		
		8-97030-389-0		
	Nissan	23379-J5500		
		23380-J5500		
		23331-Z9002		
		23331-Z9003		
		28331-Z9000		
		28331-Z9001		
JASX 49-61				
P/N 0 1948 1	Hitachi			S114-750,-752,-753,-754A,-758,
				S114-762,-765,-766,-767,-769,
1-JAS 49	positive pair	2114-53125,-63125,-83125	4,5 x 14 x 17	S114-775,-780,-870
2-JAS 61	negative single	2114-43125	4,5 x 14 x 17	12 Volt
	Brush Holder	2114-43105 / 23378-1E401		
		2114-53105 / 23378-50Y04		
		2114-63104 / 23378-1E400		
	Nissan	23380-1E400		
		23379-1P100		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 50-51				
P/N 0 1961 1	Hitachi			S114-364,-398,-418,-419,-424, S114-435,-435A
1-JAS 50	positive pair w/o. insulation	2114-23124,-63121,-63123 2114-73122,-83122,-83124 2114-93122	7 x 11 x 16	S114-501,-501A,-505,-505A S114-516,-516A,-517,-517C,-518,-519A S114-523,-525A,-526,-528,-528A
2-JAS 51	negative single	2114-59003,-83121,-93121	7 x 11 x 16	12 Volt
	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		
JASX 54-55				
P/N 0 1964 1	Hitachi			S114-800,-801,-804,-805 808,-816,-850
1-JAS 54	positive pair	2114-63126	4,5 x 14 x 15	12 Volt
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		
JASX 56-3				
P/N 0 1959 1	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		
JASX 56-3/0				
P/N 0 1958 1	Hitachi			12 Volt
2-JAS 56/0		2120-7312	8 x 14,5 x 22	
2-JAS 3/0		2120-9311	8 x 14,5 x 22	
	Nissan	23379-G7000 23380-G7000		
JASX 57-58				
P/N 0 1960 1	Hitachi		12 Volt	S108-77,-78 S114-103,-108L,-121N,-122N, 126M,-132,-136,-139,-146
2-JAS 57		2114-4313	7 x 11 x 18	
2-JAS 58		2114-8312	7 x 11 x 18	
	Daihatsu	2114-4313/8312		
	Honda	31246-568-005 31217-568-005		
	Isuzu	9-8211-1657-0/1658-0		
	Nissan	23379-16E01/-21000 23380-16E01/-21000		
	Subaru	9402-1408/1409		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 59-60				
P/N 0 1950 1	Hitachi			S114-435F,-435G,-456,-556,-556A,
				557A,-558,-568,-568A,-570B,
1-JAS 59	positive pair	2114-73123,-73125,-73126	4,5 x 11 x 16	653A,-653B
2-JAS 60	negative single	2114-83123,-83126	4,5 x 11 x 16	23300-53J00
				23300-KA270
	Nissan	23380-53J00		12 Volt
		23379-53J00		
	Subaru	23387-KA000		
		23388-KA000		
JASX 66-67				
P/N 0 1969 1	Hitachi		12 Volt	S108-34B,-61,-61A-G,
				63,-66,-116
2-JAS 66		2114-3315/-5312	7 x 11 x 16	
2-JAS 67		2114-6313/-8313	7 x 11 x 16	
	Honda	31215-634-0050/31216-634-0050		
		31215-679-0050/31216-679-0050		
	Isuzu	8-94208-294-0/8-94208-300-0		
		5-81116-008-0/5-81116-009-0		
	Nissan	23379-80W00		
		23379-M0100		
		23380-56A00		
		23380-M0100		
	Subaru	21070-53908/-54008		
		24370-54008		
		49206-5501		
		49207-5501		
JASX 74				
P/N 0 1975 1	Hitachi			S13-100,-104,-106A-C,
				106E,-107,-107A,
4-JAS 74		2130-23112	7 x 19 x 15,8	109,-109B,-111
				12 Volt
	Isuzu	8-94136-900-0		
	Nissan	23380-10G00		
		23379-10G00		
JASX 74-75				
P/N 0 1974 1	Hitachi			S13-62,-62B
				101,-102,-105,-105A,
2-JAS 74		2130-13111	7 x 19 x 15,8	129,-136,-160,-329,-529
2-JAS 75		2130-7312	7 x 19 x 15,8	12 Volt
		2240-1311/1312		
	Daihatsu	23379-W2500/23380-W2500		
		2331-T9000/T9001		
	Isuzu	8-94136-900-0		
		8-94152-930-0/-970-0/-973-0		
		8-94242-061-0/8-94242-065-0		
		8-94478-862-0		
	Mazda	894152970/-973		
	Nissan	23379-54A00		
		23380-54T00		
		23380-W2500		
	Volvo	740 D, 760 D		
JASX 80-81				
P/N 0 1982 1	Hitachi			S114-233A,-252F,-253B,
				254D,-255A,-256B,
2-JAS 80		2114-59002	7 x 14 x 16	257,-257G,-257H,-258C
2-JAS 81		2114-69002	7 x 14 x 16	12 Volt
	Isuzu	8-94208-440-0		
		8-94208-444-0		
		8-94228-440-0		
		8-94228-444-0		
	Nissan	23379-M4900		
		23380-M4900		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 92-93				
P/N 0 1992 1	Hitachi			S13-06,-06A,-10,-14,-18,
				S13-28,-29,-32,-32A,-55
2-JAS 92		2130-1312/2312	9 x 19,5 x 22	12 Volt
		2130-3311/4311		
2-JAS 93		2130-4312/7311	9 x 19,5 x 22	
	Isuzu	5-81116-015-0		
		5-81116-016-0		
		5-81116-048-0		
		5-81116-049-0		
		8-94137-714-0		
		8-94137-716-0		
		9-8211-1551-0		
		9-8211-4151-0		
		9-8211-4152-0		
	Nissan	23379-J2000		
		23380-J2000		
		23379-61501,-61503		
		23380-61501,-61503		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 94-95				
P/N 0 1993 1	Hitachi			S13-15,-61
				S24-64B,-64E
2-JAS 94		2250-2323	9 x 19,5 x 19,5	S25-100A,-103,-106A,-117D,
2-JAS 95		2250-1324,-4322	9 x 19,5 x 19,5	120,-120A,-121A,-128
	Isuzu	1-81116-017-0/-018-0		24 Volt
		5-81116-017-0/-018-0		
		5-81119-001-0		
		5-81119-015-0		
		5-81119-016-0		
		9-82111-551-0		
	Nissan	23331-Z9000		
		23331-Z9001		
	Hino	28142-1020A		
		28142-1010A		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
LASX 15-16				
P/N 0 1608 1	Lucas	271735 (TAB 125)		M45G,M113 26147,48,51,53,54,63,66,78,89,92,93,96,98
2-LAS 15		271491,54258277	7,9 x 19,05 x 22,2	26200,1,8,15,19,20,33,36,38,48,55,56,59,64, 66-71,75,78-81,83,85-88
2-LAS 16		271493,54258282	7,9 x 19,05 x 22,2	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
LASX 15-27				
P/N 0 1609 1	Lucas	271735(-1) (TAB 120)		M45G(-1) 12 Volt
2-LAS 15		271491,54258277	7,9 x 19,05 x 22,2	
2-LAS 27		271492,54258276	7,9 x 19,05 x 22,2	
LASX 30-31-32				
P/N 0 1613 1	Lucas	54256907 (TAB 106) 60600626,60600688		25585,25586,26209 12 Volt
1-LAS 30		54258277	7,9 x 19,05 x 22,2 flex length 90mm	
1-LAS 31		54258280-7238	7,9 x 19,05 x 22,2 flex length 65mm	
2-LAS 32		54257236	7,9 x 19,05 x 22,2 flex w/o. insulation	
LASX 31				
P/N 0 1614 1	Lucas	54258592 (TAB 119)		M50 26211,91
4-LAS 31		54257238, 54258280	7,9 x 19,05 x 22,2 flex length 65 mm	26338,39,95 12Volt
LASX 36				
P/N 0 1615 1	Lucas	54259517, 60600849 (TAB 118)		M50,M127 26227,34,46,65,73,74,82,84,90,94,95,97,98
4-LAS 36	Lucas CAV	54248210 6211-410 5933-530	9 x 20 x 26	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
		Replacement for ASX 19 IKA P/N 0 1228 1		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
LASX 40-41				
P/N 0 1617 1	Lucas	54244848,60600056 (TAB 117)		M35J,K 25137,45-50,56,57,59,65-68,78,80,82-87,90,91
1-LAS 40		54265217,54266892	9/3,5 x 11,6 x 15,9	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
1-LAS 41		54265216	9/3,5 x 11,6 x 15,9	25311,27,29,30,42,43,45-48,68,73 25400 60925019,2 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
LASX 42				
P/N 0 1618 1	Lucas	54244979		M50, M127 12 Volt
4-LAS 42		54258779,54262842	9 x 20 x 26	
LASX 43-44				
P/N 0 1628 1	Lucas	54246258 (TAB 124)		M100 25642-44,47-49,51,54,62,74,75,84-87,89,91,92,95,98
1-LAS 43		with terminal	10,3/4,7 x 13,3x17,5	25703-7,9-12,16-22,28-32,34,35,39,42,43,49-51,54-56
1-LAS 44		54243725	10,3/4,7 x 13,3x17,5	27466 12 Volt
		Replacement for LASX 43-47-48 IKA P/N 0 1622 1		
LASX 43-44/0				
P/N 0 1619 1	Lucas	54 246 258 (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	
LASX 73-41				
P/N 0 1621 1	Lucas	60600767 (TAB 103) 9937303 FIAT		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
1-LAS 41		54265216	9/3,5 x 11,6 x 15,9	M 90 12 Volt
2-LAS 73			9/3,5 x 11,6 x 15,9	
LASX 84-85	Lucas			M78R clock 12 Volt
P/N 0 1611 1				
1-LAS 85		bus bar assy. 54291050	6.8 x 13.8 x 9.4	
1-LAS 84		brush&clip assy. 54290791	6.8 x 13.8 x 9.4	
		Replacement for	LASX 83-84 P/N 0 1610 1	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JA-SX 16-17				
P/N 0 1998 1	Mando Melroe			M0T84881
				M0T85381
1-JAS 16	positive pair		4,5 x 12 x 15,5	36100-38090
2-JAS 17	negative single		4,5 x 12 x 15,5	M60081
				M60082
				12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
MASX 3				
P/N 0 1662 1	Marelli			MT31AC,43DC 632 131 27, 632 143 49
4-MAS 3		743 713 10, 09010905	9 x 20 x 26	24 Volt
MASX 13-14				
P/N 0 1663 1	Marelli			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
2-MAS 13		723 632 01, 09927791	8 x 25 x 23	24 Volt
2-MAS 14		723 632 02, 09927792	8 x 25 x 23	
MASX 15-16				
P/N 0 1664 1	Marelli			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,
2-MAS 15		723 632 03/05/07, 9929080	10 x 25 x 23	51,59,73,74,76,98
2-MAS 16		723 632 04/06, 9928448	10 x 25 x 23	12 Volt - 3,5 kW
MASX 17-18				
P/N 0 1665 1	Marelli			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
2-MAS 17		723 837 01, 09956556,	9 x 16 x 23	632 174 01-04
2-MAS 18		79019316	9 x 16 x 23	12 Volt
		723 837 02, 09956552,		
		79019317		
MASX 19-20				
P/N 0 1666 1	Marelli			MT72AB 632 172 25
2-MAS 19		723 837 03/05	9 x 16 x 23	24 Volt - 3,0 kW
2-MAS 20		723 837 04/06	9 x 16 x 23	
MASX 21-22				
P/N 0 1668 1	Marelli	(721 650 01 + 721 659 01)		MT 67 AD,CB
	Bosch	2 007 014 012		632 167 31,41 24 Volt - 4,0 kW
2-MAS 21		721 624 02	8 x 25 x 23	0 001 360 002-005,008,009,
2-MAS 22		721 624 01	8 x 25 x 23	012,013,020
				JD4/24Volt
		Replacement for IKSX 10-11	P/N 0 1537 1	
		Replacement for BSX 67	P/N 0 1119 1	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	MASX 23-24				
	P/N 0 1669 1	Marelli	(721 647 01 + 721 658 01)		MT 68 AD,LC,MC,PA,PB,RA,S,T
		Bosch	2 007 014 011		632 168 17,18,31,52,61,84,96
					12 Volt - 3,5 kW
	2-MAS 23		721 624 04	10 x 25 x 23	0 001 359 001,004,006-008,011-014,
	2-MAS 24		721 624 03	10 x 25 x 23	016,018,019,021,024-026,
					028,030,031,033-035
			Replacement for IKSX 12	P/N 0 1538 1	IDR 12V28
			Replacement for BSX 62	P/N 0 1118 1	JD 4/12Volt
	MASX 25-26				
	P/N 0 1670 1	Marelli	(721 641 01 + 721 660 01,02)		MT 71 AB,DB,FB,GB,HB,RB,SB,LA,TA,UA,VA
			(721 641 01 + 721 684 01)		MT 74 AA,BA,DA
	2-MAS 25		721 613 02	9 x 16 x 23	632 171 26,48,54,56,58,63,80,86,88,97
	2-MAS 26		721 613 01	9 x 16 x 23	632 174 07,08,10,25,33,47
					12 Volt - 2,5 kW
			Replacement for IKSX 5-6	P/N 0 1534 1	
	MASX 27-28				
	P/N 0 1671 1	Marelli	(721 641 02 + 721 657 01)		MT 72 AB
					632 172 26
	2-MAS 27		721 613 04	9 x 16 x 23	24 Volt - 3,0 kW
	2-MAS 28		721 613 03	9 x 16 x 23	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 38				
P/N 0 1936 1	Melco			M2T54272 M3T54071,-54072
4-JAS 38		M648C25271 M648C25273	8 x 20 x 18	12 Volt
		Brush Holder: M649T04372		
	Mitsubishi	MD607461		
JASX 40-41				
P/N 0 1953 1	Melco			M0T70281,-70285,-71981,-81181, M0T82081,-84381
1-JAS 40	positive pair	M647C00271,272 M647C00571,573	4,5 x 12 x 17,5	M1T60081,-60181,-60185,60281, M1T60381,-60581,-71381,-71881
2-JAS 41	negative single	M648C31171	4,5 x 12 x 17,5	
	Mitsubishi	MD611216 MD611217		
	Nissan	23380-421-70 23379-AA000		
		Brush Holder M649T09371/M649T01271		
JASX 42-43				M1T30071,-30072,-30171,30172
P/N 0 1954 1	Melco			M1T66081,-66082 M1T71781,-74081,-74087,-74281,
1-JAS 42	positive pair	M647C00371 M647C00671 M647C01771	4,5 x 18 x 17,5	M1T74381,-74481,-74491,-74583, M1T74851,-75181,-75781 12 Volt
2-JAS 43	negative single	M648C32971	4,5 x 18 x 17,5	
		Brush Holder: M649T01671/M649X01771		
	Mazda	N327-18-X66		
	Mitsubishi	MD611918		
JASX 44-28				
P/N 0 1941 1	Melco			M0T60081,-60081A,-80081,80281, M0T80281ZC,-80285,-80381,-80581,
1-JAS 28	negative pair		4,5 x 12 x 12,5	M0T8080831,-80881
1-JAS 44	positive pair		4,5 x 12 x 12,5	M1T60281,-60285,-60285A 12 Volt
		Brush Holder: M321X05171 M647X03471,03971,04271, M647X04571,05571,05871, M647X05971,06571		
JASX 45-46				MD066761
P/N 0 1956 1	Melco			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		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 47-48				
P/N 0 1957 1	Melco			M5T25373 M5T27672
2-JAS 47		M648C20371 M648C22371	6,5 x 19 x 19,3	12 Volt
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		
JASX 68-73				
P/N 0 1976 1	Melco			M0T70681,-70781,-71581,-71681,
1-JAS 68	positive pair	M647C00871	4,5 x 12 x 16,5	M0T82081,-82081ZE,-85381
2-JAS 73	negative single		4,5 x 12 x 16,5	M1T60081,-60281,-70483,-71381,
		Brush Holder M649T09371		M1T71382,-71382ZC,-72581,-72583, M1T72583G,-73281,-73283,-73285, M1T73383,-77681
	Mitsubishi	MD611731 MD618619		12 Volt
JASX 69-70(3)				
P/N 0 1970 1	Melco			M2T10171,-20181A,-20281,-23685 M3T10475,-10476,-10672,-11173,
1-JAS 69		M648C12170,12370	6,8 x 11,8 x 17,2	M3T11174,-11272,-12572,-15772
2-JAS 70		M648C13770	6,8 x 11,8 x 17,2	12 Volt
		Brush Holder: M649T03571		
	Mazda	0222-24-753 0426-24-753		
	Mitsubishi	MD602470/MD607389		
	Nissan	23380-U0110		
JASX 69-70(4)				
P/N 0 1971 1	Melco			M1T50171 M2T10171,-10271,-10471,-20181,
2-JAS 69	flex only	M648C12170	6,8 x 11,8 x 17,2	M2T20181A,-20182,-23181,-23685,
2-JAS 70	insulated flex	M648C13770,M648C13771 M648X28771,M648X30971	6,8 x 11,8 x 17,2	M2T24181,-24281,-25481,-25581, M2T25681,-50391,-50571,-50575,
		Brush Holder: M649T04471 M649X03171,09571		M2T51681,-52871,-54091,-58081, M2T58581,-58681,-58781,-58881 12 Volt
	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.
JASX 70				
P/N 0 1967 1	Melco			12 Volt
4-JAS 70	insulated flex	M648C13770 M648C10371B	6,8 x 11,8 x 17,2	
		Brush Holder: M649T04171,04973		
	Mazda	0222-24-753/N202-24-750		
	Mitsubishi	MD602069/MD607949 MM502344		
	Nissan	23378-N5910		
JASX 71				
P/N 0 1973 1	Melco			M4T66074,-66173
4-JAS 71		M648C25671,M648C26771	8 x 24 x 17	12 Volt
		Brush Holder: M649T02171,02172		
	Mazda	SE01-24-750 R201-18-X66		
	Mitsubishi	MD611024 ME700299,ME700304 ME700858		
JASX 71-72				
P/N 0 1972 1	Melco			M2T60072,-60171,-60172,-60185, M2T60571,-66072,-92071,-92171,
2-JAS 71		M648C25671,M648C28371	8 x 24 x 17	M2T92172,-92271
2-JAS 72		M648C25672,M648C28571 M648X40811,M648X40871	8 x 24 x 17	M3T56089,-56183,-66572,-67171, M3T67172 12 Volt
		Brush Holder: M649T04971,4972		
	Mazda	R201-18-X66 R201-24-750 S203-24-750 SE01-24-750		
	Mitsubishi	ME700047/ME700290 ME700939		
JASX 82-83(3)				
P/N 0 1981 1	Melco			12 Volt
1-JAS 82		M648C14970	7 x 10 x 17	
2-JAS 83		M648C14870,-15070	7 x 10 x 17	
		Brush Holder: M649T01371,4871		
	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		

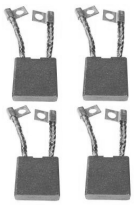
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 82-83(4)				
P/N 0 1983 1	Melco			M2T13081,-13281,-13581,-20181,
				M2T20181D,-23081,-25772,-30281,
2-JAS 82		M648C14970,-14971,-16970	7 x 10 x 17	M2T30381,-30385,-30481
2-JAS 83		M648C14871,-15070,-16971	7 x 10 x 17	M3T22681
				12 Volt
	Mazda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

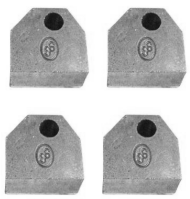
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
JASX 100				
P/N 0 1999 1	Melco			M0T20871
				12 Volt
4-JAS 100	M648C35871		4,3 x 12 x 12.3	

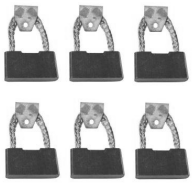
JASX 103-104				M8T61671
P/N 0 1932 1	Melco			M9T60371,60471,60671,60672,
				M9T61171,61473,61474,61571,
2-JAS 103			8.0 x 30 x 18.2	M9T61671,62572-ZA,64471-ZA
2-JAS 104			8.0 x 30 x 18.2	M9T80472,80473,83671,83672,
				5.5 kW 24 Volt

JA-SX 110-111				M0T85981
P/N 0 1922 1	Melco			M0T86081
				M1T85781
1-JAS 110	positive pair		4,5 x 12 x 12,5	MD362207
2-JAS 111	negative single		4,5 x 12 x 12,5	12V

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

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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	RX 60 **P/N 0 1284 1** 4-R 60	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
	RX 70 (4) **P/N 0 1285 1** 4-R 70	Remy	1906986 1946407,1946483	 9,5 x 19,05 x 19	24 Volt
	RX 87 **P/N 0 1287 1** 4-R 87	Remy	1906958,962,968,987 (D759,D761)	 9,5 x 19,05 x 19	30 MT,35 MT 12 Volt
	RX 92 **P/N 0 1296 1** 4-R 92	Remy	1906918,989 1946426,487	 7,9 x 19,05 x 19	1109961-98 24 Volt
	**RX 95** **P/N 0 1288 1** 4-R 95	Remy	1946434, 1976861	 9,5 x 19,05 x 19	1107506-88 20MT,25 MT Clark Fork Lift 6/12 Volt
	RX 120 (2) **P/N 0 1250 1** 1-R 909 1-R 924 C 2-springs	Remy	3471506 (DR 751) 3471487 3471488 w. clip	 6 x 16 x 14 6 x 16 x 14	3471143 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	RX 120 (4)				
	P/N 0 1251 1	Remy	3471505 (DR 700)		3471141,144 12 Volt
	2-R 909		3471009	6 x 16 x 14	
	1-R 922-924 C		3471022 + 3471024 w. clip	6 x 16 x 14	
	4-springs				
	RX 120/0 (4)				
	P/N 0 1295 1	Remy	3471783,3471834		3471155,169,170,173-176 12 Volt
	2-R 909/0		3471009 w/o. Brush Holder	6 x 16 x 14	
	1-R 922		3471022	6 x 16 x 14	
	1-R 924		3471024	6 x 16 x 14	
	RX 122				
	P/N 0 1280 1	Remy			40 MT 400,450 12 Volt
	4-R122		1852884	9,5 x 38,1 x 21,4	
	RX 122 H				
	P/N 0 1256 1	Remy			40 MT 400,450 24 Volt
	4-R122 H		1852883	9,5 x 38,1 x 21,4	
	RX 124				
	P/N 0 1281 1	Remy			50 MT 400 12 Volt
	6-R124		1852887	7,9 x 38,1 x 20,6	
	**RX 124 H**				
	P/N 0 1257 1	Remy			50 MT 400 1114683,84,86,89
	6-R124 H		1852888	7,9 x 38,1 x 20,6	24 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	RX 134 **P/N 0 1282 1** 4-R134	Remy	 1852892	 10,5 x 36,6 x24,4	 42MT 12 Volt
	RX 134 H **P/N 0 1259 1** 4-R134 H	Remy	 1852894	 10,5 x 36,6 x24,4	 42MT 24 Volt
	RX 135 **P/N 0 1283 1** 4-R135	Remy	 1852889	 9,5 x 28,6 x 26,3	 37 MT, 41MT 12 Volt
	RX 135 H **P/N 0 1260 1** 4-R135 H	Remy	 1852893	 9,5 x 28,6x 26,3	 37 MT, 41MT 24 Volt
	RX 419-420 **P/N 0 1254 1** 2-R 419 2-R 420	Remy	 10457119 10457120 Brush Holder 10456456 IKA P/N 7 7178 1	 7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	 10479600,05,08,11,12,23,26,29,50,52,54,55 1113272,77,91 28 MT Nikko Denki 0-23740-0110 24 Volt
	RX 457-458 **P/N 0 1255 1** 2-R 457 2-R 458	Remy	 10456457 10456458 Brush Holder 10456456 IKA P/N 7 7178 1	 7,9 x 24,8 x 19,5 7,9 x 24,8 x 19,5	 1113273-82,86-88,90,92,95-97, 323-451 10479621,30,34,37,43-45,48,51 28 MT Clark,Hyster,MF 12 Volt

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	RX 911 **P/N 0 1252 1** 4-R 911	Remy	R138 1852898	5,5 x 15 x 14,5	9000751,56,58 PG 100 Opel Unit-Nos. 21020892,21021648 12 Volt
	RX 912 **P/N 0 1253 1** 4-R 912	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
	RX 915 **P/N 0 1273 1** 4-R 915	Remy	 10484034	5 x 16 x 11/12,5	9000794,801,817,840 96208782,783,785 PG 150, PG 260F1 12 Volt

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 64-70 (4)				
P/N 0 1742 1	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		34t19	7 x 18 x 17	
2-PS 70		34t	7 x 18 x 17	
PSX 81-82				
P/N 0 1746 1	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		70f	10 x 25 x 17	
2-PS 82		70f34	10 x 25 x 17	
PSX 88				
P/N 0 1756 1	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	
PSX 115-116				
P/N 0 1757 1	Valeo	Paris Rhone 92 655V Valeo 182 064		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		52h	7 x 18 x 14	
1-PS 116		52h	7 x 18 x 14	
PSX 115-116-121				
P/N 0 1759 1	Valeo	Paris Rhone 92 694G, 92 695H Valeo 182 099,112,113,116,133		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		52h	7 x 18 x 14	
2-PS 116		52h	7 x 18 x 14	
PSX 119-120				
P/N 0 1760 1	Valeo	Paris Rhone 78 166L, 92 656W Valeo 182 070,072		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		55h	7 x 15 x 14	
1-PS 120		55h	7 x 15 x 14	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 129				
P/N 0 1766 1	Valeo	Paris Rhone 92 878G Valeo 182 065, 594 065		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
1-PS 129 a		80hb	10,6/6,1x10,3x15	12 Volt
2-PS 129 b		80hb	10,6/6,1x10,3x15	
PSX 132				
P/N 0 1769 1	Valeo	Paris Rhone 92 925 Valeo 182 118		D11E148,156,161,172,177,184, 187,188,191,192,195,272 12 Volt
2-PS 132 a		44t	10 x 18 x 14	
2-PS 132 b		44ta	10 x 18 x 14	
PSX 133				
P/N 0 1770 1	Valeo	Paris Rhone 300 706Z Valeo 182 067,594 066		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,
1-PS 133 a		79hb	13,9/6,9x12x15	276,278,701,702,861 12 Volt
1-PS 133 b		79hb	13,9/6,9x12x15	
		Alternative Brush Set:	PSX 133 K positive brush w. clip IKA P/N 0 1763 1	
PSX 133 K				
P/N 0 1763 1	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,
1-PS 133 b			13,9/6,9x12x15	127,129,132,136,137,237,
1-PS 133 c	positive brush	with clip	13,9/6,9x12x15	276,278,701,702,861 12 Volt
		Alternative Brush Set:	PSX 133 positive brush w/o. clip IKA P/N 0 1770 1	
PSX 136-137				
P/N 0 1771 1	Valeo	Paris Rhone 300 841H, 300 842		D10E85,87-90,92,881,882,921,922 12 Volt
2-PS 136		81ta	7 x 15 x 18,5	
2-PS 137		81ta	7 x 15 x 18,5	
PSX 138-139 (2)				
P/N 0 1775 1	Valeo	182 054		D9R84 D9R121
1-PS 138		82aa	9 x 18 x 22	12 Volt
1-PS 139		82aa	9 x 18 x 22	

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 140-141 (4)				
P/N 0 1776 1	Valeo	182 051		D9R73,89-91,96,99,105,106,118,122,126, D9R135,139,142
2-PS 140		82ta	9 x 18 x 22	12 Volt
2-PS 141		82ta	9 x 18 x 22	
PSX 142-143				
P/N 0 1779 1	Valeo			D7R ... , D8R ... 12 Volt
2-PS 142		185658 cable nu 35 mm	7 x 14 x 13,7	
2-PS 143		185658 cable isol. 35 mm	7 x 14 x 13,7	
PSX 142-144				
P/N 0 1752 1	Valeo			D7R5,11,15 12 Volt
2-PS 142		187778 cable nu 35 mm	7 x 14 x 13,7	
2-PS 144		187779 cable isol. 55 mm	7 x 14 x 13,7	
PSX 142-145				
P/N 0 1754 1	Valeo			D7R VW overload protection starter
2-PS 142		185658,187639,191861 cable nu 6 mm², 35 mm	7 x 14 x 13,7	12 Volt
2-PS 145		188571,191663,191862 cable isol. 3 mm², 55 mm	7 x 14 x 13,7	
PSX 146-147 w/o spring				
P/N 0 1783 1	Valeo	594064		D6RA8,10 SH 1.2 kw
1-PS 146		184602	4.5/9 x 11 x14	12Volt
1-PS 147			4.5/9 x 11 x14	
2-isolants				
		avec ressort P/N 0 3777 1		
PSX 146-147				
P/N 0 3777 1	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				
1-Ressort		sans ressort P/N 0 1783 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 148-149 w/o spring				
P/N 0 1773 1	Valeo			D6RA5,6,12,16,18,20,38,45,61 SH 1.1/1.2 kW
1-PS 148			4.5/9 x 11 x 18	12 Volt
1-PS 149			4.5/9 x 11 x 18	
2-isolants		avec ressort P/N 0 3778 1		
PSX 148-149				
P/N 0 3778 1	Valeo	594060		D6RA5,-6,-12,-16,-18,-20 D6RA38,-45,-61,-62,-63,-66 SH 1.1/1.2 kw
1-PS 148		187069,188151,188389	4,5/9 x 11 x 18	12 Volt
1-PS 149		564834	4,5/9 x 11 x 18	
2-Isolants				
1-Ressort		sans ressort P/N 0 1773 1		
PSX 148-149/0				
P/N 0 1774 1	Valeo	594 060 595 063, 123-125, 160, 161, 165 595 174, 179, 254		D6RA5,-6,12,16,18,20 D6RA38,-45,-61 SH 1.1/1.2 kw
2-PS 148/0		brushes with flex only	4,5/9 x 11 x 18	12Volt
2-Isolants				
		additional spring	IKA P/N 0 0762 0	
		Alternative Brush Set	PSX 148-149 IKA P/N 0 1773 1	
PSX 148-157				
P/N 0 3779 1	Valeo	594063 594127 594257		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
1-PS 148		187069,188151,188389	4,5/9 x 11 x 18	SH 1.0-1.3 kw
1-PS 157		186772,187068,188855	4,5/9 x 11 x 18	SIH 1.1/1.2 kw
2-Isolants				12 Volt
1-Ressort		limited stock		
		alternative brush set	PSX 148-149/0 IKA P/N 0 1774 1	
		additional spring IKA P/N 0 0762 0		
PSX 148-158 w/o spring				
P/N 0 1768 1	Valeo	594169		D6RA33,37,47,51,57,101,133,571 SH 1.0/1.1/1.2/1.4 kW
1-PS 148		187069,188151,188389	4,5/9 x 11 x 18	12 Volt
1-PS 158		186865,187870,188430	4,5/9 x 11 x 18	
2-Isolants				
		avec ressort P/N 03780 1		
PSX 148-158				
P/N 0 3780 1	Valeo	594169 594386		D6RA33,-37,-47,-51,-57, D6RA101,-133,-571 SH 1.0-1.4 kw
1-PS 148		187069,188151,188389	4,5/9 x 11 x 18	12 Volt
1-PS 158		186865,187870,188430	4,5/9 x 11 x 18	
2-Isolants				
1-Ressort		sans ressort P/N 0 1768 1		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 155 (3) **P/N 0 1727 1** 3-PS 155	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
PSX 155 (4) **P/N 0 1728 1** 4-PS 155	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
PSX 156 **P/N 0 1726 1** 4-PS 156	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
PSX 160-164 **P/N 0 1735 1** 2-PS 160 2-PS 164	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
PSX 161 **P/N 0 1737 1** 4-PS 161	Valeo	 1903131	 7 x 14 x 13,7	D8R 1,27 SH 1.9/2.4 kW 12 Volt
PSX 163-164 **P/N 0 1740 1** 2-PS 163 2-PS 164	Valeo	 positive brush with 2 shunts 50mm negative brush with 1 shunt 25,5mm	 7 x 13 x 11,5 7 x 13 x 11,5	D7G SIH 12 Volt overload protection starter VW

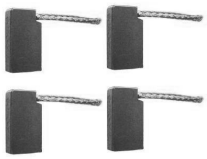
IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 166-167				
P/N 0 1743 1	Valeo			D6G1,2,3,5 D6GS19
2-PS 166		191849	3,9/6,4 x 10 x 15,5	SH c/w
2-PS 167		191771	3,9/6,4 x 10 x 15,5	12 Volt Audi,BMW, Fiat, Mercedes, PSA
		Replacement for PSX 168-167 IKA P/N 0 1744 1		VAG
PSX 169-170				
P/N 0 1745 1	Valeo			D6GS1,2,3,5,11-13 SIH a/c
2-PS 169		191772, 194789	3,9/6,4 x 10 x 15,5	12 Volt
2-PS 170		191773	3,9/6,4 x 10 x 15,5	overload protection starter VW
PSX 174				
P/N 0 1751 1	Valeo			ESM starters 12 Volt
6-PS 174		1197541, 1203248	4.4 x19.9 x11.4/13.2	startstop starters Hyundai
		two component grade		
PSX 175-176-171				
P/N 0 1758 1	Valeo			ESW starters 2nd series
4-PS 171	- flex 35 mm	200921	7 x 11 x12.5	ESW20E26
2-PS 175	+ flex 40 mm	200923	7 x 11 x12.5	ESW20ER 6,20,25,121,123
2-PS 176	+ flex 30 mm	200924	7 x 11 x12.5	ESW 22E 1.6/2.0kw
		two component grade		12 Volt Renault 1.6 D
		Replacement for PSX 171-172 P/N 0 1739 1		VW 2.0 TDI
PSX 177				
P/N 0 1723 1	Valeo			ESW22E RSW
4-PS 177		208630 two component grade	7.0 x 20.0 x 16.0/19.5	latest models 12 Volt
PSX 178				
P/N 0 1722 1	Valeo			TSC starters
4-PS 178		1207489 two component grade	5.15 x 11.85 x 13.2/14.2	12 Volt Ford, PSA Renault-Nissan VW

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
PSX 179-180				
P/N 0 1721 1	Valeo			RSM starters
2-PS 179	negative	209756	5.25 x 17.0 x 14.0/15.0	
2-PS 180	positive	209815	5.25 x 17.0 x 14.0/15.0	
		two component grade	flex 2.5 mm²	
PSX 181-182				
P/N 0 1725 1	Valeo			RSM starters 12 Volt
2-PS 181	negative	206792	5.25 x 17.0 x 14.0/15.0	
2-PS 182	positive	206793	5.25 x 17.0 x 14.0/15.0	
			flex 3.0 mm²	
		two component grade		
PSX 183				
P/N 0 1716 1	Valeo			RSW starters
4-PS 183		209891	7 x 20 x 14/15.5	
		two component grade		
		Alternative Brush Set for PSX 175-176-171 P/N 0 1758 1	ESW starters: 4 brushes instead of 8	
NEW				
PSX 186-187				1195239, 1250303 S0001250303 TM000A37001, -37201, -37301
P/N 0 1784 1				
1-PS 186			5 x 10,8 x 12,5	PMDD starters
2-PS 187			5 x 10,8 x 12,5	12 Volt
USX 50-51(4)				
P/N 0 1354 1	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 6103A,4A,8A,9ABCDEFGHJ,KL,10ABC,16A-18S 6127ABC,40A,42A,46A,53A,58A,60ABCDEFG, 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
2-US 50		98067,79249,680548	8,8 x 19,05 x 13	
2-US 51		98068,79248,680549	8,8 x 19,05 x 13	
		Replacement for USX 50-51(2)	P/N 0 1353 1	
USX 91-92				
P/N 0 1367 1	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		Ducellier 680 752	6/11,7 x 13 x 15	
1-US 92		Ducellier 680 753	6/11,7 x 13 x 15	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	HX 3 **P/N 0 1795 1** 2-H 3	LEECE/ NEVILLE	(H 3 R)	7,1 x 7,1 x 14,3	
	HX 6 **P/N 0 1785 1** 2-H 5/6	LUCAS / SMITH		6,3 x 6,3 x 11,9	Lucas EWD Smith eHS 340, MKI
	HX 16 **P/N 0 1794 1** 2-H 16	DUCELLIER	92 330 / 90 177	6 x 6 x 11,5	
	HX 26 **P/N 0 1796 1** 2-H 26	WEBASTO		9 x 6 x 16,5	
	HX 54 **P/N 0 1793 1** 2-H 54	BOI-WO	EP523BOS Heat-on	5 x 6,4 x 10	
	HX 56 **P/N 0 1786 1** 2-H 56	ELEKTROLUX		5 x 6 x 12,7	Volvo KS3442/21/140

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	HX 106 **P/N 0 1798 1** 2-H 106	AVOG	00-14-16-31	12 x 8 x 21	
	HX 109 **P/N 0 1797 1** 2-H 109	WEBASTO	30HL1A, 1599-1721-0602	5 x 6,4 x 15	
	HX 116 **P/N 0 1790 1** 2-H 116	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
	HX 124 **P/N 0 1791 1** 2-H 124	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
	HX 155 **P/N 0 1788 1** 2-H 155	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
	HX 161 **P/N 0 1799 1** 2-H 161	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

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

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	HPIX 1 **P/N 0 1800 1**	MAD Faurecia	HPI-KOYO		
	4-HPI 1		145 110 411 034	6,95 x 12,4 x 20,3	
	HPIX 3 **P/N 0 1802 1**	MAD2 Faurecia			Citroen Saxo, Peugeot 106 Renault Kangoo
	4-HPI 3		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	Renault Trafic Engine Cooler
	**HPIX 4** **P/N 0 1803 1**	Siemens-VDO			Mercedes A-class
	4-HPI 4		fits Brush Card: 7 5003 0	5,45 x 12,2 x 22	
	HPIX 5 **P/N 0 1804 1**				BMW Mini
	4-HPI 5		145 110 400 072 fits Brush Card: 7 5004 0	5.90 x 10.8 x 27	

	IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	JASX 1 **P/N 0 1943 1** 2-JAS 1	Denso Honda	 028530-0932,0933,0990,0991, 028530-1020,1021,1030,1031, 028530-5030,5031 31215-ZA1-003,013	 6 x 9 x 12,5	028000-8411,8422,9133,9620,9622,9623, 028000-9872,9882 128000-1431,1550,4461,4590 12 Volt
	JASX 2 **P/N 0 1946 1** 2-JAS 2			 5 x 10 x 12,5	12 Volt
	JASX 4 **P/N 0 1337 1**	Suzuki	complete with: 2 springs, 2 screws 2 washers	5 x 7 x 6,3	31100-30D00 Suzuki: Chrystal, Shogun, Tornado 125 ccm 12 Volt
	JASX 5 **P/N 0 1338 1**	Yamaha	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
	JASX 7 **P/N 0 1339 1**	Honda	31201-KSS-901 Brush Holder: 31206-KW1-901	6 x 10 x 13	31200-KCN-003 Honda: Tiger 12 Volt
	JASX 8 **P/N 0 1340 1**	Honda	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

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

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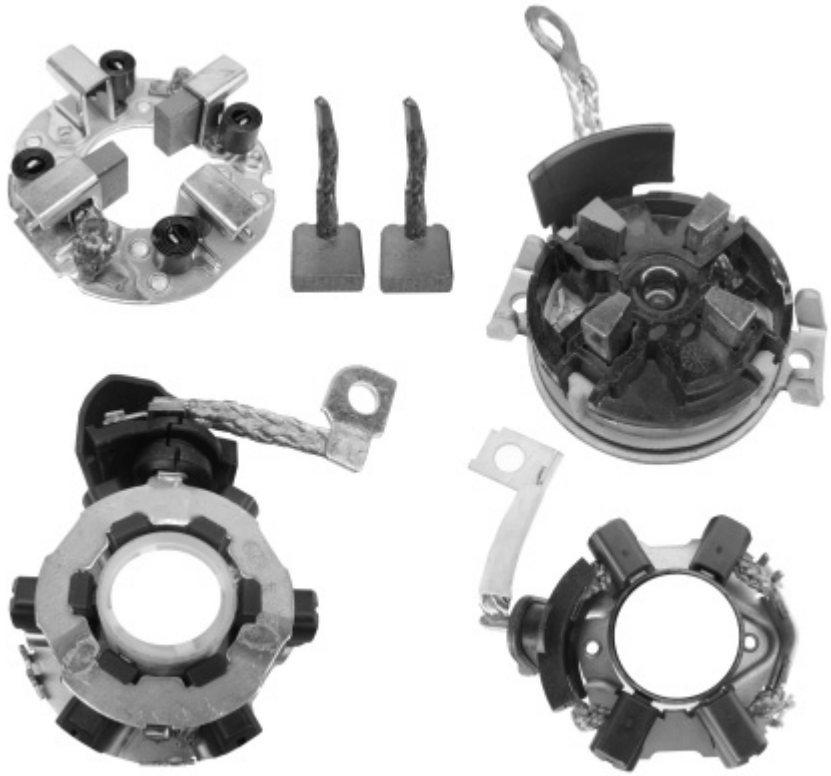
BÜRSTENHALTER UND BÜRSTENHALTER-KITS

BRUSH-HOLDERS AND BRUSHOLDER-KITS

PORTE-CHARBONS ET KITS PORTE-CHARBONS



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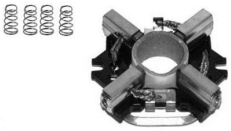
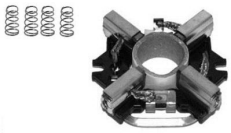
	IKA-No.	Original	References	Unit-Nos.
	7 7115 1	Bosch	2 004 336 027,041,099 with 2 negative brushes and 4 springs complete kit with positive brushes: 7 7315 1 or 7 7316 1	0 001 362 034-043,045-053,057-64 069-079,081,083-86 088-097,100,102-105 300-314,316-319, 321-332,600-607,700-705 0 001 366 001-006,008-022,024-029 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
	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

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

	IKA-No.	Original	References	Unit-Nos.
	7 7125 1	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 9 001 081 092,094 F 000 AL1 013,050-055,326,396, 459,483,532,918,919 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, 308,313,316,328,334,401,402, 414,415,502 F 000 CD0 8A0,8A1,8A2
		FIAT	776 648 44 9945064,9948027	DA(L) 12V 0.9 kW DM(L/R) 12V 0.8-1.1 kW
		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	
	7 7126 1	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	
	7 7127 1	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	
	7 7129 1	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	0 001 218 002-031,100-115 118,120-131,133-147 150-168,171-178
			1 004 112 906*,907*	9 000 331 401,402,405-409, 411-415,417-428, 430-433
			9 003 334 103*,147*,163*,	6 033 AB1 J00
			9 003 334 165*,167*,171*	EV(R) 12V 2.2/2.3 kW
			9 003 334 175*	
			* with field coil housing	
		VW	069 911 209 C	
	7 7131 1	Bosch	1 004 336 309,332,397,415, 432,433,715,744, 801,813,827,842, 938,957,964,975	0 001 106 011,014,015,025 107 010,012,014,017-019, 025,026,029,033,038, 049,054,055,062,066, 068,069,083,085,089, 091,094,095,097 121 001,002
		FIAT	9947478, 9947649	9 000 694 022
			9950837	9 007 045 020
		Nissan	23378-99B15	DW(R) 0.9 kw
		Opel	9118123, 93185011	DB/DW(R) 12V 1.1 kW
		PSA	5828 98	46468696, 46748350,
		VW	058 911 209 A	9613230280
			alternative brush holder:	92AB-11000-GA
			plastic type 7 7805 1	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
NEW	**7 7131 2** Economy Line	Bosch	1 004 336 309,332,397,415, 432,433,715,744, 801,813,827,842, 938,957,964,975	0 001 106 011,014,015,025 107 010,012,014,017-019, 025,026,029,033,038, 049,054,055,062,066, 068,069,083,085,089, 091,094,095,097 121 001,002
		FIAT	9947478, 9947649	9 000 694 022
			9950837	9 007 045 020
		Nissan	23378-99B15	DW(R) 0.9 kw
		Opel	9118123, 93185011	DB/DW(R) 12V 1.1 kW
		PSA	5828 98	46468696, 46748350,
		VW	058 911 209 A	9613230280
			alternative brush holder:	92AB-11000-GA
			plastic type 7 7805 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7132 1	Bosch Perkins Renault	1 004 336 361,456,460,468, 802,848,946,994 2873 0307 77 00 102 800 77 01 042 471 77 01 044 940 field coil connector 114 mm alternative brush holder: plastic type 7 7831 1	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 VW	9 003 334 341 9 003 334 155 Kit 9 003 334 156*,158 * 02B 911 209 A 098 911 115* * with field coil housing	0 001 218 116,117,119,132,148,149,170 EV (L) 12V 2.2/2.3 kW
	7 7135 1	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 F 026 T02 009 DB(L)12V 1.8/2.0 kW RF78-L30,35 12V(L) RF78-M27,45 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
	7 7136 1	Bosch DAF MB	2 004 336 077,078 9 001 453 625 1355895 000 154 14 15 with 4 brushes BS 177 and 4 springs replacement for 7 7139 1	0 001 371 001,004-010,012-020,119,120 9 000 453 064,068 F 000 AL0 801 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)

	IKA-No.	Original	References	Unit-Nos.
	7 7137 1	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)
	7 7138 1	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, Tourismo 15 RHD,-SHD Travego O580,-RH(D)-15,-RHD-17
	7 7200 1	Bosch	2 004 336 064 with 2 negative brushes and 4 springs limited stock	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
	7 7201 1	Bosch	2 004 336 079 with 4 brushes BS 197 and 4 springs limited stock	0 001 370 003,004 IE(R) 12V 5.0 kW MB 005 151 52 01 457 151 02 01

	IKA-No.	Original	References	Unit-Nos.
	7 7202 1	Bosch VW	1 004 336 506,637,879 020 911 209 B,-F limited stock brush holder production stopped for repair use brush set BSX 204-205 IKA-PN 0 1197 1	
NEW 	**7 7202 2** Economy Line	Bosch VW	1 004 336 506,637,879 020 911 209 B,-F limited stock brush holder production stopped for repair use brush set BSX 204-205 IKA-PN 0 1197 1	
	7 7203 1	Bosch VW	1 004 336 272,503,549,619, 629,750,878 02A 911 209 E	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
NEW 	**7 7203 2** Economy Line	Bosch VW	1 004 336 272,503,549,619, 629,750,878 02A 911 209 E	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
	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

	IKA-No.	Original	References	Unit-Nos.
	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
NEW 	**7 7205 2** Economy Line	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 003,024 02M 911 209 C	0 001 107 532,533 0 001 121 402,403,408-413,416-421, 429,430,433-436 0 399 703 117,118 708 101,102,113,114 F 042 200 000,068,088 RF70-M25 12V(L) 1.1 kw 020 911 024 D 02E 911 023,-J,-JX,-S,-SX 02M 911 023 G,-GX, 02M 911 024 D,-DX 02T 911 024 D,-K,-KX 02Z 911 023 E,-EX 0AM 911 024,-X
NEW 	**7 7206 2** Economy Line	Bosch VW	1 004 336 519,539,655,896 0 399 D77 003,024 02M 911 209 C	0 001 107 532,533 0 001 121 402,403,408-413,416-421, 429,430,433-436 0 399 703 117,118 708 101,102,113,114 F 042 200 000,068,088 RF70-M25 12V(L) 1.1 kw 020 911 024 D 02E 911 023,-J,-JX,-S,-SX 02M 911 023 G,-GX, 02M 911 024 D,-DX 02T 911 024 D,-K,-KX 02Z 911 023 E,-EX 0AM 911 024,-X

	IKA-No.	Original	References	Unit-Nos.
	7 7208 1	Bosch	2 004 336 248,249,250 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	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
		FIAT	773 635 59	KHD 118 0995,1751,2124,2382,2384
		VW	057 911 209 G brush set BSX 192-193	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
NEW 	**7 7208 2** Economy Line	Bosch	2 004 336 248,249,250 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	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
		FIAT	773 635 59	KHD 118 0995,1751,2124,2382,2384
		VW	057 911 209 G brush set BSX 192-193	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
	7 7209 1	Bosch	6 033 AD0 161,409,411 AD1 255,259	0 001 223 501-507 EV(R) 12V 2.6 kW
		Ford	BF9T-11434-AB	XC3U-11000-CA
		IVECO	9972033	500338953, 504015749
		PSA	5821 G0 brush set BSX 192-193	John Deere RE 50 134 7 SAME 29619400

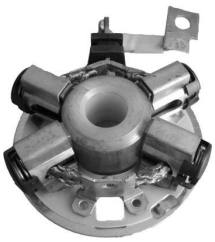
	IKA-No.	Original	References	Unit-Nos.
	7 7220 1	Bosch VW	1 004 336 561,765 053 911 209 A	0 001 107 103-106 121 030-035 RF74-M40,45 12V (R) R74-M40,60 12V (R) Overload Protection Starters VW 001 911 023, -B,-C,-CX,-X 036 911 023 S 085 911 023 H,-HX
	7 7221 1	Bosch VW	1 004 336 504,562,766 02B 911 209 D	0 001 121 024-029 F 004 A94 029 DB/DW (L) 1.1/1.2 kw RF74-M40/50/60 12V (L) 020 911 023 F,-FX 02A 911 023 L,-LX 02T 911 023 B 95VW-11000-BA,-BB,-BC 1072156
	7 7222 1	Bosch FIAT	1 004 336 528,533,579,788 F 002 G20 270 773 641 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
	7 7224 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7226 1	Bosch VW	1 004 336 515,535,554,560,661, 662,724,755,761,892 012 911 209 A 03G 911 209 D replacement for 7 7517 1	0 001 115 022,023,031,032 DW(R) 12V 1.7 kW R74-E25 12V (R) Overload Protection Starters VW 012 911 023 C, -CX 07C 911 023 E,-EX
	7 7227 1	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
	7 7229 1	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
	7 7230 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7234 1	Bosch VW	1 004 336 510,547,636 0 399 D77 008 03G 911 209 C replacement for 7 7523 1 replacement for 7 7134 1 1 004 336 502, 505, 526, 534, 542, 547, 580 1 004 336 593, 600, 607, 608, 630, 632 1 004 336 702, 703, 711, 718, 723, 789 , 799 1 004 336 866	0 001 107 406,421,422,427,428,438,439, 446,447,450-453,459-464 508,509,534,535,540 0 399 703 132,133 708 041,042 1 986 S00 009,010,011 DW(R) 12V 1,1 kw R70-M10,-15,-20,-25,-35,-45 12V(R) RF70-M25 12V(R) 005 151 39 01 006 151 37 01 006 151 59 01 006 151 60 01 636 151 03 01 28100-0Q021 06B 911 023C 06C 911 023,-X 06D 911 021B,-BX,-D 06D 911 023B 06E 911 021B,-BX 06H 911 021A,-AX,-B,-E,-EX
NEW 	**7 7234 2** Economy Line	Bosch VW	1 004 336 510,547,636 0 399 D77 008 03G 911 209 C replacement for 7 7523 1 replacement for 7 7134 1 1 004 336 502, 505, 526, 534, 542, 547, 580 1 004 336 593, 600, 607, 608, 630, 632 1 004 336 702, 703, 711, 718, 723, 789 , 799 1 004 336 866	0 001 107 406,421,422,427,428,438,439, 446,447,450-453,459-464 508,509,534,535,540 0 399 703 132,133 708 041,042 1 986 S00 009,010,011 DW(R) 12V 1,1 kw R70-M10,-15,-20,-25,-35,-45 12V(R) RF70-M25 12V(R) 005 151 39 01 006 151 37 01 006 151 59 01 006 151 60 01 636 151 03 01 28100-0Q021 06B 911 023C 06C 911 023,-X 06D 911 021B,-BX,-D 06D 911 023B 06E 911 021B,-BX 06H 911 021A,-AX,-B,-E,-EX
	7 7235 1	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

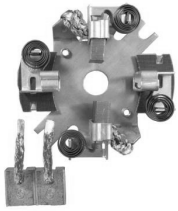
	IKA-No.	Original	References	Unit-Nos.
	7 7237 1	Bosch VW	1 004 336 538,569,570,625, 626,714,774,780 03G 911 209,- A 059 911 209 C	0 001 109 064,065 125 053,054 RF78-M28 12V (R) R78-M28 12V (R) 03G 911 023,- A,-AX,X
	7 7239 1	Bosch VW	1 004 336 576,656,785 02M 911 209 D	0 001 122 400-403 RF70-L25 12V (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
	7 7241 1	Bosch

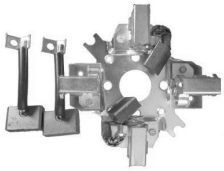
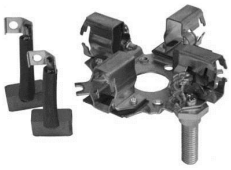
	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7241 2** Economy Line	Bosch	6 033 AD0 130,156,380,383, 471 6 033 AD4 016,026,054,161, 180,194,212 6 033 AD5 128,179,316,320 0 399 D57 017 9 003 334 363 Stator Frame: 2 005 005 201 6 033 AD0 128,151,152,189, 473 6 033 AD4 064,093,094,098, 099,107-110,158, 166,177,199 6 033 AD5 111,153,154	0 001 231 001-014,016-019,023, 026-030,032-036,038-041, 045,046,119,133,146,502 0 001 241 001,003-009,012,014-016, 018-026,038,119,128 F 002 G20 786 EV(R) 24V 4.0 kW HE95-M 24V(R) HEF95-L 24V(R)
		DAF	1382557,1396690,1658737, 1676629,1686585,1780595, 1784352,1793874	DAF 1516660R, 1516694R, 1516696R, 1516786R, 1633811, 1725900, 1735788, 1739935, 1739936
		Fendt	F926 900 060 070	
		IVECO	42546436,42560318 9972097,9978020	IVECO 500325317,504036695,994327600
		KHD	1319757,1319758,1319905	KHD 118 0999,-1101,-2235
		MAN	51 26 216 0003,0005, 0006	MAN 51 26201 7157,-7183,-7193, 51 26201 7213,-7222,-7223, 51 26201 7228,-7239,-7512
		MB	000 151 07 40,- 08 40,- 09 40,- 18 40	MB 004 151 84 01 005 151 20 01 007 151 02 01
		Volvo	21477606,3099589	Renault 50 10 306 413, 50 10 508 443 Scania 1447911 Weichai Power WDEW 61260000090409
			brush set: BSX 216-217 Replacement for old model 7 7199 1 Replacement for 7 7242 1	
	7 7243 1	Bosch	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	0 001 230 001-010,012,014,018, 020-024,026,030 F 002 G20 785 EV(R) 12V 3.0 kW HE95-M 12V(R)
		John Deere	RE 50 191 0 RE 50 881 5, RE 50 881 8	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
		Fendt	F716 900 060 040	
		IVECO	82035765, 9971889	IVECO 4755109,500325146,500338952, 500389864,504031929,504036476, 504 059251,504108451
		KHD	131 9759, 131 9875	KHD 118 0928, -1570, -1976, -2179, 118 2233, -2388
		MB	000 151 04 40 000 151 15 40	MB 004 151 93 01 006 151 23 03
		Renault	50 01 846 342 50 01 855 189	Renault 50 10 306 412 SAME 29619390
			brush set: BSX 224-225 Replacement for old model 7 7210 1	VW 07Z 911 023 A, -BX, -G IVECO TL 70,80,90,100 4.0 l Vertis 90V16,130V18 Renault JE 9,-11,-13,-15 210,260 Midlum 5.5/6.2 l VW Phaeton 5.0 TDI 4Motion Touareg 5.0 TDI

	IKA-No.	Original	References	Unit-Nos.
	**7 7245 1**	Bosch	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 replacement for 7 7246 1 brush set: BSX 202-203	0 001 330 004-008,011-014,017,018, 020,047,048,050,057,060, 065-072,502,509-513,515 33A F11 33E 706,707 33F 407,408,411,412,707,708, 713,714,805 33G H01 340 510 34F 203,204,503,505,508,704 0 399 B50 306,307 GVB(R) 24V 6.0 kW HEF109-M,-MP 24V(R) HEP109-MP 24V(R) Caterpillar 327-2771, 333-2082,-2083 389-5796,-5799,-5833 436-9103,-9104, 441-5927 IVECO 5802048706 KHD 0 118 1681 Komatsu 600-813-7152,-7542 Liebherr 10219978, 11386644-646 MB 005 151 64 01 006 151 00 01,-15 01,-69 01 007 151 04 01 Renault 50 01 854 179, 50 10 306 701 Scania 1447912 Volvo Penta 3595446,3827444 MB Actros,Antos,Axor,Citaro,Conecto Integro,Intouro O 530, O 580 Travego,Touro,Tourismo Renault 390/430/470 AE Magnum Volvo FH 16 540,-550,-580,-610,-660 FH 540,-600,-700,-750
	7 7280 1	Bosch VW	1 004 336 453,514,867,891 03G 911 209 L,-N,-Q limited stock altenative product 7 7823 1	
	7 7281 1	Bosch Chrysler Porsche VW	1 004 336 434,451,828,980 03G 911 209 F limited stock	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

	IKA-No.	Original	References	Unit-Nos.
	7 7285 1	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
	7 7286 1	Bosch	1 004 336 588,796 limited stock	0 001 115 035 R74-E25,-35 12V(R) Lombardini 5840 224 0
	7 7288 1	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 430,522 773 641 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 292,359,385,516,550,618,622,672,795 F 004 A94 002 F 026 T02 010 DB/DW(R) 12V 1.7-2.2 kw R78-M10,28,45,55 12V (R) RF78-M10,27,28,45 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 Hatz 506 24 600

	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

	IKA-No.	Original	References	Unit-Nos.
	7 7293 1	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
	7 7315 1	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
	7 7316 1	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
	**7 7317 1**	Bosch Kit	1 004 336 009,027,033,036, 1 004 336 040,046,057 1 007 010 027 with additional positive brushes 2 x BS 104 replacement for 7 7318 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7319 1	Bosch Kit	2 004 336 028,044,067 with additional positive brushes 2 x BS 164	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
	**7 7320 1**	Bosch Kit	2 004 336 031,046 with additional positive brushes 2 x BS 145	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 7337 1**	Bosch Kit	2 004 336 085,087 with additional positive brushes 2 x BS 171	0 001 372 001,004 IE/JE(R) 24V 6.2 kW
	7 7338 1	Bosch Kit	2 004 336 066,086 with additional positive brushes 2 x BS 171	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
	7 7504 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7505 1	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
	7 7506 1	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 7287 1 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 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
	7 7507 1	Bosch DAF	2 004 336 095,100,123 0 399 D57 009,027 2 007 010 173*,174*,183* Kit 1954639* Kit Stator Frame: 2 005 005 182 Brush Set BSX 241-242	0 001 261 001-008,011-014,016-018, 020-037,041,044-047, 049-055,059-062,069-072, 085-088 0 001 263 001-004,007-020,047-054, 501-506 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

IKA-No.	Original	References	Unit-Nos.
7 7508 1	Bosch	1 004 336 502,505,525,526, 534,542,580,583, 593,607,608,630, 632,634,702,703, 718,789,866	0 001 107 401-405,407-419,423-437, 440-449,456,474,478,479, 490-495,499-502,514,521, 522,525-531,545
		0 399 D77 021	0 001 121 422,423,427,428,443,444
			9 001 107 434
	FIAT	773 632 47, 773 638 13	F 000 AL0 900
		9949611	F 002 G20 485,594,699,917,939,962,996
	MB	001 151 24 14	F 002 G70 057,069
		001 151 35 14	F 004 A94 000,001,410,418,434,441,449
		001 151 47 14	DW(R) 12V 1.1 kw
		001 151 48 14	R70-M10,-M15,-M20-,M25 12V (R)
		001 151 64 14	RF70-M25 12V (R)
	Opel	93180121, 93178218, 9199524	12 41 1 740 374
	Toyota	28140-0D130	12 41 2 354 701
		28140-0Q020	12 41 7 521 116,122,123
			12 41 7 524 843
		replacement for 7 7134 1	12 41 7 526 236
			12 41 7 594 292
			12 41 7 610 341,343,348
			12 41 7 715 390,391
			05033 556AC
			96550792
			1516657R
			46791692, 51808557, 51832959, 55193406,
			55193460, 717 398 64
			BAFZ-11001-A
			DS7T-11000-GA
			ED-11001-A
			F02Z-11002-A
			F892-11002-AA
			XE-11001-C
			1R23-11001-AA
			2S6U-11000-CA,-CB,-CC,-DA,-DB,-DC
			5R29-11001-AA
			6G9N-11000-LA,-LB,-LC,-LD
			91DA-11001-A,-AB
			1307578, 1309581, 1575034
			LR 002348, LR 029180, LR 009338
			004 151 69 01
			005 151 06 01
			005 151 34 01
			1202110, 1202281
			24406133, 24436877, 24437136
			55351508, 55351608, 55353257, 55566800,
			55568572, 55578921
			9115190, 9115197, 9199321
			93171936, 93171950, 93175996, 93176051, 93178138,
			93178167, 93184533,534,535, 93186246
			28100-0D130
			28100-0N010
			28100-0T030,-C
			28100-0T090,-091
			069 911 023 G
			100 911 023 G

	IKA-No.	Original	References	Unit-Nos.
	7 7509 1	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
	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 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
NEW 	**7 7520 2** Economy Line	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

	IKA-No.	Original	References	Unit-Nos.
	7 7522 1	Bosch MB	1 004 336 658 1 004 337 173 001 151 65 14	0 001 122 201,202 DB 006 151 63 01 RF74-L65 24V (R) 1.4 kw MB G 300 CDI
	7 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

	IKA-No.	Original	References	Unit-Nos.
	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
	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 1 004 337 156 773 651 21 31173-T62MA0-000 31173-62MA0-00	137 001-004,011,012 138 001,002,009,010,017-020,045,046, 051,052,069-072 S74-L/M 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 FIAT 518 047 44, 518 103 08, 518 293 80, 518 739 26 Suzuki 31100-62MA0 000 KIA/Hyundai 36100-2B300, -301 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 A4L 3.0 T 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 A6L 3.0 A7 2.8 FSI Sportback A7 3.0 TFSI Avant quattro,-Sportback quattro A8 2.5 TFSI 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,-Coupe,-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

IKA-No.	Original	References	Unit-Nos.
			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 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 CW/GDI/LPG ix20 1.4/1.6, ix35 1.6 CW/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,-Sedan 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 AA 03G 911 209 E	0 001 153 001,002,005-010,015,016,029,030 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

IKA-No.	Original	References	Unit-Nos.
			Tiguan 2.0 TDI/TSI,-4Motion Touran 1.6/2.0 TDI Transporter T5/T6 2.0 T,- TDI,-4Motion latest models
7 7538 1	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
7 7539 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7540 1	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
	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 03G 911 209 G 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 901,903 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

	IKA-No.	Original	References	Unit-Nos.
	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
	7 7545 1	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
	7 7546 1		1 004 337 034,047,050,144 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
	7 7547 1	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

IKA-No.	Original	References	Unit-Nos.
			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
	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

	IKA-No.	Original	References	Unit-Nos.
	7 7549 1	Bosch	1 004 337 165 0 399 D77 054 alternative product for 1 004 337 153 = 7 7291 1 1 004 337 154 = 7 7292 1 with 6 brushes instead of 4 for longer life time	0 001 138 043,044,049,050,053,054, 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 7 626 546,547 12 41 7 631 025,054 12 41 7 638 192-194,196 12 41 8 612 576 Brilliance Auto 762600002 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 (2011-2015) X 1 xDrive 2.0i/2.8i (2011-2015) X3 xDrive 2.0i/28i >09/2011 Z4 sDrive 18i,/20i/28i >09/2011 gasoline models
	7 7550 1	Bosch	1 004 338 100,112,126,140,178 0 399 D77 052,055,098 VW 03G 911 209 T	0 001 179 500-523,526,527,530,531,602-605,607-609 SCF70-SX 12V(L) SCF70-UQ 12V(L) MB 270 906 12 00 VW 02E 911 022 H 02E 911 024B,-BX 02M 911 021G,-GX 02M 911 022 F,-FX 02M 911 024Q,-QX 02Z 911 022 C,-CX 02Z 911 024Q,-QX 0AH 911 023J 0AM 911 022 C,-CX 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

	IKA-No.	Original	References	Unit-Nos.
				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
	7 7551 1	Bosch	1 004 337 175 model with 4 brushes 1 004 337 155 = 7 7548 1	0 001 148 508,509,514,515 SL74-E+ 12V(R) 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 FIAT	1 004 338 113,117,125, 136,205 0 399 D77 108 773 671 84	0 001 170 400-403,406,407,410,411, 600,601,610,611,640,641 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

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

7 7553 1	Bosch	1 004 336 697 1 004 337 149, 158,167,182	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
	FIAT	773 679 91	

	IKA-No.	Original	References	Unit-Nos.
	7 7560 1	Bosch MB	1 004 336 689 1 004 337 060, 070 001 151 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
	7 7562 1	Bosch MB	1 004 337 015,035,043,061,151 001 151 75 14 with EMC electromagnetic compability	0 001 147 400, 401 SL74-L 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 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	Bosch MB	1 004 337 016,020,021,036 1 004 337 044,062,152 001 151 74 14 001 151 76 14 with EMC electromagnetic compability brush holder with 6 brushes Replacement for IKA 7 7568 1 brush holder with 4 brushes	0 001 147 402-407 SL74-L 12V (R) Mercedes RFI Overload Protection Start/Stop Starters 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

	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 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 w/o. EMC see IKA 7 7575 1	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 l CDI Viano CDI 2.0/ 2.2 Vito 110,113,116 CDI
7 7570 1	Bosch	1 004 337 073	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.
	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
	7 7572 1	Bosch	1 004 338 145	0 001 174 600,601 SCL70-L 12V (R) Opel 36 40 268 Citroen/Peugeot 1111 11 PSA 96 756 60680 Citroen Berlingo 1.6 BlueHDi > 2015 C3,-Aircross 1.6 BlueHDi > 2016 C4,-Cactus 1.l BlueHDi > 2014 C4 Grand Picasso,-Picasso 1.6 BlueHDi > 2014 DS3 1.6 BlueHDi,-Cabrio > 2013 DS4 1.6 HDI,-BlueHDi > 2014 DS5 1.6 BlueHDi >2013 Jumpy 1.6 BlueHDi > 2016 Space Tourer 1.6 BlueHDI > 2016 Opel Crossland X 1.6 > 2017 Peugeot 208 1.6 HDi,-BlueHDi 308 1.6 BlueHDi,-SW 508 1.6 BlueHDi,-SW 2008 1.6 HDi,-BlueHDi 3008 1.6 BlueHDi 5008 1.6 HDi Expert, Partner 1.6 BlueHDi latest models > 2014
NEW	**7 7573 1**	Bosch	1 004 338 138, 139, 141, 142,149, 156, 195, 196	0 001 170 604,605,624,625,628,629 0 001 174 402-405, 604,605 SCL70-S/M 12V (R) Nissan 23100-4GD3A CX, -EM 23100-JD10A 23300-0379R 23300-3359R 23300-4868R 23300-7224R Renault 23 10 04G D3ACX,-EM 23 10 0JD 10A 23 30 003 79R 23 30 033 59R 23 30 048 68R 23 30 072 24R VW 04L 911 021,-B,-BX,-X 06M 911 021,-X AUDI A4 2.0 TDI,-Avant,-Avant quattor,quattro A4 Allroad 2.0 TDI A5 2.0 TDI Cabriolet,-Coupe,-Coupe quattro A5 2.0 TDI Sportback A6 2.0 TDI,-Avant A6 3.0 TFSI Avant quattro,- quattro A6 Allroad 3.0 TFSI A7 3.0 TFSI Sportback Q5 2.0 TDI,-quattro Q35/40 TDI quattro RS4 2.9 Avant quattro RS5 2.9 TFSI Sportback S4 3.0 TFSI Avant quattro,-quattro S5 3.0 TFSI Cabriolet,-Coupe quattro,-Sportback SQ5 3.0 TFSI quattro Dacia Duster 1.5 DCi 110,- 110 4 Renault Captur 1.5 dCi, dCi 90,- 1.6 Clio IV 1.5 dCi,-dCi 75,-G,-dCi 90,-G Clio IV 1.5 dCi Grand Tour Grand Scenic IV 1.5 Kadjar 1.5 dCi 110,-115 Kangoo II 1.5 dCi Megane III 1.5 dCi C-G,-H, Megane IV 1.5 dCi,-Grand Tour,-Hybrid Assist,

	IKA-No.	Original	References	Unit-Nos.
				Scenic III 1.5 dCi Scenic IV 2.5 dCi,- Hybrid Assist Talisman 1.5/1.6 dCi,-Grand Tour 1.6 TCe 200 1.7 dCi 120,150 latest models >2015
	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
	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 alternative product 7 7580 1 w/o 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

	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
NEW 	**7 7578 1**		1 004 337 160	0 001 136 002,003,005-008 0 001 137 005,006 0 001 138 055,056 S74-S/M/L 12V(R) 36100-2B302 23300-1073R 23300-6124R, -7223R,-7224R 23 30 010 73R, 23 30 059 51R 23 30 061 24R, 23 30 072 24R 55572440 Chevrolet Aveo, Cruz, Orlando 1.2/1.4 Trax 1.4 Hyundai i20 1.4, i30 1.4/1.6, i40 1.6 GDI ix20 1.4/1.6, ix35 1.6 GDI Creta, Tucson, Veloster 1.6/GDI KIA Carens 1.6 GDI Cee'd 1.4/1.6 Pro Cee'd 1.4/1.6 Rio 1.4, Soul 1.6 Soul 1.6 Sportage 1.6 GDI Venga 1.4/1.6 Opel Corsa 1.2/1.4 Renault Captur 1.5 dCi Clio IV 1.5 dCi Grand Scenic III 1.5 dCi Megane III 2.0 Coupe RS, TCe CC
NEW 	**7 7579 1**		1 004 338 133,144 1 004 338 200	0 001 172 404,405,410,411 0 001 180 602,603 SC70-M 12V(R) SCL70-MX 12V(R) DS7T-11000-GA DS7Z-11002-J F1FT-11000-NA,-NB GV6T-11000-AA GV6T-11002-A Ford Focus RS 2.3 EcoBoost Focus ST 2.0 EcoBoost Galaxy 2.0 EcoBoost Mondeo 2.0 EcoBoost S-Max 2.0 EcoBoost models >2014

	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7580 1**	Bosch MB	1 004 337 193 1 004 337 017,023,040,045,168, 185 001 151 73 14 Replacement for 7 7575 1	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
NEW	**7 7640 1**	Bosch Caterpillar John Deere KHD	1 986 SE3 630 2 004 336 118	0 001 350 010, 013, 022, 023, 024, 025, 032, 037 0 001 35F 202, 402, 702 0 001 36A A03, H03 0 001 36F 202, 302, 402, 507 420-1987, 1989, 1992 422-7560, 7567, 7553, 7554, 7555 436-9105, 9106 500-7312 516-2856 DZ 10471 04611915KZ
NEW	**7 7641 1**	Bosch MTU Liebherr	1 986 SE3 632 2 004 336 127	0 001 340 501, 503 0 001 34B B01 X52 417 200 001 101 205 41 104 54 907
NEW	**7 7642 1**	Bosch JW 2G Enery AG	1 986 SE3 633 2 004 336 128	0 001 330 073 0 001 340 504, 509 1 986 S10 003 587989, 1219312 61014-05598, 13259
	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

	IKA-No.	Original	References	Unit-Nos.
	7 7803 1	Bosch	2 004 336 212	0 001 106 012,017-019,026,027
			1 004 336 239,314,320,321, 368,382,391,421, 716,728,809,810, 831,853,970,985	0 001 107 009,015,016,027,028,030,034,037, 038,041,044,045,048,050,056, 059-061,063,064,067,072,075,076, 079,082,086,088,089,092,093,096, 100,101
			F 000 AL1 171,933	
		FIAT	9949392	F 000 AL0 106,144,158
		MB	001 151 00 14	6 000 AA0 013
			001 151 34 14	9 000 694 035,044
			001 151 34 15	9 001 107 088
		Nissan	23378-1F705	F 000 AL0 113
		Opel	90542850	DW(R) 12V 0.9-1.2 kW
			93180602	R74-M10,-M20,-M25,-S10 12V(R)
				12 41 1 489 994,-995
		PSA		12 41 7 570 487,-488
		Renault	77 01 047 321	93 427 646
		Toyota	28140-02020	04686 512,-AC,-CB,-CC
		VW	069 911 209 D	60562974, 9615519880,9624291380
				91AB-11000-LB
			replacement for 7 7260 1	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,
				90487345,90508037,90512188,
				90512189,90518627,90518628
				9200961
				23300-1F705,-1F715
				23300-99B16
				96 147 592, 96 155 198
				5802 E4
				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
	7 7804 1	Bosch	2 004 336 226	0 001 107 047,077,098
			1 004 336 338,392,444,717, 833,989	DW(R) 12V 1.1 kW
				R74-M20 12V(R)
		Opel	09117925	1516788R
		Renault	77 01 042 469	9117691,9200960
				90586916,93184536
			replacement for 7 7283 1	77 00 105 080
				77 00 865 719

	IKA-No.	Original	References	Unit-Nos.
	7 7805 1	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
		Ford	BF5-A11082-A	9 007 045 020
		KHD	01340542	DB/DW(R) 12V 0.9-1.1 kW
		Nissan	23378-99B15	1516766R,1516773R,1516776R
		Opel	90444710,9118123,93185011	46468696,46748349,46748350,
		PSA	5828 98, 9947649	46821681,55193407
		VW	001 911 209 053 911 209 058 911 209 A alternative product for brass type 7 7131 1	9613230280,9615519880, 9624291380 92AB-11000-GA,-GB 92BB-11000-AA 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
	7 7806 1	Bosch	2 004 336 220 1 004 336 219,326,427,428, 435,469,775,776, 820,870,937,987	0 001 106 020 0 001 107 011,024,039,040,046, 058,080,090 F 002 G20 318
		Nissan	23378-99B05 replacement for 7 7259 1	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
	7 7807 1	Bosch	2 004 336 215,260 1 004 336 417,746,821,951	0 001 106 016 0 001 107 003-008,020-023,052,053
		VW	02B 911 209 alternative product for brass type 7 7126 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7811 1	Bosch	2 004 336 209,227 1 004 336 337,343,363,374, 375,823,832,850, 859,935,971,973	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)
		Opel	90444706	1516807R
		PSA	95655222, 5825 C4	90490356,90490771,
		Renault	77 01 039 506 77 01 044 936,-938 77 01 047 322	90541527,90563736, 93177175,93184538, 96017849,96035034, 96092340,96325689
			replacement for 7 7257 1 7 7258 1 7 7296 1	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
	7 7812 1	Bosch	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	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
			1 007 010 065 Kit	F 002 G20 049,052,101,141,
		BMW	12 41 1 722 849	449,500,639
			12 41 1 735 887	F 005 M00 006,010,011,013,016
		FIAT	9939779,9950076	F 010 AL0 103
		Ford	AU2-11049-A	DW(R) 12V 1.1-1.6 kW
			V86BB-11061-AA	DW(R) 24V 1.6 kW
		MB	001 151 46 14	R74-L20,-L25,-L35 12V(R)
			001 151 49 14	R74-E10 12V (R)
			001 151 87 14	12 41 1 312 104,130
			001 151 96 14	12 41 1 720 642
			001 151 98 14	12 41 1 726 504
			001 151 99 14	05097072AA
		Mitsubishi	MR922747	1516802R
		Opel	905434727,9196673	9629473280
			1203039	94GX-11000-AA, 5030457
		Porsche	5825 C1	005 151 65 01
		PSA	5825 C1, 5825 C5	55351631
			95 656 565	90542967, 90566073
		Volvo	1363547	93176056, 93184537, 93184539
		VW	035 911 209 D.-E	5802 A9, 5802 C1
			078 911 209,-A	5802 E1, 5802 E5 5802 F0, 5802 F5
			replacement for 7 7256 1	96 092 340, 96 147 592, 96 343 143
			alternative product for brass type 7 7124 1	77 00 114 428 49 66 842, 88 28 238 034 911 023 035 911 023 N 078 911 023,-B

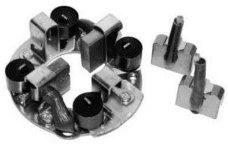
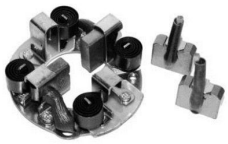
	IKA-No.	Original	References	Unit-Nos.
	7 7813 1	Bosch	2 004 336 219 1 004 336 147,426,442,467, 772,811,904,919, 923,961	0 001 108 005,014,015,050,058-060,076, 077,094-097,099,127,147,168 0 001 111 001,005 9 000 694 021
		Ferrari	493 323	DW(L) 12V 1.1-1.4 kW
		FIAT	9944377,9944734	DW(L) 24V 1.6 kW
		Piaggio	433 323	7727534,76683140
		VW	02A 911 209 A	293 762 Piaggio 563 30 Ruggerini
			replacement for 7 7128 1	933 604 001 00 02A 911 023 C,-D 02B 911 023 B 055 911 023 G
	7 7814 1	Bosch	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
			limited stock	944 2.5,-S,-Turbo 944 2.7
	7 7821 1	Bosch	2 004 336 218 1 004 336 424,452,763,803, 852	0 001 115 002,007 0 001 123 001 DB/DW(R) 12V 1.7 kW
		Volvo	9442299	R/RF74-E10 12V(R)
		VW	03G 911 209 M	30658566 9162400,9168267
			replacement for 7 7248 1 7 7249 1	996 604 103 00
	7 7822 1	Bosch	2 004 336 213 1 004 336 396,414,470, 722,743,824	0 001 115 009,012,016,017,024 DW(R) 12V 1.7 kW R74-E10 12V(R)
		MB	0 001 151 08 14 0 001 151 45 14	55351631 9146359
		VW	07C 911 209	9200610 93176056,93184539
			replacement for 7 7250 1	07C 911 023,-X
	7 7823 1	Bosch	2 004 336 224 1 004 336 453,514,867,891	0 001 115 011,013,118 DW(L) 12V 1.7kW
		VW	03G 911 209 L,-N,-Q	R74-E10 12V(L) 996 604 107 00, 01, 02
			replacement for 7 7247 1 replacement for 7 7280 1	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

	IKA-No.	Original	References	Unit-Nos.
	7 7831 1	Bosch	2 004 336 233	0 001 109 035
			1 004 336 361,456,460,468, 802,848,946,994	0 001 110 089,114 0 001 115 001
		Renault	77 01 042 471	DW(R) 12V 1.7kW
			77 01 044 940	1516790R 60 01 040 105
			old model:	77 00 102 800
			brass type 7 7132 1	77 00 866 505
	7 7833 1	Bosch	2 004 336 235	0 001 110 126-129,132
			1 004 336 279,409,422,729, 738,860,868	0 001 124 020,021 F 000 AL0 108
		Toyota	28140-0G010	DW(R) 12V 1.8kW
			28140-0G030	R/RF78-L25 12V(R)
		VW	068 911 209 J	28100-0G010 28100-0G030
			replacement for 7 7284 1 7 7295 1	068 911 024 F,-G,-GX,-H
	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 DW(R) 12V 1.6-2.2 kW
		BMW	12 41 1 726 041	R78-M10,-M15,-M20,-M25 12V(R)
		FIAT	9940747,9947402,9945959, 99504680	12 41 1 731 898 12 41 7 720 663,-664
		Ford	84AB-11061-AB	1516753R
			84AB-11461-AB	05226948
			6147939	4392461,46231601,46446291,5997309,
		MB	001 151 17 14	7540278,7580192,7587118,7597118,
			000 151 92 14	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	91AB-11000-FA,-FB
			068 911 209 F,-G,-H	91BB-11000-LA
			077 911 209,-A,-B	91BX-11000-LA 92AB-11000-HA,-HB
			replacement for 7 7251 1	92AX-11000-HA
			alternative product for	1644028,5016235,5027120,
			brass type 7 7129 1	6147936,6158978 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

	IKA-No.	Original	References	Unit-Nos.
	7 7836 1	Bosch	2 004 336 237,241	0 001 109 001-003,006-010,014,016-019,
			1 004 336 301,400,412,430,	024-026,028,030,031,033,036,
			431,438,445,447,	040,042,043,045,046,048,049,
			472,730,741,778,	056,363,419,420,442
			779,804,829,836,	0 001 110 100,101,112,115
			840,881,956,996,	F 000 AL0 105,107,112,117
			997	DW(R) 12V 1.6-2.0 kW
		FIAT	994784, 994840, 9951205	R78-M10,-15,-25 12V(R)
			99478260, 9947840, 9951021,	RF78-M25 12V(R)
		MB	001 151 03 14	12 41 2 242 703
			001 151 43 14	12 41 2 246 570
			001 151 44 14	12 41 2 446 570
		Opel	9117908	12 41 4 371 646
		Porsche		93389727
		PSA	5825 D0	1516655R, 1516680R
			91536044, 994784	46430721, 46430784, 46437520,
		VW	031 911 209	46800159, 60814911, 9947830
			077 911 209 C	2T14-11000-AA
				004 151 70 01, 004 151 89 01
			replacement for 7 7252 1	004 151 92 01
			7 7297 1	120 2143
			7 7298 1	90511841, 90519332
				91154217, 91536044
				96035035, 96054384
				031 911 023 A,-AX,-C
				077 911 023 E,-EX
	7 7837 1	Bosch	2 004 336 234	0 001 109 015,042,046,052,055,061-063
			1 004 336 394,461,720,999	DW(R) 12V 2.0 kW
		Opel	90540337	R78-M15,-M25 12V(R)
			93185014	1516830R
				24422273, 24454431
			replacement for 7 7532 1	09200962
				55351630
				90512467, 90519015, 90519331,
				90566073, 93171526, 93176034,
				53 42 340
				53 43 371
				95 44 537
	7 7838 1	Bosch	2 004 336 230	0 001 109 011,023,044
			1 004 336 257,402,440,446,	0 001 110 001,002,009,010,013-019,021,
			459,466,732,847,	022,031-033,039,047,057-059,
			906,926,927,933,	061,062,069,070,076,077,081,
			958,983,988,991	084,085,098,099
			1 007 010 053 Kit	0 001 125 005,006,009,010,018,019
			1 007 010 054 Kit	DB/DW(L) 12V 1.6-2.0 kW
			02A 911 209 B	R78-M10,-M25 12V(L)
		VW	020 911 209	1516724R, 1516749R,1516782R
			021 911 209	97VW-11000-BA
			036 911 209 A	004 151 87 01
			068 911 209 E	911 604 102 01
				964 604 104 00, 965 604 104 00
			replacement for 7 7255 1	02A 911 023 B,-C,-G,-H,-S
				02B 911 023 C
			alternative product for	02M 911 023 A
			brass type 7 7127 1	020 911 023 A,-B,-D,-P,-PX
				020 911 024 A
				068 911 023 G,-M,-T
			field coil connector 64mm	098 911 023

	IKA-No.	Original	References	Unit-Nos.
	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
		VW	02A 911 209 C replacement for 7 7294 1	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
NEW	**7 7840 1**	Bosch	2 004 336 239 1 004 336 425	0 001 109 252, 439
		MB	A 001 151 4414	
NEW	**7 7841 1**	Bosch	2 004 336 243 1 004 336 454	0 001 109 200, 206

	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 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
	**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

	IKA-No.	Original	References	Unit-Nos.
	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
NEW	**7 7606 2** Economy Line	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
NEW	**7 7608 1**	Denso Toyota	128099-6320 complete with 4 brushes brush set JASX 105-106 IKA P/N 0 1921 1	228000-9900, 9901, 9902 428000-1080 1.4kW PMGR CCW 12V Lexus ES300-RX330, Scion TC 2.4l Toyota Camry, Crown, Confort, Sienna, Solana, Vios 2.4/3.0/3.3l
	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
NEW	**7 7629 2** Economy Line	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

	IKA-No.	Original	References	Unit-Nos.
	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
	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

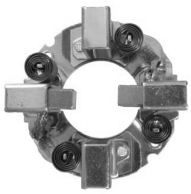
	IKA-No.	Original	References	Unit-Nos.
	7 7211 1	Ford-Visteon	E90Z-11061-A,B,C complete with 4 brushes	E90F-11000-AA,-BA E9SF-11000-AA,-BA F02F-11000-AA F07U-11000-AA,-BA F0CF-11000-AA,-BA F0OU-11000-AA F13U-11000-AA F17U-11000-AB F1VU-11000-AA PMGR-Starter Ford USA
	7 7212 1	Ford-Visteon	F3RZ-11061-A complete with 4 brushes	93BB-11000-HB,-JB,-JC, 93BB-11000-KA,-KB,-KC PMGR-Starter Ford Europe
	7 7215 1	Ford-Visteon	complete with 4 brushes	1S7U-11000-AB, -AC, 2S6U-11000-EB, 96BB-11000-AA, -AB, -AC 96FB-11000-MG 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 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 7140 2 Economy Line	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 with 2 negative brushes complete kit with positive brushes: 7 7341 1	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481,489,525 23378-05E00
	7 7142 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100 with 2 negative brushes complete kit with positive brushes: 7 7342 1	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 23378-10G00 OSGR 12 Volt
	7 7143 1	Hitachi	2250-7310 with 2 negative brushes complete kit with positive brushes: 7 7343 1	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500

	IKA-No.	Original	References	Unit-Nos.
	7 7341 1	Hitachi	2114-4311, -19008 2114-29007,-39001,-49007 2114-69008,-79001,-89007 Kit with additional positive brushes 2 x JAS 81	S114-252,-A,-F,253A,-B,254A,-C,-D S114-255A,256B,257,357A,374B S114-393,480,481,489 Nissan 23378-05E00
	7 7342 1	Hitachi	2130-1306,-13022 2130-73021,-73022,-93021 2240-1310,-2310,-3310 23378-10G100 Kit with additional positive brushes 2 x JAS 74	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 23378-10G00
	7 7343 1	Hitachi	2250-7310 Kit with additional positive brushes 2 x JAS 36	S13-33,-A,-B,-34A,-37,-B S13-38B,-41A,-B,-45A,-B S25-156 Nissan 23300-C8601 Nissan 23300-J5500
	7 7524 1	Hitachi	2114-23104,-39008, -83102,-93102 complete with 4 brushes and 4 springs	S114-505,-A,507A,509,516,-A 517,-C,518,519A,523 526,-A,-B527,-A,-B,530,533 535,701A,-B,-BR,705A

	IKA-No.	Original	References	Unit-Nos.
	7 7190 1	Marelli / FIAT	832 244 61 832 253 26 with 1 negative brush usable for brush holders with 2 and 3 brushes complete kit with positive brushes: 7 7390 1	631 010 00 631 020 03,04,07,08 632 010 08 632 228 89,97 632 229 00,01,05 632 230 85 632 231 01,03,08 632 931 01 Brava,Fiorino,Palio,Tipo,Siena, Strada E80E 0,9-12 12 Volt
	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 7390 1	Marelli / FIAT	832 244 61 832 253 26 9945553 Kit with additional positive brushes 1 x JS 39 1 x JS 40 for brush holders with 3 brushes also usable for 2 brushes	631 010 00 631 020 03,04,07,08 632 010 08 632 228 89,97 632 229 00,01,05 632 230 85 632 231 01,03,08 632 931 01 Brava,Fiorini,Palio,Siena,Strada,Tipo E80E 0,9-12 12 Volt
	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

	IKA-No.	Original	References	Unit-Nos.
	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 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

	IKA-No.	Original	References	Unit-Nos.
	7 7182 1	Melco	M649T03571 M649X02572,-03573 with 2 negative brushes complete kit with positive brushes: 7 7382 1	M3T10172,10271,10272,10372, 10473,10475,10476,10672, 10977,11173
	7 7183 1	Melco Mitsubishi Hyundai	M649T01371 M649T02271 M649T04871 MD607555 MD607926 MD618513 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 Mitsubishi	M649T05071 M648X28271 ME700127 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 Mitsubishi	M649T01271,1272,-1273 M649T06871,-09371,-09471 36169-32510 36170-32500 MD611217, MD611731, MD611918 complete with positive brush pair	M1T60081,60281 M1T70381,70481,70483,70485, 70781,70881,71381,71881, 72581,72583,-G,72681,73281, 73283,77881,78981,79081 HSP112110,112130 MG112014,MP112023 36100-32510
	7 7188 1	Melco Ford	M649T01671 M649T06971 F32Z-11061-B complete with positive brush-pair	M1T74081,74181,74281,74283, 74381,74481,74482,74581, 74583,74781,74781A,75181, 75281,75283,75381,75581, 75681,76081,76281
NEW 	**7 7188 2** Economy Line	Melco Ford	M649T01671 M649T06971 F32Z-11061-B 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 Mitsubishi Nissan	M649T04471 M649X09571 MD607420 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

	IKA-No.	Original	References	Unit-Nos.
	7 7275 1	Melco	M321X07076 complete with positive brush pair	M0T80281B,-82881,-87881 91581 DACIA
	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 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 ME700140 Kit with 4 brushes	M2T65271,65272,66272,67871,67881 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 ME700127 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 Mitsubishi Nissan	M649T04471 M649X09571 MD607420 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 with negative brushes and springs complete kit: 7 7625 1 with additional positive brushes	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.
NEW	**7 7526 2** Economy Line	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
	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 Kit	M649T04971,-04972 M649T07371 M371X07371 ME 700047, ME 700939 E5PF-11061-A E5PF-11434-AA Kit with 4 springs and 4 brushes	M3T66071-074 M3T67171,-172
	7 7628 1	Melco Honda	M321X15071	M0T20171,20871,20871ZE,20872,-ZE M0T21471,21671,30771,32171,32172, M0T35471,36071,45071ZT,45171

	IKA-No.	Original	References	Unit-Nos.
NEW	**7 7628 2** Economy Line	Melco Honda	M321X15071	M0T20171,20871,20871ZE,20872,-ZE M0T21471,21671,30771,32171,32172, M0T35471,36071,45071ZT,45171
	7 7634 1	Melco		M000T22472, -22472, -22473 M000T32271, -32272, -32571, -32771 M000T33071 M000T46171 M000T93581 12V

	IKA-No.	Original	References	Unit-Nos.
	7 7169 1	Remy	10475602 complete with 4 brushes	9000786,798,804-806,812,819-822, 9000827,834,835,844,850,853, 9000860-864,866,867,900 PG260M 12 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
	7 7263 1	Remy	10472352 w. 4 brushes 10476006 w. 2 brushes complete with 4 brushes	9000785,833,839,840,847,859, 871-873,884 21020-761,-893 21021-366 PG150, PG150S, PG260F1
	7 7264 1	Remy	10475107 complete with 4 brushes	10455503,506,515 9627548 SD80F 12 Volt
	7 7378 1	Remy	10456456 Kit with brush set RX 457-458 IKA P/N 0 1255 1	28MT 12 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7478 1	Remy	10456456 Kit with brush set RX 419-420 IKA P/N 0 1254 1	28MT 24 Volt
	7 7632 1	Melco Remy	 39MT	M9T61671,62572-ZA,64471-ZA M9T80472,80473,83671,83672, 19011501, 19011504, 19024196 24 Volt

	IKA-No.	Original	References	Unit-Nos.
	7 7146 1	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
	7 7149 1	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
	7 7150 1	Valeo	181 961 594 072 brush length 14.5 mm w/o. brushes and springs	D6RA8,10 PSX 146-147
	7 7151 1	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
	7 7152 1	Valeo	for 4 brushes w/o. brushes and springs brush set PSX 129 IKA P/N 0 1766 1	D8E... / D9E...

	IKA-No.	Original	References	Unit-Nos.
	7 7153 1	Valeo	for 2 brushes w/o. brushes and springs brush set PSX 133 IKA P/N 0 1770 1	D8E... / D9E...
	7 7157 1	Valeo	594780, 595619 691882 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	D7G20,26 D7R... D8R... TS18E33,-331 TS22E... TS24E6,-7
NEW 	**7 7157 2** Economy Line	Valeo	594780, 595619 691882 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	D7G20,26 D7R... D8R... TS18E33,-331 TS22E... TS24E6,-7
	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
	7 7159 2 Economy Line	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

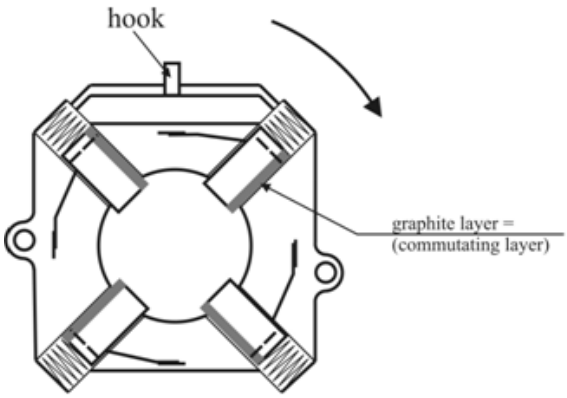
	IKA-No.	Original	References	Unit-Nos.
	7 7165 1	Valeo	555649,594381 187946 complete with 4 brushes brush set PSX 156 IKA P/N 0 1726 1	D7ES 2,4-7 SIH 12 Volt anticlock VW
	7 7601 1	Valeo	199411 brush holder with bracket with two component brushes	D6G… SIH anticlock VW
NEW	**7 7601 2** Economy Line	Valeo	199411 brush holder with bracket with two component brushes	D6G… SIH anticlock VW
	7 7603 1	Valeo	195713 brush holder with bracket with two component brushes	D6G... SH clockwise
NEW	**7 7603 2** Economy Line	Valeo	195713 brush holder with bracket with two component brushes	D6G... SH clockwise

	IKA-No.	Original	References	Unit-Nos.
	7 7604 1	Valeo	594674, 594706 194404, 195253 brush holder with bracket with two component brushes replacement for 7 7602 1	D6G... SH clockwise
NEW	**7 7604 2** Economy Line	Valeo	594674, 594706 194404, 195253 brush holder with bracket with two component brushes replacement for 7 7602 1	D6G... SH clockwise
	7 7633 1	Valeo Korea Hyundai/Kia		TM000A27301, TM000A27601 TM000A31001, TM000A37001 36100-22800 12V

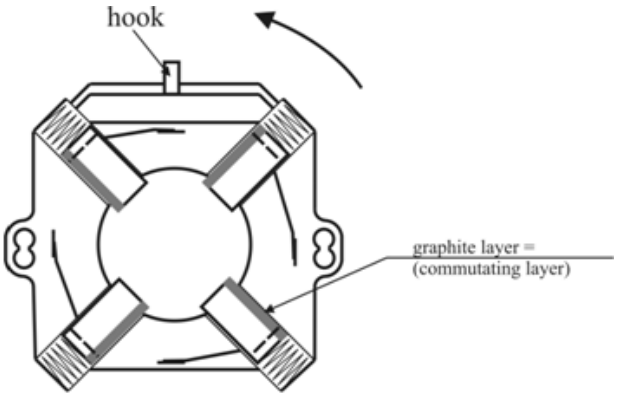
Assembly Instructions for Bosch Gear-Starter Brushes

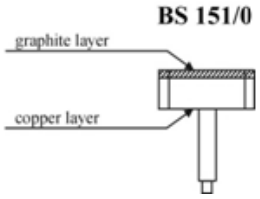
Starter-Unit EV 2,2 KW 12 Volt 0 001 218 ...

7 7130 1 clockwise rotation EV(R)



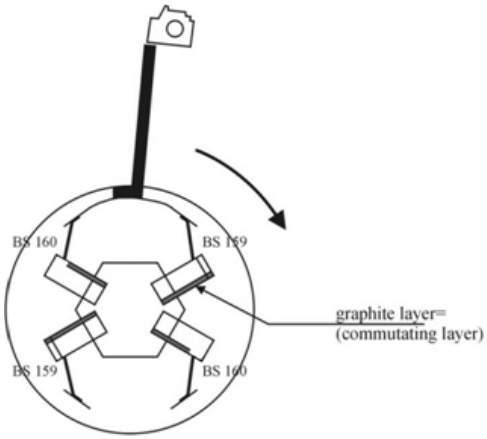
7 7133 1 anticlock rotation EV(L)



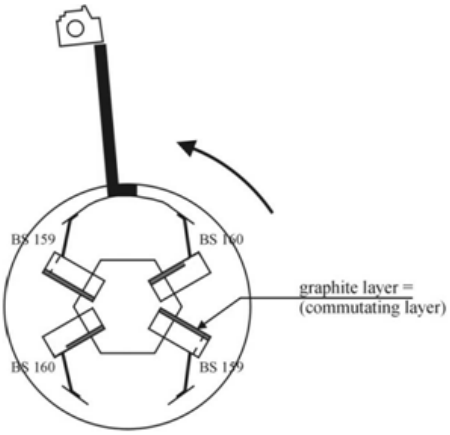


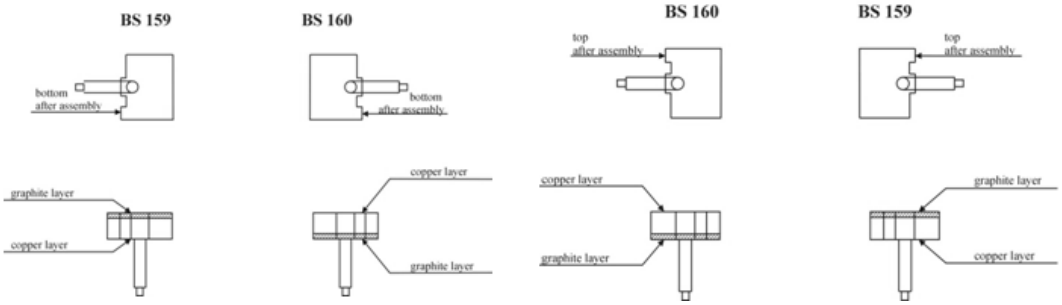
Starter-Unit DW 1,1 KW 12 Volt 0 001 108 ...

7 7124 1 clockwise rotation DW(R)



7 7128 1 anticlock rotation DW(L)

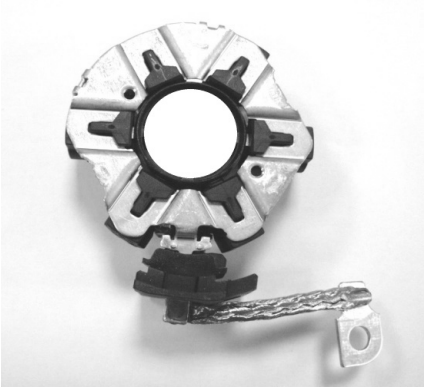




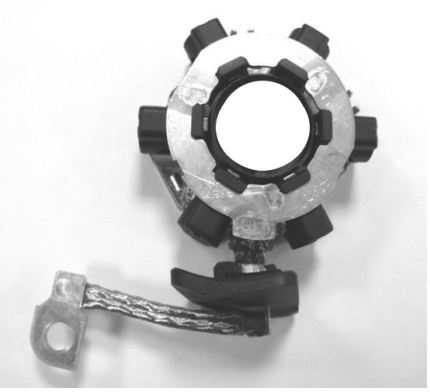
Assembly Instructions for Brush holder with 6 brushes

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

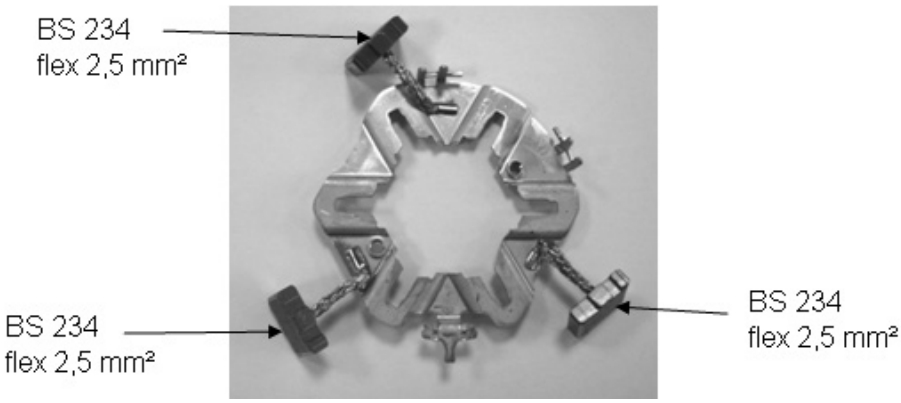
SF78-M 12V (L) VW Start/Stop Overload Protection Starters



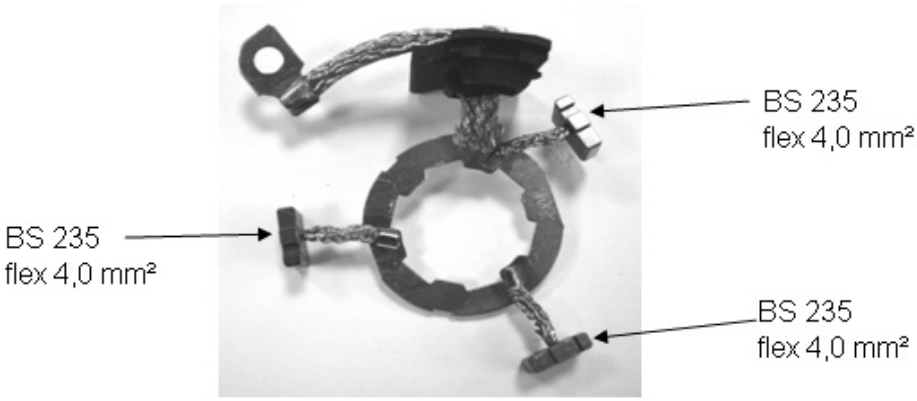
bottom



top



brush plate



brush ring

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

GE
BE

GE
BE

3

STARTERRITZEL

STARTER DRIVES

LANCEURS DE DEMARREUR

GE
BE

GE
BE

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

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5000 1	Bosch	2 006 380 558	41 x 120	0 001 401 002,044,045,046
		2 006 381 558	11 teeth	0 001 402 002,051,052,053, 057
	Femsa	3550		
	Fiat	9008738	CW	0 001 501 003,020,032
	Iskra	18 100 021		11 130 158
	Marelli	74372580,74372630		
4 5001 1	Bosch	2 006 380 010	35 x 120	0 001 401 007,025,041,049,050,051 052,061,066,074
		2 006 380 410	9 teeth	
		2 006 381 010		0 001 402 008,050,054,055,058,059, 060,061,071,075,080,081, 083
		2 006 381 410	CW	
	CAV	5549 306BJ		
	Fiat	8122125,9004794,9923779		0 001 501 001,038
	Iskra	18 100 098		
	Marelli	74372530		
4 5002 1	Bosch	2 006 209 452	14.3/40 x 91	0 001 362 302,324
		2 006 209 495	10 teeth	0 001 367 002,017,020,047,048, 051,057,066,070,071, 076,077,302
		2 006 209 532	Splines 10 E	
	DAF	067031	CW	
	Fiat	9959813		0 001 368 023,034,040,044,052, 060,066,068,070,072, 076,082,087,306,312,
	Iveco	93159768		
				0 001 369 002,012
				9 000 143 412,415,416,601
4 5003 1	Bosch	2 006 209 471	12/26 x 71	0 001 362 047,069,070,077, 078,083
			9 teeth	
	Iskra	16 900 920	Splines 10 E	11 130 300
			CW	11 130 399
	MB	A 000 151 68 13		
		000 151 68 13		
	Volvo	1257680		
	VW	069 911 335		
4 5005 1	Bosch	086 264 492	14.3/35 x 91	0 001 362 051,063,096,097,300, 306,309
		2 006 209 492	9 teeth	
		2 006 209 529	Splines 10 E	0 001 363 116
		2 006 209 530	CW	0 001 364 301
		2 006 209 536		0 001 366 018,021
		2 006 209 930		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
	Fiat	79034927,8122157,9959619		
	MB	A 001 151 00 13		
		001 151 00 13		
	Remy	190245520		
		19025715		
				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.
4 5006 1	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
4 5007 1	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
4 5008 1	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
4 5010 1	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
4 5014 1	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
4 5015 1	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.
4 5017 1	Bosch	1 006 209 584	12/26 x 54	0 001 106 012,017,022,023
		1 006 209 600	9 teeth	107 009,012,013,015
		1 006 209 686	Splines 10 E	017,018,019,025
		9 001 081 033	CW	026,034,044,045
	Fiat	9943565		056,070,071
	PSA	5835.A8		100,101
	Renault	7701049503		9 000 081 004
	VW	053 911 335 A		
4 5021 1	Bosch	1 006 209 618,638,667,	12/26 x 49	0 001 107 037,048,054,055,067
		672,677,690,	9 teeth	068,069,072,073,074
		787,937	Splines 10 E	076,094,095,096
	Fiat	9947831	CW	0 001 108 162,166,167,172,173
	Opel	90543728		174,175,178,188,189
				199,204
				0 001 109 018
				0 001 115 002,007,012,015,020,024
4 5022 1	Bosch	1 006 209 621	11/28 x 81	0 001 124 001,002,005,006
		1 006 209 648	10 teeth	0 001 125 001,002,007,008,
		1 006 209 699	Splines 16 E	011,012,013,021,
	VW	02T 911 335	AC	022,031,042,051
		047 911 335 D		
4 5024 1	Bosch	1 006 209 628	11/26 x 81	0 001 124 003,004,013,014
		1 006 209 649	9 teeth	0 001 125 005,006,009,035
		1 006 209 758	Splines 16 E	
	VW	047 911 335 F	AC	
4 5025 1	Bosch	1 006 209 624,633,692,	12/26 x 47	0 001 106 011,014,015
		696,706,715,	9 teeth	0 001 107, 047,063,077
		944	Splines 10 E	091,097
	Fiat	9948703	CW	0 001 108 171,176,184
				0 001 112 035,041
				0 001 116 003
4 5031 1	Bosch	1 006 209 645	12/29 x 49	0 001 109 025,030,033,035,045
		1 006 209 802	9 teeth	200,201,253,267-270
		1 006 209 950	Splines 10 E	
	Fiat	9947843	CW	

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5032 1	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
4 5033 1	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
4 5035 1	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
4 5036 1	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
4 5038 1	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
4 5039 1	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.
4 5040 1	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
4 5042 1	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
4 5046 1	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
4 5047 1	Bosch	1 006 209 804	11/27 x 48 10 teeth Splines 16 E CW	0 001 107 407,410 417,418
4 5048 1	Bosch	1 006 209 812	11/28 x 48 10 teeth Splines 16 E CW	0 001 108 400
4 5051 1	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.
4 5057 1	Bosch MB	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
4 5058 1	Bosch Fiat Iveco	2 006 209 470 2 006 209 483 9 001 451 343 79026090,9936730,9937949 9956676,9983629 79026090	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
4 5059 1	Bosch Fiat Remy Volvo	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
4 5061 1	Bosch

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 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
4 5090 1	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

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5105 1	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
4 5107 1	Bosch	6 033 AD 115 6 033 AD4 001	14.3/36 x 82 11 teeth Splines 10 E CW	0 001 231 006
4 5114 1	Bosch	2 006 209 465	14.3/36 x 74 11 teeth Splines 10 E CW	0 001 362 700
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
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
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

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
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
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
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
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
4 5156 1	Bosch	1 006 209 436	12/34 x 64 9 teeth Splines 10 E CW	0 001 314 017

IKA-No.	Original	References	Dimensions	Unit-Nos.
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,
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
4 5166 1	Bosch	1 006 209 642	12/28 x 49 10 teeth Splines 10 E CW	0 001 109 014
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
4 5173 1	Bosch Fiat	1 006 209 425 9001082324 9001082748 F 000 AL1 001 7073094 9932923	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
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

IKA-No.	Original	References	Dimensions	Unit-Nos.
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 Splinnes 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
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
4 5179 1	Bosch	6 033 AD0 422	12/35 x 58 9 teeth Splines 10 E CW	0 001 218 818
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, 008, 009 0 001 115 035 0 001 316 006 9 000 694 008
NEW **4 5188 1**	Bosch Remy Marelli/Fiat MB VAG	2 006 209 406, 421, 422, 436, 446 9 001 083 406, 436 9 002 453 073 19024517 79028900, 79028909, 8122129 9008243, 9926112, 9957919 000 151 7013 04053926	14.3/35 x 91 9 teeth Splines 10 E CW	0 001 354 084 0 001 359 031, 055, 057, 062, 071, 072, 073, 074, 077, 083, 084 0 001 359 087, 089, 091
NEW **4 5189 1**	Bosch Fiat	2 006 209 240, 330, 418, 448 79026236, 8997796, 9934739 9957820	14.3/35 x 75 9 teeth Splines 10 E CW	0 001 362 031, 032, 101 4691200

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 5190 1	Bosch Remy	2 006 209 531, 537, 933 19070161	14.3/41 x 91 11 teeth Splines 10 E CW	0 001 364 203, 204, 206, 300 0 001 368 037, 056, 305, 310
NEW 4 5192 1	Bosch PSA	1 006 209 541, 571 583589	12/30 x 58 11 teeth Splines 10 E CW	0 001 110 017, 056, 999 F 010 AL0 101
NEW 4 5195 1	Bosch	2 006 202 010, 011 2 008 109 203 F 000 AL1 898	16/42 x 118 11 teeth Splines 19 R CW	0 001 370 003, 004 0 001 371 004, 005, 006, 007, 008, 009, 010, 013, 015, 016, 019 0 001 372 001, 002, 003, 004, 005, 006, 007, 008
NEW 4 5198 1		1 006 209 680, 962 F 000 AL1 100	11/28 x 81 10 teeth Splines E AC	0 001 121 008, 009, 016, 017, 018, 019, 024, 025, 026 0 001 123 012, 013, 018, 026
NEW 4 5199 1	Bosch	9 002 336 219, 238, 289 9 003 336 289	12/35 x 62 9 teeth Splines 10 E CW	0 001 218 118, 176, 776 0 001 219 014 9 000 331 201, 203, 415
NEW 4 5202 1	Bosch	1 006 209 637	12/28 x 56 10 teeth Splines 10 E CW	0 001 109 015, 052, 055, 062, 068

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 5203 1	Bosch Volvo	6 033 AD0 242, 304, 467 85103855	14.3/41 x 82 11 teeth Splines 10 E CW	0 001 231 007, 014, 030, 034 0 001 260 025
NEW 4 5208 1	Bosch MAN	6 033 AD0 243, 306 51 26201 7158, 7212 51 26213 0003	14.3/37.8 x 84 10 teeth Splines 10 E CW	0 001 231 008, 029, 035
NEW 4 5209 1	Bosch MAN Fendt	2 006 209 498, 533, 539, 932 81 26213 6004 F 824 900 060 100	14.3/37.8 x 91 10 teeth Splines 10 E CW	0 001 366 019 0 001 368 043
NEW 4 5210 1	Bosch MB	1 006 209 845 006 151 25 01	12/47.5 x 51.5 12 teeth Splines 10 E CW	0 001 115 174

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5091 1	Denso Toyota	 2802173020	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
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 ...
4 5123 1	Denso		11/30 x 53 11 teeth Splines 10 W CW	228000-7791
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
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

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
4 5168 1	Denso	NIP020CU	 CW	
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
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
NEW **4 5193 1**	Denso Toyota	028300-6070 028300-6960 28011-70020	11/30 x 53 9 teeth Splines 10 E CW	128000-5211, -5680, -6340, -6720, -7400, -8530, -8531, -8890 128000-8891, -9290, -9291 228000-0940, -0941, -2900, -4020, -5400, -5910, -5911, -6740 228000-6740, -6750, 6760
NEW **4 5201 1**	Denso Toyota	028300-1970, -4011, -4081, -4082 28011-64010, -64030, -67030	38 x 102 10 teeth CW	028000-8451 128000-0930, -5350, -8980, -9550 228000-0200, -0460, -0880, -1850, -3640, -3680, -4980, -5020 228000-5021, -5022, 5023 428000-2321 28100-0L030 28100-67050

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 5204 1	Denso	028099-3130 028300-2081, -2220, -3980	53.8 x 64	028000-7373, -8760, -8762 128000-0362, -7353, -8142, -8152, -9592 228000-0400, -0640, -1300
	Toyota		AC	28100-54100, -54170

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
4 5121 1	Ford-Visteon		12/27 x 46 10 teeth Splines 12 E CW	98AB11000CB YS4U11000AA YS4U11000AB
4 5122 1	Ford-Visteon			1S7U11000BA, 1S7U11000BB, 1S7U11000BC 2S7T11000DA, 97CA11000AB, XS7U11000AB XS7U11000BA, YC1U11000AA, YC1U11000AB YC1U11000AE
4 5164 1	Ford-Visteon	53R211350A F3RZ11350A F5RU11350RA	12/27 x 46 10 teeth Splines 12 E CW	1S4U11000AA, 2T1411000CC, 93BB11000HB 93BB11000JB, 96BB11000AA, 97BB11000BB 97BB11000BC, 98AB11000AD, F3RZ11002B

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5013 1	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
4 5111 1	Hitachi	2250-45006	64/40 x 132 11 teeth AC	S25-505, -A, -C, -E, -F, -G
4 5112 1	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
4 5124 1	Hitachi Fiat		12.5/28 x 38 10 teeth Splines 10 E CW	S114-905, S114-906, S114-907 55193356
4 5125 1	Hitachi Nissan	2130-15005 2130-15505 2130-95007 23312-43G00	36 x 94 9 teeth CW	S13-106 S13-106B S13-126
4 5167 1	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.
4 5180 1	Iskra	16 900 117	14.3/35 x 82	11 130 026
			9 teeth	11 130 141
			Splines 10 E	11 130 151
			CW	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
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
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
4 5161 1	Lucas Marelli	54268141 54294922 TNB108 54268141 54294922 85541454 85541479	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

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5018 1	Fiat Marelli	9945556 85540971 85541780	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
4 5029 1	Marelli	85540831 85541050	12/28 x 53 10 teeth Splines 10 E CW	63223433
4 5079 1	Fiat Marelli	9941306 85540411	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
4 5080 1	Fiat Marelli	4059392 4061018 74868261	12/27 x 64 8 teeth Splines 2 R AC	4050812, 4060912, -919 4060920, 4126193 63220101, -106, -402, -403 63220432, -433
4 5093 1	Marelli	83226407 85541300	12/35 x 50 11 teeth Splines 10 E CW	428000-0660 63113001, -3002 63193001 63280071
4 5094 1	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

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5104 1	Marelli		12/40.5 x 73 10 teeth Splines 10 E CW	63280040, 63280041
4 5117 1	Marelli	85541390	11/26 x 58 9 teeth Splines 12 E CW	63101007 63191007
4 5126 1	Fiat Marelli	9948135 83226569 85541700	12/35 x 64 9 teeth Splines 10 E CW	131955508 63114014
4 5128 1	Marelli Fiat	74893901 9939915	11.5/26 x 64 9 teeth Splines 12 E CW	
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
4 5132 1	Marelli FIAT	 79023774 9000862, 9927793, 9929081 9936772, 9957707, 9986112	14.3/35 x 77 9 teeth Splines 12 E CW	63216703, 63216707, 63216725, 63216726, 63216727, 63216740 .. 4692477, 4699704, 4699705, 4701920, 4702248, 4706008 4706931, 4710224, 4711699, 4713805, 4713806, 4713807 4737754, 473775, 4737756, 4741699, 4745849, 4745930 ..

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5138 1	Marelli	85541270	12/29 x 50 9 teeth Splines 10 E CW	63111005, 63111007 63223537, 63223730
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
4 5147 1	Marelli Denso		12/36 x 51 9 teeth Splines 10 E CW	428000-0720
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
4 5165 1	Marelli	83227285	12/30 x 50 11 teeth Splines 10 E CW	63112003 63113003 63113004
4 5186 1	Marelli	85553621	11/30 x 53 11 teeth Splines 10 E CW	428000-1640 63280091

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW **4 5196 1**	Marelli	85540881 85541030	12/29 x 52 9 teeth Splines 10 E CW	63111000 63223435 63223639
NEW **4 5197 1**	Marelli	85541280	11.5/23 x 64 8 teeth Splines 12 E CW	63101015, 63101018, 63101021, 63101023, 63102018, 6312020 63102021, 63102022, 63103007, 63103008, 63103015, 63103022 63103023, 63103024

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5009 1	Melco Mando Melroe Mazda	M191T22771 1D30 2128 6D19 E356 18 X45	12/28 x 55 8 teeth Splines 8 E CW	M3T21882 M3T22581 M3T30881 M3T33981 E365 18 400B
4 5016 1	Melco Mitsubishi Nissan Mazda	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
4 5019 1	Melco Mitsubishi	M191T13671 M191T14671 M357X91372	12/32 x 51 12 teeth Splines 8 E CW	M1T80081 M1T90281
4 5028 1	Melco Mitsubishi	M191T15071 M191X68071 MD618963	13/33 x 51 10 teeth Splines 8 E CW	M2T80582 M2T84071 M2T84171 M2T87171
4 5030 1	Melco	M191X67771 M191X67871 M191X68671	14.8/19.9 x 110 20 teeth Splines 5 E CW	M8T50071 M8T50171 M8T75171 M8T80071
4 5034 1	Melco Mitsubishi	M191T68471 M191X68471 MD619204	13/38 x 51 12 teeth Splines 8 E CW	M2T87971 M2T88071

IKA-No.	Original	References	Dimensions	Unit-Nos.
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 5087 1	Melco	M191T15871	12/28 x 37 8 teeth Splines 8 E CW	M0T20471, -72 M0T30672 M0T30771 M0T35171 M0T36071
4 5098 1	Melco	M191X94271	14.8/19.9 x 92 20 teeth Splines 5 E CW	M8T75071
4 5110 1	Melco	M191X94471	20/62 x 111 20 teeth Splines 5 E CW	M8T62471
4 5119 1	Melco	M191T68771 M191X68171 M191X68785	14.8/18.6 x 91 20 teeth Splines 5 E CW	M8T70071 M8T78611

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5142 1	Melco	M191T68971	13/36 x 51 9 teeth Splines 8 E CW	M2T87671
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
	Mazda	808824722 H83318X45		M3T29681, M3T30088, M3T30281, M3T30285, M3T30286 M3T30382, M3T30782, M3T32382, M3T32681, M3T33582
	Mitsubishi Nissan	MD607283, MD608273 23312-Y0511		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
4 5169 1	Melco	M191T40971	12/32 x 51 10 teeth Splines 8 E CW	M1T30171
NEW **4 5207 1**	Melco	M191T94071	19/25 x 133.5 26 teeth Splines 6 E CW	M009T62571 M009T625727 M9T61671

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5037 1	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
4 5049 1	Remy Daewoo	1055503 3120A78B00	12/28 x 45 8 teeth Splines 12 E CW	96275481 31100A78B00
4 5074 1	Remy Fiat Iveco	10510651	12/36 x 61 9 teeth Splines 6E CW	8000032 134705880 55195967
4 5184 1	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 11 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.
4 5068 1	Valeo	191769	11/24 x 41 8 teeth Splines 5 E CW	TS10E4 TS10E5
4 5071 1	Valeo	192929 594631	12/29 x 46 11 teeth Splines 10 E CW	D7G3 TS18E13
4 5076 1	Valeo Mitsubishi	187077 594247 NE879 MD620980	12/28 x 51 8 teeth Splines 5 E CW	D6RA76, D6RA77, D6RA78, D6RA79
4 5088 1	Valeo Nissan	193013 594747 23354-JG70A	12/32 x 45 10 teeth Splines 8 E CW	TS22E5 TS22E5B 23300-00Q0D 23300-3400A9 23300-JG70A
4 5096 1	Valeo	191548 594665	12/29 x 82 10teeth Splines 10 E AC	D6GS11, D6GS11M D6GS13, D6GS13M
4 5099 1	Valeo	188270 594389 594699	12/29 x 91 11 teeth Splines 9 E AC	D7RS29, D7RS30, D7RS129, D7RS130, D7RS131, D7RS291, D7RS301

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 5102 1	Valeo	594030 594033	12/27 x 56 9 teeth Splines 9 E AC	D6RA15 D6RA7
4 5108 1	Valeo	194440 194480 594734	11/27 x 44 8 teeth Splines 5 E CW	TS10E1, TS10E11
4 5120 1	Valeo	190694 191775 594451	11/27 x 44 8 teeth Splines 10 E CW	D7E29, D7E30, D7E31
4 5136 1	Valeo	589074, 101598 079333, 092718, 094635	16/46 x 150 12 teeth Splines 6 R CW	D13E107TE D13E109TE D13E110TE D13E77, D13E86TE, D13E87TE D13E94TE, D13E96TE
4 5137 1	Valeo	184795 594034 NE817	12/30 x 66 9 teeth Splines 9 E AC	D6RA17, D6RA19, D6RA27 D6RA29, D6RA34, D6RA50 D6RA54, D6RA60
4 5154 1	Valeo	191362 594635 594657	12/33 x 45 10 teeth Splines 10 E CW	D7G11, D7G11(B)

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
4 5171 1	Valeo	192125 594696	11/27 x 41 8 teeth Splines 10 E CW	D7E40 D7E41 D7E42
4 5182 1	Valeo	594726 193512	11/26 x 41 9 teeth Splines 5 E CW	TS8E2 TS8E6
NEW **4 5191 1**	Valeo	186867, 186938, 187960, 188887 594214 NE875	12/26 x 51 9 teeth Splines 5 E CW	D6RA137, 138, 141, 185, 187, 511 D6RA53, 571, 572 D6RA63, 661, 721 D6RA85
NEW **4 5194 1**	Valeo	18205, 182848, 187788, 190205 494829, 594345	11/24 x 44 8 teeth Splines 10 E CW	D7E4, 6, 8, 15, 18, 28,
NEW **4 5200 1**	Valeo	1852990, 188256 594136, 594368 NE831	12/28 x 54 10 teeth Splines 9 E CW	D7R1, 2, 3, 4, 11, 15, 33, 64, 151

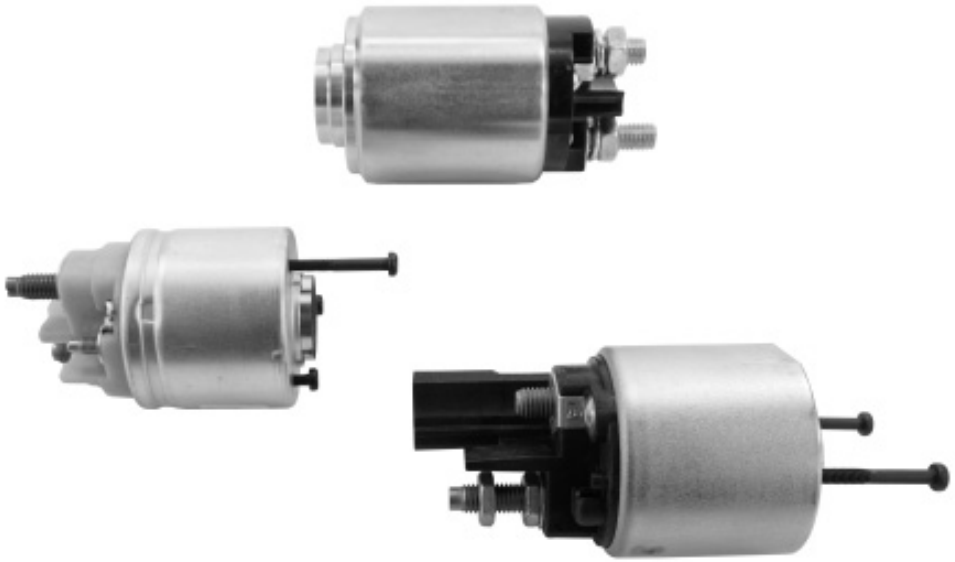
IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 5205 1	Valeo Renault / Dacia Ford Melco Remy	195041, 195334 438224, 458388	12/28.15 x 45.5 10 teeth Splines 10 E CW	TS12E9, TS12E10 7711497567, 8200306595, 8200836473 8V2111000BC, BD, BE M000T87881 DRS3985
NEW 4 5206 1	Valeo	188595 191448 594382	12/30 x 51 11 teeth Splines 5 E CW	D6RA101, 104, 105, 110, 115

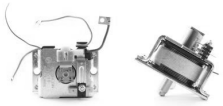
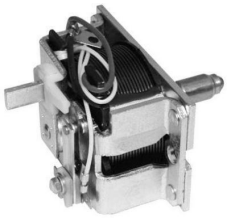
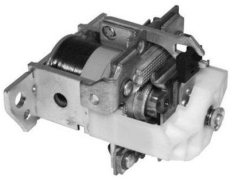
4

MAGNETSCHALTER

SOLENOIDS

INTERRUPTEUR MAGNÉTIQUE



IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW **4 3470 1** 	Bosch	0 331 450 002	Relais KB starter	0 001 410/411/414/415/416/417 9 000 084 ...
NEW **4 3471 1**	Bosch	0 331 101 005	Relais KB starter	0 001 410/411/414/415/416/417 9 000 084 ...
4 6035 1 	Bosch	0 331 450 001	Relais KB Starter	0 001 410 …,411 …, 0 001 414 …,415 …, 0 001 416 …,417 … 9 000 084 ...
4 6054 1 	Bosch	0 331 101 006	Relais KB Starter	0 001 410 …,411 …, 0 001 414 …,415 …, 0 001 416 …,417 … 9 000 084 …
4 6106 9	Bosch MB	0 331 402 077 0 331 401 008, 009 0 001 528 510	M10/M10/M4 hole 12V	0 001 354 091
4 6107 9	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.
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
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
4 6112 9	Bosch	0 331 400 014, 016, 017, 022 0 331 401 007, 507 29.01.20	M10/M10/M4 hole 12V	0 001 358 017, 018, 020, 028, 032, 033, 046
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
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
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.
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
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
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
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
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
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.
4 6128 9	Bosch	0 331 303 057, 104	M8/M8 male 12V	0 001 212 213, 214, 402, 403
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
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
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
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
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.
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
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
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
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
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
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.
4 6158 9	Bosch Marelli FIAT	1 987 BE2 016 9948651	M8/M8/M6 post 12V	 631 010 04, 631 020 14 46465475, 46758241

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

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

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

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

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.
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
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
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
4 6181 9	Bosch	0 331 402 089	M8/M10/M4 male 24V	0 001 368 034, 065
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
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.
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
4 6189 9	Bosch	9 330 331 006	M8/M8 male 12V	0 001 218 168 9 000 331 432, 433
4 6190 9	Bosch	0 331 303 165	M8/M8 male 12V	0 001 218 152
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
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
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.
4 6205 9	Bosch	F 000 SH0 110	M8/M8 male 12V	F 000 AL0 307
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
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
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
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 12V	0 001 211 221, 222, 992, 993, 997, 998 9 000 082 009, 031
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.
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
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
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
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
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
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.
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
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
4 6223 9	Bosch FIAT Iveco	6 033 AD0 312	M8/M8/M6 post 12V	0 001 223 013 1329201080, 46758240 8029647
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
NEW **4 6229 9**	Bosch Remy	0 331 100 016 0 331 101 006 0 331 101 009 1 987 AN0 006 19024320	24V	0 001 410 021, 041, 089 0 001 416 002, 078, 079 0 001 417 001, 064, 078 9 000 084 008, 010, 012, 014, 015, 018, 019, 021-024, 026 9 000 410 021, 036, 041
NEW **4 6230 9**	Bosch Remy Volvo	0 331 450 001 0 331 450 004 1 987 AN0 001 2 007 022 001 2 339 450 012, 014 19024324 3099721	24V	0 001 410 021, 041, 046, 065, 089 0 001 411 025 0 001 416 002, 005, 009, 061, 078, 079 0 001 417 001, 005, 036, 042, 055, 064, 065, 068, 075 0 001 417 076, 078 9 000 084 007, 008, 009, 010, 012, 014, 015, 018, 019, 021 9 000 084 022, 024, 026 9 000 410 021, 041, 089 1547049, 1556955 3064839, 3095060

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6231 9	Bosch Remy FIAT	0 331 100 009, 019, 021, 025 0 331 101 005, 008, 016 19024321 19024427 9920699	24V	0 001 410 019, 022, 024, 037, 049, 050, 068, 069, 075, 077, 078 0 001 410 083, 087, 092, 101, 104, 109 0 001 411 022 0 001 416 010 0 001 417 037, 065, 067, 069, 075, 076 9 000 084 011, 013, 016, 020, 025
NEW 4 6232 9	Bosch Remy Volvo	0 331 450 002 2 339 450 013 19024325	24V	0 001 410 019, 022, 024, 037, 049, 050, 068, 069, 075, 077 0 001 410 078, 083, 087, 092, 101, 104, 109, 113, 117 0 001 411 022 0 001 416 010, 071 0 001 417 023, 037, 047, 065, 067, 069 9 000 084 011, 013, 016, 020, 025 19070001, 19070004 881684
NEW 4 6233 9	Bosch Fiat MB	2 339 305 017 2 339 305 048 2 339 305 100 F 000 SH1 189 77362580	M8/M8/M6 post 12V	0 001 108 420, 421, 450 0 001 115 025, 079 F 000 AL0 901 F 000 AL0 903 787 218 A152 A 906 906 00 26
NEW 4 6234 9	Bosch BMW	2 339 305 009	M8/M8 plug 12V	0 001 138 058 763819402
NEW 4 6238 9		594309	M8/M8/M5 post 12V	187031 438012, 455735 D7R14
NEW 4 6242 9	Bosch Ford	2 339 402 115	M8/M10 male 12V	0 001 369 023 0 001 369 201 82005342 82013922

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6244 9	Bosch PSA	2 339 303 311	M8/M8 male 12V	0 001 108 182 96325689 7700106763
NEW 4 6245 9	Bosch Remy	F 042 010 577 10511409	M12/M12/M5 post external connection 24V	10461754, 10461756, 10461758, 10461759 19011507, 19011509, 19011511, 19011512, 19011522 19011523, 19011524, 19011527 8200027, 8200032, 8200034, 8200039, 8200041, 8200043 8200044, 8200047 8300014, 8300016, 8300018
NEW 4 6252 9	Bosch	0 331 302 060 0 331 302 560 2 008 302 004	M8/M8/M4 male 12V	0 001 311 035, 050, 051, 052, 054, 055, 056 0 001 314 003, 008, 009, 010, 011, 016, 017, 024, 031 0 001 315 002
NEW 4 6253 9	Bosch Mitsubishi	1 987 BE2 023 7125B4175 B4175, B5871 M371CB5871	M10/M10/M5 hole 24V	20430564 M008T62671, M009T61171, M9T60371, M9T60671, M9T61171, M9T62173
NEW 4 6254 9	Bosch FIAT Ford PSA	2 339 305 051 77364101	M8/M8/M6 post 12V	0 001 109 205 0 001 115 088, 092 96681447 1385378, 6C1T 1000 AB, 6C1T 1000 AC 5802 AS
NEW 4 6257 9	Bosch FIAT PSA	2 339 304 011 9949390	M8/M8/M5 post 12V	0 001 107 063, 0 001 108 176, 0 001 109 026 9603503580, 9615519880, 9624291380, 9629473280 5802E5 96035035, 96054384, 96147592, 96155198, 96343143

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6258 9	Bosch PSA	2 339 304 008 583669	M8/M8/M5 post 12V	0 001 108 162, 0 001 112 041, 0 001 116 003 F 000 AL0 315, F 000 AL0 327 5802 M9 96087193, 96093132, 96288707, 97530824
NEW 4 6261 9	Bosch Ford VAG	F 042 010 087 B6AZ 11450 A BD7T 11450 A C7AF 11450 A D2DZ 11450 A D9AZ 11450 A TD2 911 251A	M8/M8/M5/M5 12V	
NEW 4 6265 9	Bosch	2 339 303 318	M8/M8/M5 post 12V	0 001 107 010, 038 0 001 109 015 0 001 112 017
NEW 4 6271 9	Bosch Porsche	0 331 303 118, 133, 618, 633 2 339 303 271, 272, 396	M8/M8/M6 post 12V	0 001 110 040, 047, 059 0 001 115 011, 013 911 604 102 01 964 604 104 00 965 604 104 00 966 604 104 00
NEW 4 6272 9	Bosch	0 331 401 011, 026, 035 0 331 402 016	M10/M10/M4 hole 12V	0 001 362 003, 019, 027, 029, 030
NEW 4 6273 9	Bosch BMW	0 331 303 102, 105, 116, 117 0 331 303 616, 617 2 339 303 244, 246	M8/M8/M6 post M5 post 12V	0 001 108 018, 042, 054, 063, 064, 065, 115, 145 0 001 110 010, 041, 110 0 001 218 027, 028, 134, 135, 136 0 001 311 150, 151 0 001 314 043, 045

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6274 9	Bosch FIAT	2 339 303 227 F 000 SH0 123	M8/M8/M6 post 12V	0 001 109 018, 048 46430721 46437520
NEW 4 6277 9	Bosch	0 331 302 062 9 330 081 022 9 330 081 024	M8/M8 male / male 12V	0 001 208 202 0 001 211 200, 201, 241 9 000 082 017, 024
NEW 4 6278 9	Bosch MB	2 339 305 013	M8/M8/M6 post 12V	0 001 107 406 0 001 109 250 A 005 151 3901 A 005 151 6601
NEW 4 6279 9	Isuzu Opel		M8/M8/M4 hole 12V	S114-829, 829B 8-97189-118-1 6202000
NEW 4 6282 9	DAF	2 339 402 225 1686580	M10/M10/M6 hole 24V	0 001 241 006, 015, 020 1667425, 1688625, 1739935
NEW 4 6283 9	Bosch	0 331 303 003, 007, 010, 015 0 331 303 040, 503 9 330 081 039, 055 9 33A 081 039	M8/M8/M4 hole M5 hole 12V	0 001 208 200, 201, 208 0 001 211 213, 214, 216, 217, 218, 219 0 001 311 118, 122, 136, 137 0 001 314 002, 018, 033 F 000 AL0 313

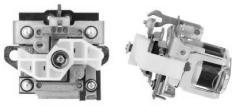
IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6284 9	Bosch VAG	0 331 303 002, 013, 021, 029, 041 0 331 303 059, 068, 070, 071 0 331 303 112, 502 2 339 303 232 9 330 081 040 026 911 287	M8/M8/ male / male 12V	0 001 107 003, 007 0 001 108 001, 005, 014, 047, 048, 076, 094, 101, 102, 136 0 001 110 001, 002, 014, 015, 029, 030, 031, 033, 042, 061, 063 0 001 110 100, 101 0 001 112 003, 008 0 001 114 003, 004, 006, 009, 015, 016, 024 0 001 124 005, 006 0 001 208 411, 412, 414, 419, 516, 707, 714, 719 0 001 211 207, 223, 224, 233, 234, 235, 236 02B 911 023 D
NEW 4 6291 9	Honda	F 042 010 381 31210-P2A-004 31210-P2C-004 31210-P2C-J61 31210-P2J-J61 31210-P8A-A01	M8/M8 male 12V	31200-P27-J01, 31200-P2A-004, 31200-P2A-004 31200-P2A-014, 31200-P2C-004, 31200-P2M-A61 31200-P2M-J61, 31200-P2T-J01, 31200-P5M-902
NEW 4 6293 9	Bosch	0 331 302 024, 032, 074, 524	M8/M8/ male 12V	0 001 212 005, 007, 012, 208
NEW 4 6294 9	Bosch Scania Volvo	0 331 402 005, 208 387478 11992387	M10/M10/M4 hole 24V	0 001 360 023, 025, 036, 038, 040, 049 0 001 368 018, 030, 041, 071, 303, 316 1404788, 369556 243007
NEW 4 6296 9	Denso Motorcraft Mazda Suzuki Toyota	1 987 001 000 053400-1040, 1260, 1530, 2880 053400-3330, 3350, 3710, 3810 SWE-1136, 1450, 1999 0221-23-764, 0578-23-764 31220-63210, 73010, 74010 28150-22011, 24061, 24070, 27071 28150-25010, 25013, 33020, 33021	M8/M8 male 12V	028000-1013, 1850, 1973, 1975, 2001, 2150, 2151, 2161, 2260 028000-2262, 2263, 2571, 2572, 2660, 2681, 2933, 2970, 3240 028000-3241, 4050, 4490, 4500, 4680, 5070, 6220
NEW 4 6297 9	Iveco	2 339 402 140 9971828	M10/M10 male 12V	0 001 223 504 0 001 230 023, 026 0 001 362 105 500333269, 500338953, 504059251

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6298 9		0 331 303 086, 137, 208 2 339 303 208, 364	M8/M8/M5 post 12V	0 001 108 084, 103, 104, 105, 134, 135, 995, 996, 997 0 001 112 009, 012 0 001 208 232
NEW 4 6299 9	Bosch VAG	2 339 303 254, 411, 438 058 811 287 058 911 287	M8/M8/ male / male 12V	0 001 107 054, 055, 068, 069 026 911 023 F 053 911 023 A 058 911 023 B
NEW 4 6300 9	Hitachi Honda Nissan	1 987 001 012 2114-57001 31204-634-005 23343-N3300, N3301	M8/M8 male 12V	S108-85, 86, 91 S114-170B, 180, 254A
NEW 4 6307 9	Bosch MB	0 331 303 151 001 152 00 10	M8/M8/M6 post 12V	0 001 218 740
NEW 4 6308 9	Melco Mazda Nissan	F 042 010 423 M371X64271, M371X64273 M371X64471, M371X74471 N326-18-X10 23343-M8210	M8/M8 male 12V	M1T70781, M1T70881, M1T71381, M1T71781 M1T74181, M3T27781
NEW 4 6314 9	Bosch BMW VAG	2 339 305 005, 024, 052, 074 020 911 287 A	M8/M8 plug conn. 12V	0 001 107 423, 424 0 001 120 400, 401, 402, 403 7 521 123 04 020 911 023 T, 02T 911 023 G

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6315 9	GM	0 331 303 100, 124, 125, 624 9 330 081 066 9 33A 081 066 90349451, 93240222	M8/M8/M6 post 12V	0 001 107 015, 044 0 001 108 053, 079, 093, 150, 177 0 001 110 124, 125 90341777, 90444193, 90458462, 93237478
NEW 4 6316 9	Bosch	0 331 303 062 0 331 303 562	M8/M8/ male 12V	0 001 108 143 0 001 110 003, 026, 089 0 001 208 100, 517, 528
NEW 4 6317 9	Bosch	0 331 303 145, 229 2 339 303 229, 248, 291, 324, 407	M8/M8 male 12V	0 001 108 113, 114, 174, 175, 220, 221 0 001 110 122, 123, 128
NEW 4 6327 9	Bosch	0 331 303 144	M8/M8/M6 post 12V	0 001 218 159
NEW 4 6328 9	Bosch	2 339 304 015 2 339 304 047 2 339 304 050	M8/M8/M6 post 12V	0 001 107 043, 087, 407, 410, 417, 418 0 001 108 408 0 001 109 204
NEW 4 6329 9	Bosch Ford Scania	6 033 AD6 153 6 033 AD5 138, 206 1 337 210 745	M6/M6/M4 post M4 post 24V	0 001 241 001, 003, 007, 014, 019 0 001 261 002, 026 F 002 G20 904 BC45-11001-BA 1447911

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6332 9	Bosch Remy MB	0 331 402 013 0 331 402 513 19024453 A 000 152 32 10	M10/M10/M6 hole 12V	0 001 359 043, 084, 111 0 001 367 034, 039, 042, 059
NEW 4 6338 9		F 000 SH0 125 F 000 SH0 131 F 00A SH0 131	M8/M8/M5 post 12V	0 001 112 041 F 000 AL0 315
NEW 4 6340 9	Bosch	0 331 303 094 2 339 303 232 9 330 081 050 9 33A 081 050	M8/M8/ male / male 12V	0 001 108 072 0 001 112 005 0 001 114 003, 005, 015 9 000 081 001, 002
NEW 4 6344 9	Bosch Volvo	9 330 331 012 9162928	M8/M8/ male 12V	0 001 218 173
NEW 4 6345 9		9 330 081 034	M8/M8/ male 12V	
NEW 4 6347 9		0 331 401 038 0 331 401 045	M10/M10/M4 hole 12V	0 001 358 049, 201 0 001 359 072, 073, 081, 082, 099, 100, 106, 108, 119 0 001 362 015, 025, 036, 058, 063, 074, 300, 306, 310 0 001 366 001, 002, 003, 009 012, 013, 014, 016, 017, 018, 020 0 001 366 024, 027, 028, 029 0 001 367 001, 004, 005, 007, 009, 010, 013, 023

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6349 9	Bosch	0 331 303 066 2 339 303 239 9 330 081 062 9 33A 081 062	M8/M8/ male 12V	0 001 110 017, 999 0 001 208 507, 516, 707 0 001 507 707 9 000 082 062
NEW	4 6353 9	Bosch BMW	0 331 303 146 2 339 303 245	M8/M8/M6 post M5 post 12V	0 001 110 071, 072 12 41 1 729 981 12 41 1 729 982
NEW	4 6358 9	Bosch	0 331 402 021 0 331 402 055	M10/M10/M4 hole 24V	0 001 364 102, 200, 203
NEW	4 6375 9	Bosch Ford	0 331 402 106 0 331 402 606	M8/M10 M4 hole / M6 hole 12V	0 001 369 015, 021, 200 FONN-11000-CA
NEW	4 6378 9	Bosch MB	2 339 303 267 001 152 2810	M8/M8/M6 post 12V	0 001 107 102 0 001 108 197, 205 0 001 115 005 005 151 6501 112 151 0001
NEW	4 6384 9	Bosch	0 331 302 058 2 008 302 003	M8/M8/M4 hole M5 hole 12V	0 001 208 227 0 001 312 102, 110

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6385 9	Bosch Scania	2 339 403 007 1405978	M12/M12 post 24V	0 001 371 005, 007, 009, 012 1358639, 1358640, 1386807 005 151 18 01
NEW 4 6397 9	Bosch	0 331 302 097	M8/M8 12V	0 001 312 100
NEW 4 6398 9	Bosch	0 331 302 001, 002, 004, 005	M8/M8/ Male 6V	0 001 207 016, 017, 018, 019 0 001 209 001, 006, 014 0 001 310 005, 008, 023
NEW 4 6403 9	Bosch MB	0 331 303 096 2 339 303 276 000 152 91110	M8/M8/M5 hole 24V	0 001 111 001, 005 0 001 219 001, 010, 014 9 000 332 401, 402 003 151 9401
NEW 4 6418 9		0 331 402 011	M10/M10/M4 hole 12V	0 001 365 004, 005, 006, 007, 008
NEW 4 6419 9 	Bosch Volvo	0 331 101 011	wire 12V	0 001 413 001, 003, 006, 007, 008, 009, 010, 012, 013, 014 0 001 413 017, 018 0 001 418 001, 002, 003, 004, 005, 006, 007, 008, 010 250519

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6423 9	Bosch Fiat	1 987 BE2 006 9947960	M8/M8/M6 post 12V	

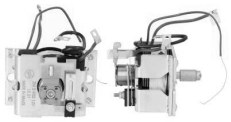
NEW	4 6424 9	Bosch	0 331 303 095	M8/M8/ male 12V	0 001 112 032

NEW	4 6431 9	Bosch Iveco MB Nissan Renault Truck Scania	0 331 402 007, 206, 507 93157969, 93159769 A 000 152 93 10 03902 4520, 23343 9X800 50 00 822 134 386768	M10/M10/M6 hole 24V	0 001 360 026 0 001 363 101

NEW	4 6433 9	Bosch	0 331 302 034	M8/M8/ male 12V	0 001 211 013 0 001 311 001, 027, 114, 127

NEW	4 6441 9	Bosch	9 330 451 059 9 330 451 070 9 330 451 071	M12/M12/M6 hole 24V	9 000 453 063 9 000 453 068

NEW	4 6442 9	Bosch FIAT MB	0 331 450 009 9962880 A 000 152 78 10	12V	0 001 413 001, 003, 006, 007, 008, 009, 010, 011, 012, 013, 014 0 001 413 017, 017 0 001 418 001, 002 ,003 ,004 ,005 ,006 ,007, 008, 010



IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6445 9	Bosch PSA FIAT	2 339 305 018 583689	M8/M8/M5 12V	0 001 108 183, 400, 471 0 001 109 364 5802F6, 5802W5, 96253825, 9648111680 1342792080, 9625382480

NEW 4 6446 9	Bosch FIAT	2 339 305 177, 154	M8/M8/M6 12V	F 000 CD0 900, 901, 903 F 000 CD0 9A0 F 000 CD0 9A3 51888975, 51893390, 51950819

NEW 4 6452 9	Bosch MB	0 331 302 050, 101, 601 001 151 77 01 002 151 08 01 002 151 09 01 002 151 31 01	M8/M8 M4 hole/M5 hole 12V	0 001 211 209, 210 0 001 311 041 0 001 313 003, 005, 006, 007

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW **4 6264 9**	Cummins VAG	3935650 3970416 2TO 201 114 2TO 201 114A	male/male/male/pin 24V	

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6160 9	Denso		M8/M8/ plug 12V	428000-0950 428000-0960

4 6172 9	Honda	35850-KBB-900	M6/M6/ male / male 12V	

4 6209 9	Denso BMW	MS428000-0670	M8/M8/M6 post M5 post 12V	428000-0670 7 515 392 04

4 6224 9	Denso	428000-0680	M8/M8 plug 12V	28100-0D090

NEW **4 6247 9**	Denso BMW Marelli/Fiat		M8/M8/M6 post M5 post 12V	MS428000-0660 12 41 1 740 373 7788380 631 110 06, 632 235 37, 632 935 37

NEW **4 6256 9**	Denso MB		M8/M8/M6 post 12V	428000-5510 DSN967 006 151 45 01 651 906 00 26

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6310 9	Denso	053400-3840, 3890, 3932, 6550	M8/M8 male 12V	028000-5330, 6490, 6520, 6650, 7131, 7132, 7133, 9900
	Isuzu	053400-7270		128000-1620
	Subaru	8-94151-210-0		8-94251-088-1
		49210-5602, 7002		42991-7000
	Suzuki	89210-4122		
	Toyota	31220-84010		31100-82010
		28150-15010, 15012, 15013		28100-10030, 13020, 15011
NEW 4 6311 9	Denso	053400-7130, 7800, 8730	M8/M8 male 12V	128000-2890, 4020, 4270, 4520, 4800, 5680, 6210, 6420, 7050
				128000-7400, 7480, 8530, 8890
	Isuzu	8-94361-908-0		228000-7160
	Toyota	28150-10020, 10021		
		28150-87509, 87510		28100-11010, 11020
NEW 4 6312 9		053400-8510	M8/M8/ male / male 12V	128000-4032, 4040, 4061, 4130, 4180, 5060, 5540, 6660, 7620
NEW 4 6346 9	Denso	053400-8750	M8/M8/ male 12V	128000-3662
	Honda	31204-679-014, 31220-51A-10		228000-4490
	Isuzu	31220-52A-20		
	Nissan	8-94455-179-0		
	Toyota	23343-KA040		
		28150-11710, 28150-11711		
		28150-87208, 28150-87512		
NEW 4 6367 9	Denso		M8/M8/ plug 12V	428000-3410, 3420, 4120, 4540
				428000-4541, 5000, 5001, 5010
				428000-5011, 5280
	Honda	31204-RNA-003, 31204-RNA-A01		31200-RNA-003, 31200-RNA-A01
				31200-RYE-A01, 31200-RZP-G01
NEW 4 6381 9	Denso	153400-1520, 3750	M8/M8/ plug 12V	228000-0940, 0941, 1100, 2900, 4020, 4030, 6730, 6740, 6750
	Toyota	28150-16160		228000-6760, 6840, 8350, 8360, 8540, 8550, 9530, 9540
				28100-11140, 16150, 16160, 16230, 21020, 21030

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6394 9	Denso	053400-5280 053400-5282 053400-5290	M8/M8 12V	028000-8010, 028000-8690, 028000-9100, 028000-9930 128000-0290, 128000-0370, 128000-0670, 128000-1300 128000-1310, 128000-4670, 128000-4710, 128000-5230 128000-6121, 128000-6131, 128000-6141, 128000-9130 128000-9180
	Honda	31204-PC1-004 31204-PC1-024		
NEW 4 6402 9	Denso	053400-1150, 1151, 1740, 1870 053400-1880, 2120, 2250, 3000 053400-3010, 3370, 6090	M8/M8/ Male / Cable 12V	028000-1010, 1970, 2000, 2160, 2360, 2680, 2890, 3000
	Ford	D27Z-11390-A, -B D77Z-11390-A, -B		D77Z-11002-A, -B, D97Z-11002-A E17Z-11002-B, -C
	Kubota	15231-63021		15271-63011
	Toyota	28150-12030, 23010, 24010, 24060 28150-26030, 41020		028100-15140, 22020, 24060, 24080, 25031, 26150 028100-33020, 34010, 34070
NEW 4 6435 9	Denso Toyota		M8/M8/ plug 12V	428000-0720 28100-0B010, 28100-0B020 28100-0G010, 28100-0G020
NEW 4 6447 9	Denso BMW		M8/M8 12V	428000-1760, 4490, 4491, 4492, 4493 12 41 7 579 155, 12 41 7 579 156 757915501, 759429201
NEW 4 6451 9	Denso VAG		M8/M8/ plug 12V	438000-0920, 0921 02M 911 021 F, R

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
4 6122 9	Bosch Ford-Visteon Ford	F 042 010 038 F3RZ-11390-A, B F78Z-11390-A XS6U-11390-AA SW-2506, SW-2507, SW-5204	M8/M8/M6 post 12V	96BB-11000-AB 97VB-11000-B F3RZ-11002-A, B, C F5OY-11002-A F87U-11000-DC XS6U-11000-AC
NEW **4 6326 9**	Ford-Visteon Volvo		M8/M8/M6 post 12V	1251700 3M5T-11000-AE, 5S4T-11000-AA, 6G9N-11000-AA YC1U-11000-AB, YS4U-11000-BA, YS4U-11000-DA 36002497, 8603292, 8603689
NEW **4 6359 9**	Ford Mazda		M8/M8/ male 12V	F8RU-11000-AA, F8RU-11000-CA WL01-18-400, WL02-18-4000, WL02-18-400A WL61-18-400, WL81-18-400, WL91-18-400

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
4 6118 9	Hitachi	2114-37613 2114-97612	M8/M8/M4 hole 12V	S114-850
4 6134 9	Hitachi Nissan	2114-57506 23343-16E01	M8/M8 cable 12V	S114-430A, B S114-439, A
4 6144 9	Hitachi	2114-57610	M8/M8 male 12V	S114-753 S114-753C
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
4 6178 9	Hitachi	2114-27613	M8/M8/M4 hole 12V	S114-808, S114-869, S114-925

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6195 9	Hitachi	2130-37004 2130-37008 2130-97004	M8/M8 male 12V	S13-92A
	Nissan	23343-10G00		23300-10G02, 23300-83W00
NEW **4 6243 9**	Hitachi	2114-67605 2114-87603	M8/M8 cable 12V	S114-461A, 520B, 534, 570B S114-767, 775A, 800B, 802A, 862A
	Nissan	23343-84A07		
NEW **4 6260 9**	Hitachi	2130-27006 2130-87005	M8/M8/M4 hole 12V	S13-112, 113, 114 114A S14-03
	Isuzu	8 94337 444 0 8 94435 568 0		
NEW **4 6285 9**	Nissan	2120-57002 23343-37506 23343-G7002	M8/M8 male 12V	S12-63, 63A, 63B, 63C, 68A, 68B
NEW **4 6288 9**	Hitachi	2130-47009 2130-57011	M8/M8 male 12V	S13-160, 204, 205B, 205D
NEW **4 6301 9**	Hitachi Nissan	2114-17005, 17505, 37602, 47005 23343-04E00	M8/M8 male 12V	S114-252A, 253A, 254B, 255A, 258A, 264A, 322A, 344, 347B S114-393, 403B, 440, 441A, 489 S13-56A, 56B

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6302 9	Isuzu Nissan	2120-97001 2130-17002, 27001, 47012, 6700 5-81151-015-0, 5-81151-029-0 5-81151015-0, 8-11530-018-0 23343-61504, G7001, T3470	M8/M8/ male 12V	S12-06, 28, 46, 46A, 52, 58, 61, 79 S13-14, 24A, 28, 31, 34A, 36, 40, 40A, 41A, 43, 45, 45A, 45B S13-46, 46A, 78
NEW 4 6303 9	Hitachi	2120-27002	M8/M8/ male 12V	S12-63, 63A, 63B, 63C, 68A, 68B
NEW 4 6304 9	Isuzu	2130-47005 8-94340-305-0	M8/M8 male 12V	S13-115A, 120A, 94, 94A
NEW 4 6313 9	Hitachi Nissan	2114-47612 23343-31000	M8/M8 cable 12V	S114-801A, 801B, 801C, 801D 23343-31U00
NEW 4 6318 9	Hitachi Isuzu	2114-77007 8-94228-453-0	M8/M8 male 12V	S13-62, 62A, 62B, 62C, 89A, 89B
NEW 4 6319 9	Hitachi Nissan	2114-37502 2130-37005 23343-83W00	M8/M8 male 12V	S13-104

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6335 9	Hitachi Honda Nissan	2114-17006 31204-634-671 23343-C0600	M8/M8 male 12V	S114-184, 202, 202A, 247A, 247C, 271, 433
NEW	4 6339 9	Hitachi Nissan	2114-37504 2114-47009 23343-H9100	M8/M8/ male 12V	S114-252, 252A, 252C, 252E, 252F, 252F S114-253, 253A, 253B, 254B, 254C, 254D S114-255, 255A, 258A, 258C, 264, 264A, 303 S114-322A, 344, 347B, 393, 403B, 440, 441, 441A, 441B, 483
NEW	4 6361 9	Hitachi Nissan	2270-37001	M8/M8/M4 hole 24V	S25-064, S25-156 23300-C8601
NEW	4 6363 9	Hitachi Isuzu	2240-5700	M8/M8/M4 hole 24V	S24-03C, S24-07, S24-13, S24-14, S25-03A, S25-161 8-94254-922-1, 8-94423-452-0
NEW	4 6371 9	Hitachi		M8/M8/ male 12V	S13-104
NEW	4 6376 9	Hitachi Fiat		M8/M8 coaxial 12V	S114-905, S114-906, S114-938, S114-943, S114-943A, S114-948 51890631

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6388 9	Hitachi	2114-37606 2114-47503 2114-47505 2114-87503	M8/M8 12V	S114-388D, S114-396, S114-406, S114-411, S114-412, S114-614, S114-618, S114-618A, S114-619
NEW 4 6389 9	Nissan		M8/M8 12V	S114-902A, S114-922 23300-CK800, 23300-EN20A, 23300-EN20B
NEW 4 6406 9	Hitachi Isuzu	2250-37008 8-97161-789-0	M8/M8/M4 hole 24V	S25-163, D25-168, S25-501, S25-515 8-97032464-0, 8-97032464-2, 8-97065526-0 ...
NEW 4 6408 9	Hitachi Honda Nissan	2114-27502, 2114-27505 2114-77505 31204-PD4-005 23343-W0400	M8/M8/ male 12V	S114-348, 362, 398, 418, 419, 419A, 426, 456, 556A
NEW 4 6409 9	Hitachi Isuzu Nissan	2130-27003, 2130-77001 5-81151-054-0 23343-W1700	M8/M8/ male 12V	S114-338A, 429 S13-71, 75, 82A, 84, 84B
NEW 4 6421 9	Hitachi Isuzu Nissan	2130-57004 2250-37001, 2250-97003 5-81151-158-1 23343-25F00, 23343-J5602	M8/M8/ male 24V	S25-142A

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6434 9	Hitachi Nissan	2250-57003 23343-L6000	M8/M8/M4 hole 24V	

NEW	4 6453 9	Hitachi	2130-77010	M8/M8/ male 12V	S13-512B, S13-555B, S13-557B

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	**4 6251 9**	Iskra	16905524	M8/M8 male 12V	11 130 166 AZD 3502 AZE 3508
NEW	**4 6356 9**	Iskra	16 905 423	M8/M8/ male 12V	11 130 233, 11 130 244, 11 130 245, 11 130 321 11 130 338, 11 130 352, 11 130 375, 11 130 519 11 130 907
NEW	**4 6411 9**	Iskra Case	 82019471	M10/M8/ male 12V	11.131.027 16.906.490 AZ F4115 4711 15 75 11.130.836
NEW	**4 6412 9**	Iskra Mahle	16.908.999 MSX122	M10/M10/M5 hole 12V	11.131.112, 11.131.216, 11.131.315, 11.131.424 11.131.535, 11.131.975, 11.131.984, 11.131.990

IKA-No.	Original	References	Dimensions	Unit-Nos.
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 ...
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, ...
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
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
4 6180 9	Lucas	60933083 76901, 76926, 76997, 77040, 77089 TOB123, TOB125, TOB183	M8/M8/M6 post 12V	26349 26416
NEW **4 6292 9**	Lucas	76994, 77036, 77140, 77147 77149 TOB182, TPB133	M8/M8 male 12V	26390, 26394 27430, 27440

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	**4 6351 9**	Lucas	60933111 76923, 77121, 77121A, 77131 77141, 77143, TPB104, TPB111, TPB116 TPB118, TPB119	M8/M8/ male / male 12V	27500, 27502, 27503, 27504, 27509, 27513, 27514 27515, 27516, 27518, 27519, 27520, 27521, 27522 27528, 27539, 27540, 27541, 27565

NEW	**4 6352 9**	Lucas	76816, 76896, 76939 TOB167	M8/M8/ male/ male 12V	25626A, 25626D, 25647A, 25647L

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
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
4 6155 9	Marelli FIAT Iveco	63602404	M8/M8/M6 post 12V	631 140 14, E95RL, MSN801 46231646, 71721242, 71782324 1319555080, 1311955508, 1331329080
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
4 6174 9	Marelli Ford	855 410 03	M8/M8/M6 post 12V	632 235 38, 632 935 38 95FB-11000-BC, BD, BG
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.
4 6182 9	Marelli FIAT	636 004 00 4189658	M8/M8 male 12V	632 253 99 4198226, 4198600, 4229113 4229114, 4474714
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
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
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
4 6199 9	Marelli FIAT	855 409 81 9945557	M8/M8 male 12V	632 228 89 632 229 36 632 231 09
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.
	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
	4 6213 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
NEW	**4 6235 9**	Marelli	855 411 10 855 411 11	M8/M8 male 12V	632 231 03 632 231 04
NEW	**4 6248 9**	Marelli Denso PSA	85553402	M8/M8/M5 post 12V	428000-1640 5802AZ, 5802Y4, 5802Y5, 5802Y6, 964025280, 9646679980
NEW	**4 6322 9**	Marelli	855 412 10	M8/M8/M6 post 12V	631 020 00 631 920 00
NEW	**4 6331 9**	Marelli	855 417 40 855 418 60	M8/M8/M6 post 12V	631 030 26 631 110 16, 631 110 17, 631 110 36

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6333 9	Marelli Bosch	855 409 61 F 042 010 303	M8/M8/ male 12V	632 229 00 632 230 85 632 233 03
NEW 4 6337 9	Marelli FIAT	636 338 01, 636 338 25 636 938 01 855 400 11, 855 402 21 79036683, 7980335, 9936770 9957705, 9986144	M10/M10/male 12V	632 161 97, 632 168 15, 632 168 27, 632 168 31, 632 168 33 632 168 59, 632 168 74, 632 168 96, 632 168 98, 632 171 18 632 171 19, 632 171 20, 632 171 21, 632 171 25, 632 171 26 632 171 47, 632 171 48, 632 171 54, 632 171 88, 632 174 10
NEW 4 6368 9	Marelli	855 400 71	M8/M8/ male 12V	632 218 30
NEW 4 6390 9	Marelli Fiat	636 009 04 855 302 20 855 400 41 9938442	M8/M8 12V	632 209 32, 632 214 00, 632 214 30, 632 214 33, 632 214 38, 632 215 31, 632 215 32, 632 215 34, 632 215 38, 632 215 39, 632 216 31, 632 216 32, 632 216 36, 632 217 31
NEW 4 6416 9	Bosch FIAT Marelli	0 331 100 005, 014 0 331 101 001, 003 9009423 9923794, 9925687 63631425, 636331425	wire 12V	0 001 401 005, 011, 023, 028, 044, 046, 049, 060 63213853, 63213855, 63216225, 63216233
NEW 4 6425 9	Marelli Fiat	85541010, 85541400, 85541560 85544260 9947959	M8/M8/M6 post 12V	63101000, 63101002, 63101008, 63101015, 63101018 63102003, 63102004, 63102007, 63102008, 63102020 63103015, 63111005, 63201008, 63222888, 63222889 63222909, 63222936, 63223108, 63223109, 63223200

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6454 9	Marelli FIAT	636 008 02 855 300 10, 855 405 91 9936623	M8/M8 male 12V	632 205 06, 632 205 36 632 209 01, 632 209 31 632 213 08, 632 213 09, 632 213 38 632 214 04, 632 214 31, 632 214 34, 632 216 37

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6121 9	Bosch Melco Nissan	F 042 010 416 M371X62171, M371X63071 23343-AA000, 23343-M8011	M8/M8/ male 12V	M1Q71281, M1T60381 M1T70283, 0381, 1081, 1881, 4081, 4581, M2T30481, M2T42381, M3T24482A, H M3T30481 M3T41781
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
4 6150 9	Melco		M8/M8/M5 post 12V	M0T80082, M1T80081 M1T80082, M1T90281
4 6166 9	Melco Opel FIAT		M8/M8/M5 post 12V	M1T30071, M1T30072 55353857, 55358857, 6202074 46823543, 51782321, 55192482, 55195211, 60817002
4 6188 9	Melco	M372X00171 M372X02371	M8/M8/M5 hole 12V	M2T56071 M2T56072
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

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6200 9	Melco Chrysler		M8/M8 plug 12V	M1T84381 M1T84381ZC, M1T84382, M1T84382ZC 56041012AB, AD
NEW **4 6241 9**	Honda Mitsuba		M8/M8 male 12V	31210-PEL-004 SM442-35
NEW **4 6259 9**	Melco	M371XB4171	M10/M10/M5 hole 24V	M9T60672, M9T61171, M9T61971 M9T62171, M9T62671
NEW **4 6270 9**	Melco Mazda	M371X60171 MD607889 SB601 E356-18-X10	M8/M8/ male 12V	M0T70381, M0T92581, M1T70481, M1T70483, M1T73381 M1T73383, M2T40081, M2T49881, M3T32591, M3T32593 M3T41081, M3T41083, M3T42781, M3T43381
NEW **4 6276 9**	Bosch Melco	F 042 010 391 M371XA0273 MD618972	M8/M8 male 12V	M2T84071, M2T84171, M2T84571, M2T87171 M2T87371, M2T87871, M2T87971, M8T75071
NEW **4 6305 9**	Melco Mazda Nissan	M371X16171 M371X58871 FE79-18-X10, KL06-18-X10 23343-04E10	M8/M8 male 12V	M1T50071, M2T23081, M2T23685, M2T25681, M2T50181 M2T53581, M2T53781, M2T53881, M2T54085, M2T58381 M3T21281, M3T21881, M3T21882, M3T23081, M3T24488 M3T25281, M3T26685, M3T33588

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6306 9	Melco Bosch	M371X62571 F 042 010 399	M8/M8/M5 post 12V	M1T74281, M1T74286, M1T74286ZC, M1T76081
NEW 4 6309 9	Melco Nissan Renault		M8/M8/M5 post 12V	M0T86181, M0T87881 M0T91581, M1T85781 23300-00QAW, 00QUA, BN700 8200021396, 8200227002 8200227092
NEW 4 6323 9	 MB	M373X07671	M12/M12/M5 post 24V	M009T80471, M009T80472, M009T83671, M009T84771 M9T80472, M9T82171, M9T83671, M9T83672, M9T84771 0 041 515 001, 0 051 511 501, 0 051 515 001, 0 051 516 401 0 051 517 001, 0 061 510 001, 0 061 511 501, 0 061 516 901
NEW 4 6324 9	Melco Mitsubishi	M371X10171 M372X10371 ME700119 ME700316	M8/M8/ male 24V	M2T55271, M2T64271, M2T66873, M2T67871 M2T67873, M2T67881
NEW 4 6325 9	Melco Mazda	M371X20572, M371X20671 M371X20672 SE01-24-736	M8/M8/M5 hole 24V	M3T56181, M3T56182, M3T56183, M3T57371, M3T57675 M3T58071, M3T58571, M3T58771
NEW 4 6334 9	Melco Bosch Mazda	M371X60171 MD607889 MD618728 F 042 010 390 E356-18-X10	M8/M8 male 12V	M002T92071A M0T70381, M1T70481, M1T70483, M1T73381, M1T73383 M2T40081, M2T49881, M3T10476D, M3T32591, M3T32593 M3T41081, M3T41083, M3T42781, M3T43381

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6342 9	Bosch Melco Motorcraft Ford	F 042 010 515 SC074 SWE-5064 F4TZ-11390-A	M10/M8/M5 post 12V	M8T50072, M8T50071, M8T50071A, M8T50072, M8T50171 SA-817, SA-817-RM, SA817RM F4TU-11000-AA, F4TZ-11002-A, F4TZ-11002-ARM F4TZ-11002-B, F5TU-11000-AA, F5TU-11000-AD
NEW 4 6348 9	Melco Nissan	SB524	M8/M8/ cable 12V	M2T53882 23300-84A11
NEW 4 6354 9	Melco	M372X11871	M8/M8/ cable 24V	M008T80071, -A, -B
NEW 4 6355 9	GM/Opel Melco Renault		M8/M8/M5 post 12V	9160556, 9198664 M002T87671 7700300522, 7700313447, 7711134622
NEW 4 6365 9	Melco Volvo		M6/M6/M5 post M5 post 24V	M9T62173 20572417
NEW 4 6379 9	Melco Nissan	M371X69171 23343-30R11	M8/M8/Male 12V	

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6380 9	Melco Bosch Ford Mazda	M372X04171 F 042 010 516 E3TZ-11390-A 8599-24-736	M8/M8/Male 12V	M2T54371, M2T54372, M2T60071, M2T60072, M2T60073 M3T66071, M3T66072, M3T66073, M3T66074 E3TZ-11002-C, E3TZ-11002-F 8599-18-400A, N211-18-400, S203-18-400B, S211-18-400
NEW 4 6382 9	Melco PSA Renault		M8/M8/M5 post 12V	M0T45071, M0T45071ZT, M0T45171ZT 5802.Q7, 96262614 6001549062, 8200240487, 8200584664
NEW 4 6387 9	 Bosch Mazda Nissan	M371X00171 MD602074 MD602879 MD607549 1 987 001 013 F 042 010 500 0222-24-760A 0324-24-760A 23343-B5010 23343-P0610	M8/M8 12V	M2T50381, M2T50881, M2T53083, M2T53085, M2T54271, M2T58581, M2T58681, M3T10473, M3T11172, M3T11173Q, M3T22582, M3T25782, M3T25882, M3T25883, M3T25981, M3T32581, M3T32583, M3T32681, M4T14771, MGE01-1
NEW 4 6391 9	Melco		M8/M8/M5 24V	A 006 151 48 01, A 006 151 68 01, A 007 151 08 01 M009T65271, M009T66171, M9T65271, M9T66171
NEW 4 6392 9	Melco MB	 Design update 2021-07 !	M12/M10/M5 hole 24V	M9T20171 A 007 151 02 01
NEW 4 6393 9	Melco	M371X00272 M371X17271 M371X54771	M8/M8 12V	M1T50471, M2T20181, M2T20182, M2T20281, M2T23181 M2T50581, M2T50585, M2T50981, M2T51181, M2T52671 M2T52681, M3T20681, M3T26081, M3T27581, M3T29481 M3T36081, M3T36481, M4T18171 MCA02-0, MCA03-0, MEA06-1, MEA07-1, MEA95-0

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6396 9	Melco	M371XD2071	M6/M6 12V	1810A008 M000T31671, M000T31671ZC, M0T31671
NEW 4 6404 9	Melco	M371XB0271 ME701583	M8/M8/M5 hole 12V	M008T55071 M008T55073 ME015766 ME21509 ME215097
NEW 4 6405 9	Melco Mazda	M371X36271 MD607412 K801-18-Z10	M8/M8/ Male 12V	M2T24181, M2T25581, M2T51281, M2T51282, M2T53081, M2T53082, M3T80371 K801-18-400C, K802-18-400
NEW 4 6407 9	Melco PSA		M8/M8/M5 post 12V	M000T82081, M0T85381 5802CW, 5802W3, 96251686
NEW 4 6415 9	Melco	E5881	M8/M8/M6 post 12V	M000T89182
NEW 4 6420 9	Melco	M371X64273 M371XA0274 ME701462	M8/M8/ Male 12V	M001T74181A, M002T75071, M002T75071A, M002T75073, M002T75073A, M002T75074, M002T85271AA, M002T87071 M002T87072ZT, M002T87171ZT, M002T88271, M008T715071A M008T75074ZA, M008T75074ZT

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6422 9	Melco		M8/M8/ plug 12V	M0T83381, M0T83381ZC, M0T84881, M0T84881ZC M0T84882ZC, M1T79483, M1T79484, M1T84381 M1T84381ZC, M1T84382, M1T84382ZC
NEW 4 6436 9	Melco Mazda	M372X01171 4872-24-736	M8/M8/M5 hole 12V	M002T54571, M002T54572 4840-18-400, A, B
NEW 4 6437 9	Melco Volvo	U001T32974	M6/M6/M5 post M5 post 24V	M009T62671 21164603, 85000749
NEW 4 6438 9	Melco Renault Volvo		M10/M10/M5 hole 24V	M009T61471, M009T61473, M009T61474, M009T61671 20732977, 5001866702, 7420732977 20397219, 85000148
NEW 4 6439 9	Melco Volvo	U001T36972	M6/M6/M6 post 24V	M009T61171, -AM 20430564, 20431073, 20572417 85000087, 85000746
NEW 4 6440 9	Melco Bosch Hyundai/KIA Mazda	M371X60271 MD607997, MD618581 MD618613 F 042 010 424 36120-11130, 36120-11140 36120-32510 AM15-18-X10	M8/M8/male/cable 12V	M1T70481, M1T70485, M3T32592 MD034120, MD100431

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6448 9	Melco Volvo	U001XC5072	10.5/4.5/plug/plug 24V	M009T66771, M009T66772, M9T66771, M9T66772 21542660, 7421542662, 85013931, 85020789
NEW 4 6449 9	Melco Volvo		M10/M10/M5 hole 24V	M009T66771, M009T66772 21542660, 22602935, 7421542662, 85013931, 85020789
NEW 4 6450 9	Melco PSA Toyota	M000T22472	M8/M8/M5 post 12V	M000T22471, M000T93581, M000T93582 5802AZ, 5802FG, 5802FP, 5802Y4, 5802Y5, 5802Y6 9640825280, 9646679980, 9664016980, 9688268480 9688268580, 9801667580 28100-YV010, 28100-YV011
NEW 4 6455 9	Melco Renault Truck Volvo Truck	U001T37575	M6/M6/M4 hole/ M4 hole 24V	M008T62671 5010306533, 5010306777, 5010306910, 5830000632 20430564, 20891242, 85000087, 85000677
NEW 4 6456 9	Melco Ford Delco Remy		M8/M8/M6 post 12V	M002T86071ZT M1T96781, -ZC, -ZCKD M1T96782, -ZC, -ZCKD 6E5T-11000-BA, -BB, -BC 6E5Z-11002-BA AB39-11000-BA 10455711

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6289 9	Mitsuba Honda	 31210-PC2-026 31210-PE1-171	M8/M8 male 12V	SM302-04, SM302-07, SM302-16
NEW	4 6290 9	Mitsuba Honda	 31210-P01-005 31210-P13-904 31210-P30-005 31210-PT0-904	M8/M8 male 12V	SM302-24, 25, 44, 46, 48 SM402-02, 03, 13N, 15, 15N, 16N
NEW	4 6427 9	Mitsuba Honda	 31210-PC2-016 31210-PD2-006 31210-PD2-016	M8/M8/ male 12V	SM302-02 SM302-08 SM302-18 SM302-28, SM402-10N

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW **4 6246 9**	Remy	1114583	M8/M8/M5 post/ M5 post 12V	9000821, 9000822, 9000840, 9000844 9000867, 9000884, 9000885, 9000895
NEW **4 6249 9**	Remy	1115625 D919A	M10 post/M10 post 24V	10478938, 10478939, 10478940, 10478941, 10478942, 10478943, 10478944, 10478946, 10478947, 10478948, 10478952, 10478988, 10479008, 10479009, 10479010, 10479011, 10479053, 10479168 1993842, 1993933, 1993936, 1993940, 1993941, 1993944, 1993945, 1993980
NEW **4 6255 9**	Bosch Remy	F 042 010 597 10511219 1115667, 115668, 1115673	M10 post/M10 post 24V	10478820, 10478839, 10478898, 10478980...
NEW **4 6267 9**	Bosch Remy Ford	F 042 010 584 1115593 E6HZ-11390-B	M10 post / M10 post 12V	10478801, 10478802, 10478803, 10478804, 10478810, 10478816, 10478894, 10478895, 10478962, 10478964, 10478966, 10478967, 10478978, 10478983
NEW **4 6268 9**	Bosch Remy	F 042 010 595 1115595 1115601 1115608	M10 post / M10 post 24V	10478820, 10478839, 10478980, 10478981, 10478986 10478989, 10478990, 10478996, 10479012, 10479022 10479067, 1990344, 1990350, 1990357, 1990359
NEW **4 6269 9**	Remy	1115634	M10 post / M10 post 24V	10478961, 10479013, 10479172

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6280 9	Remy	3471693 DR902	M8/M8 male /male 12V	3471143 3471163
NEW 4 6320 9	Bosch Remy	F 042 010 491 10457116 10483810 10483811	M10/M8 post 24V	10479605, 10479612, 10479622, 10479623, 10479629 10479652, 10479654, 10479655, 1113277, 1113291
NEW 4 6321 9	Bosch Remy MB	1 987 BE2 003 10457368 0 011 523 610	M10/M8/M5 post M6 post 24V	10479626, 10479650 A 0 051 512 201, A 0 051 517 601
NEW 4 6330 9	Remy Bosch	1115641 D939A F 042 010 596	4 clamp 24V	10478898, 10479024, 1047904, 10479079
NEW 4 6341 9	Remy	10456454	M10/M8/ post 12V	1113269, 1113270, 1113295, 1113296
NEW 4 6357 9	Remy Bosch	1115619 1115621 F 042 010 583	UNC 1/2 UNF 1/2 x 1/4 UNF 10 post 24V	10478814, 10478819, 1993901, 1993902, 1993903 1993905, 1993909, 1993910, 1993911, 1993914 1993926, 1993972

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6360 9	Remy Bosch MB	10457055 F 042 010 489	M10/M8/M5 post 12V	10479604, 10479619, 10479621, 10479624, 10479638 10479651, 1113269, 1113270, 1113273, 1113274, 1113275 1113276, 1113278, 1113279, 1113280, 1113281, 1113282 1113284, 1113286, 1113287, 1113289, 1113290, 1113292 1113296, 1113297 A 0 051 518 301
NEW 4 6362 9	Remy Bosch VAG	10512094 F 042 010 578	M12/M12/M5 post 24V	10461774, 10461776, 19026030, 19026032, 8200000 8200024, 8200026, 8200053, 8200072, 8200078, 8200236 8200269, 8200301, 8200322, 8200486, 8200600, 8200733 8300023, 8300025 2S0 911 023 A, 2T0 911 023 F
NEW 4 6364 9	Remy	10511369 10511415	M6/M6/M5 post M5 post 24V	19011507, 19011509, 19011511, 19011522, 19011523 19011524, 19011527, 8200034, 8200039, 8200040 8200041, 8200101, 8200435, 8200714
NEW 4 6366 9	Remy	10517672, 1115663 10529387, 1115683	UNC 1/2 UNC 1/2 UNF 10 post UNF 10 post 24V	10478937, 10478943, 10479009, 10479010, 10479178
NEW 4 6369 9	Remy	10511369 10511415	M6/M6/M5 post M5 post 24V	19011507, 19011509, 19011511, 19011522, 19011523 19011524, 19011527, 8200034, 8200039, 8200040 8200041, 8200101, 8200435, 8200714
NEW 4 6370 9	Remy Bosch	1115557, 1115559 F 042 010 113	UNC 1/2 UNC 1/2 UNF 10 post UNF 10 post 24V	10478911, 10479339 1109222 ... 1113533...

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6374 9	Remy Bosch	1115594 F 042 010 582	UNC 1/2 UNC 1/2 UNF 10 post UNF 10 post 24V	1990330... 1993701... 1993829...
NEW 4 6383 9	Remy	10511368 10511414	M6/M6/M5 post M5 post 12V	10461334, 10461753, 10461755, 10461760, 10461773, 10461777 19011500, 19011505, 19011506, 19011508, 19011510, 19011513 19011518, 19011519, 19011521, 19011525, 19011526, 19011530 ...
NEW 4 6386 9	Remy	1115657	1/2" UNC / 1/2" UNC UNF 10 / UNF 10 24V	10461025, 10461030, 10461035, 10461187, 10461222, 10461357, 10461358, 10461359, 10461360, 10461361, 10461365, 10461396, 10461397, 10461410, 10461412, 10461413, 10478947, 10478952, 10478988, 10479008, 10479011, 10479012, 10479053, 10479097, 10479100, 10479119, 10479120, 10479136, 10479149, 10479168, 10479202, 10479220, 10479223, 10479245, 10479291, 10479303, 10479308, 1993804, 1993810, 1993812, 1993842, 1993933, 1993936, 1993940, 1993941, 1993944, 1993945, 8300050
NEW 4 6395 9	Remy Bosch Mercedes-Benz	10457366 1 987 BE2 012	4 Terminals 24V	10479650 A 0 051 517 601
NEW 4 6410 9	Remy Bosch	10475646, 10475654 F 042 010 041	M8/M8/M5 post 12V	9000786, 9000798, 9000805, 9000806, 9000812, 9000819
NEW 4 6414 9	Remy Bosch	1114597, 1114607 1 987 BE2 010	M8/M8/M6 post 12V	8000158, 8000159, 8000188, 9000890, 9000891, 9000893

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6426 9	Remy Bosch	1114256, 1119798 D932 F 042 010 103	UNF 10 / UNC 8 post UNF 10 post 12V	732246348

NEW 4 6429 9	Remy	10457152	M10/M8/ M5 post / M5 post 24V	10479600, 10479608 10479616, 1113272

NEW 4 6443 9	Remy Bosch	10512637, 1115672, 1115678 1 987 BE2 018	1/2"-1/2"-10 post 24V	10479292, 10479310

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6176 9	UNIVERSAL		M8/M8 12V 200A	

4 6177 9	UNIVERSAL		M8/M8 24V 200A	

NEW **4 6236 9**	UNIVERSAL		M8/M6 male 12V	

NEW **4 6262 9**	UNIVERSAL		M8/M8/ male / male 12V 200A IP54	

NEW **4 6263 9**	UNIVERSAL		M8/M8 male / male 24V 200A IP54	

NEW **4 6350 9**	UNIVERSAL outdoor		M8/M8/M5 hole 12V	

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

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

IKA-No.	Original	References	Dimensions	Unit-Nos.
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
4 6016 1	Valeo Renault	594355 77 012 073 82	12V OE Version	D7E22, D7E6 TS10E5, TS10E5(B)
4 6017 1	Valeo Renault	594438 77 012 073 81	12V OE Version	D7E19, D7E26 TS10E4
4 6105 9	Valeo	594118 594140 594426	M8/M8/M5 post 12V	D6RA43, 100 D7R1, 3, 11, 15, 151
4 6110 9	Valeo Remy	502326	M8/M8/M6 post 12V	D6RA65, 84, 85, 132, 165, 185 D7R19, 28 21023232, 21023719, 21023994, 21024210
4 6111 9	Valeo	594047 594119	M8/M8 male 12V	D6RA8, 18, 19, 22, 27, 29, 34, 40, 52, 54, 60 D7R2, 4, 17

IKA-No.	Original	References	Dimensions	Unit-Nos.
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

4 6129 9	Bosch Valeo	F 042 010 371 594045 CED552, NE777	M8/M8/ male 12V	D6RA5, 7, 10, 13, 15, 20, 42

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

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

4 6135 9	Valeo	106142 106143	M8/M8 male 12V	D9E39, 52, 112, 771, 772 D10E85, 92, 921

4 6156 9	Valeo	594365	M8/M8/M5 post 12V	432623 D6RA572

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6157 9	Valeo	494822	M8/M8/M6 post 12V	438143, 438185 BD7E44 D7E36
4 6159 9	Valeo	594391	M8/M8 plug 12V	D7RS29, D7RS30, D7RS129, D7RS130, D7RS291, D7RS301
4 6162 9	Valeo	594181, 594449 CED5010, CED5083	M8/M8/M5 post 12V	432633 D6RA37, 51, 57, 110, 511, 571
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
4 6179 9	Bosch Valeo	F 042 010 366 102217 CED528	M8/M8 male 12V	D9E38, 48, 49, 50, 51, 61, 62, 66
4 6192 9	Valeo	594183 NE-898	M8/M8/M5 post 12V	D6RA6, 33, 46, 53, 56, 61, 73

IKA-No.	Original	References	Dimensions	Unit-Nos.
4 6193 9	Valeo MB	594704	M8/M8/M6 post 12V	432644, 455720 D7R43, D7R46 005 151 13 01

4 6194 9	Valeo PSA	594348	M8/M8/M5 post 12V	438093, 438129 D6G3, 5, 16, 23 9618725080, 9648644680

4 6220 9	Valeo	102190, 108458 CED528	M8/M8/M5 post 12V	D9E46, 68

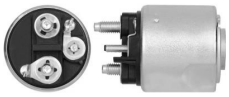
4 6225 9	Valeo FIAT	594646	M8/M8 coaxial 12V	438168, 458191 D6G1, 32, 321 46823548, 518102660, 51880229, 55204116 71724236

4 6226 9	Valeo VW	594743	M8/M8 plug 12V	191429 436174, 458214, 458216 D6GS9, 11-14 02M 911 023 G, GX, M, MX 02T 911 023 R, S

4 6228 9	Valeo	594087	M8/M8 male 12V	D6RA8, 17-19, 22, 23, 27, 29, 34, 44, 50, 52, 54, 60, 64

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6237 9	Valeo	182464 CED518	M8/M8 male 12V	D9E36 D9E54
NEW 4 6239 9	Valeo	181404 CED550	M8/M8 male 12V	D9R90 D9R96 D9R97
NEW 4 6240 9	Valeo	104604 CED540	M8/M8 male 12V	D9E76 D9E77
NEW 4 6250 9	Valeo	594658	M8/M8/M5 post 12V	C194252A D7G11
NEW 4 6266 9	Valeo Renault	594288	M8/M8/ male	432685, 438142 D7E1, D7E35 7700864608, 7700867838
NEW 4 6275 9	Valeo	494806	M8/M8M6 post 12V	432626, 438126, 438127 BD7E17, BD7E37

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW 4 6281 9	Valeo	583079	M8/M8/M5 post 12V	6183, 6187, 6203, 6216, 6220, 6231
NEW 4 6286 9	GM Valeo	F 042 010 365 90421722	M8/M8/M6 post 12V	09130838, 90341777, 93171936 D6RA162
NEW 4 6287 9	Valeo	102849, 103489, 103794, 105489 181069, 182461 CED533, CED538, CED544	M8/M8 male 12V	432536, 432538, 432574 D7R89 D9R73 D9R91
NEW 4 6295 9	Valeo Nissan Renault	594438	M8/M8 male 12V	438110 D7E19, FS10B3, TS10E4 23300-1105R 8200049826
NEW 4 6336 9	Valeo	182462 105254 CED543	M8/M8/male/male 12V	D10E81, D10E87, D9E100, D9E81 D9E87, D9E95
NEW 4 6343 9	Valeo Renault	594208 77 010 404 23	M8/M8/ male 12V	432622, 432631, 432638, 432670 D6RA133, D6RA141, D6RA33, D6RA41, D6RA45 D6RA53, D6RA63

IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW **4 6372 9**	Valeo Nissan Renault	594610	M8/M8/M5 post 12V	438224, 458388 D7E27, D7E47, D7E48, FS10E3, TS10E3, TS12E9 233003329R 7711135334, 82006242588, 8200624258B 8200836473, 8200836473B
NEW **4 6373 9**	Valeo	NE355, NE361 606893, 680559, 680560, 680566	M8/M8/ male 12V	6020E, 6020F, 6035E, 6035F, 6081E, 6081F 6189A, 6189B, 6189C, 6189D 6212A, 6212B 6241A, 6241B
NEW **4 6399 9**	Valeo	438128	M8/M8/ Male 12V	D7E11 438128
NEW **4 6400 9**	Valeo Nissan Renault	594610	M8/M8/M5 post 12V	D7E27, 47 48 FS10E3, TS10E3, TS12E9 438224, 458388 233003329R 7711135334 82006242588, 8200624258B, 8200836473, 8200836473B
NEW **4 6401 9**	Valeo MB	594401	M8/M8/M6 post 12V	D6RA83 455949 A 041 518 501 A 051 511 101 A 051 512 101
NEW **4 6413 9** 	Valeo Nissan Renault	501793	M8/M8/M5 post 12V	455722, D7E39, TS8E6 23300-00QAY 233000799R, 7701499651, 8200369521

	IKA-No.	Original	References	Dimensions	Unit-Nos.
NEW	4 6417 9	Valeo Hyundai/KIA	 36120-2B100	M8/M6 plug 12V	1195239 36100-2B100

NEW	4 6428 9	Valeo GM		M8/M8/M6 post 12V	TS14E15 9025295

NEW	4 6432 9	Valeo	104594 CED541 NE159	M8/M8/ male 12V	D9E78 D9E79

NEW	4 6500 9		Piston Repair		D7E4 D7E8

GE
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5

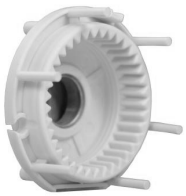
ERSATZTEILE FÜR GETRIEBESTARTER

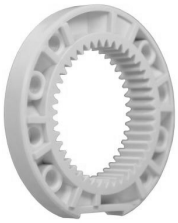
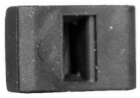
COMPONENTS FOR GEAR STARTERS

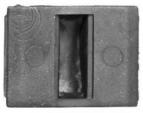
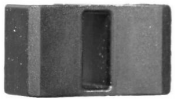
PIECES DE RECHANGE POUR DEMARREURS A REDUCTEUR

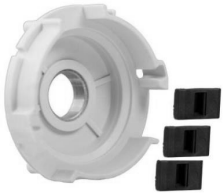
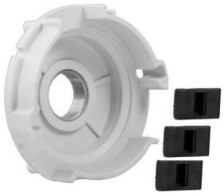
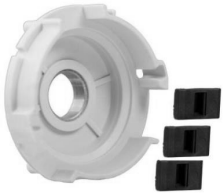
GE
BE

GE
BE

	IKA-No.	Original	References	Unit-Nos.
	4 2200 0	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
	**4 2201 0**	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
	4 2202 0	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
	4 2203 0	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 FIAT MB Opel PSA VW	9 001 140 322 Plastic Gear 9939195 000 151 02 30 1203400 5851 02 069 911 307 alternative product 4 2221 1	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 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 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

	IKA-No.	Original	References	Unit-Nos.
	**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	Rubbber for 0 001 218 ...
	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 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 2242 0	Bosch	Gear for 4 2204 0 Gear for 4 2214 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

	IKA-No.	Original	References	Unit-Nos.
	4 2251 1	Bosch	4 2200 0 w.Rubber (3)	0 001 107 ... / 108 ... 0 001 115 ... / 121 ... 0 001 137 ...
	**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 ...
	**4 2255 1**	Bosch	4 2214 0 w. Rubber(3)	0 001 109 ... / 110 ... 0 001 124 ... / 125 ...

	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

	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

	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 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	**bulk** **4 4000 0**	packed by 10 4 4000 1	12.56/16.6x15.8
	BOSCH 1 000 301 001 1 000 301 034 1 000 301 046	**bulk** **4 4004 0**	packed by 10 4 4004 1	12.56/16.6x11.5
	BOSCH 1 000 322 005	**bulk** **4 4005 0**	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	**bulk** **4 4009 0**	packed by 10 n.a.	12.1 /13.62x11.5
	BOSCH 1 000 301 011	**bulk** **4 4011 0**	packed by 10 4 4011 1	12.06/16.12x16
	BOSCH 1 000 301 012	**bulk** **4 4012 0**	packed by 10 n.a.	12.06/16.12x14
	BOSCH 1 000 301 013	**bulk** **4 4013 0** **limited stock**	packed by 10 n.a.	26.12/30.13-33x11.5
	BOSCH 1 000 301 021	**bulk** **4 4021 0**	packed by 10 n.a.	11.06/13.63x14
	BOSCH 1 000 301 022	**bulk** **4 4022 0**	packed by 10 n.a.	17.61/21.62x 9.5
NEW	BOSCH 1 000 301 023	**bulk** **4 4023 0**	packed by 10 n.a.	14.36/16.04x10
NEW	BOSCH 1 000 301 032	**bulk** **4 4032 0**	packey by 10 n.a.	11.1/12.62x11.5
	BOSCH 1 000 301 054 L	**bulk** **4 4052 0** **gear inside** **0 001 218 ...**	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	**bulk** **4 4053 0** **limited stock**	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	**bulk** **4 4054 0**	packed by 10 4 4054 1	8.06/11.12x8.00
	BOSCH 1 000 301 055 1 000 301 074	**bulk** **4 4055 0**	packed by 10 n.a.	18.03/22.12x08
	BOSCH 1 000 301 056 1 000 301 083 2 000 301 056 FORD	**bulk** **4 4056 0**	packed by 10 4 4056 1 alternative:	10.06/14.1x10

Original	IKA-No.	IKA-No.	Dimensions
E90Z-11135-A VALEO D7E (DE)	**Bosch** **INA**	1 000 917 003 HK 1010	8 4096 0
BOSCH 1 000 301 055 K	**bulk** **4 4057 0** **gear outside** **0 001 218 ...**	packed by 10 n.a.	18.03/22.12x 6.5
BOSCH 1 000 301 061	**bulk** **4 4061 0**	packed by 10 n.a.	10.06/16.6x10.5
BOSCH 1 000 301 062 9 001 320 323 F 000 AL1 011	**bulk** **4 4062 0**	packed by 10 n.a.	12.56/16.6x10
BOSCH 1 000 301 080	**bulk** **4 4071 0**	packed by 10 n.a.	12.56/16.6x8
BOSCH 9 001 140 347 FIAT / MARELLI 9 939 199	**bulk** **4 4077 0**	packed by 10 n.a.	10.06/16.6x11.5
BOSCH 1 900 301 420	**bulk** **4 4080 0**	packed by 10 4 4080 1	14/20x10
BOSCH 1 000 390 001/003 1 000 390 004	**bulk** **4 4082 0** **split bushing** **new design**	packed by 10 n.a.	28.5 /32.3x11
BOSCH 1 000 390 001/003 1 000 390 004	**bulk** **4 4083 0** **sintered bushing**	packed by 10 n.a.	28.5 /32.3x11
BOSCH 9 003 330 317	**bulk** **4 4093 0**	packed by 10 n.a.	10/16.1x10
BOSCH 2 000 301 000	**bulk** **4 4103 0**	packed by 10 4 4103 1	12.56/16.6x18
BOSCH 2 000 301 013	**bulk** **4 4113 0**	packed by 10 n.a.	10.07/14.1x13
BOSCH 2 000 301 015	**bulk** **4 4115 0**	packed by 10 4 4115 1	40/48x10.5
BOSCH 2 000 301 016	**bulk** **4 4116 0**	packed by 10 4 4116 1	22.14/28.1x11.3
BOSCH 2 000 301 022	**bulk** **4 4122 0**	packed by 10 n.a.	11.1 /12.62x10.5
BOSCH 1 000 301 008 1 000 301 078 2 000 301 023 2 000 301 040	**bulk** **4 4123 0**	packed by 10 n.a.	12.1/14.12x13
BOSCH 2 000 301 026	**bulk** **4 4126 0**	packed by 10 4 4126 1	19.09/23.1x10
BOSCH 2 000 301 036 9 001 082 166 Opel 347 1553 Opel/Remy 347 1069	**bulk** **4 4136 0**	packed by 10 4 4136 1	12.1/14.12x14

Original	IKA-No.	IKA-No.	Dimensions
BOSCH	**bulk**	packed by 10	
2 000 301 041	**4 4141 0**	n.a.	19.09/23.1x13
2 000 301 045			
2 000 301 049			
BOSCH	**bulk**	packed by 10	
2 000 301 043	**4 4142 0**	4 4142 1	14.06/18.1x14
2 000 301 047			
BOSCH	**bulk**	packed by 10	
2 000 301 044	**4 4144 0**	n.a.	14.36/16.04x20.5
BOSCH	**bulk**	packed by 10	
Gear Shaft for	**4 4198 0**	n.a.	20.85/25x11.8
Planetary Gear	**9 001 336 244**		
Starters	**0 001 230 … / 231 …**		

Original	IKA-No.	IKA-No.	Dimensions
DENSO	**bulk**	packed by 10	
	4 4509 0	n.a.	6.9/9.45-13.0x9.25
Valeo A635429A			
DENSO	**bulk**	packed by 10	
	4 4510 0	n.a.	7.05/9.4x8.25
Valeo A635805A			

	Original	IKA-No.	IKA-No.	Dimensions
	FIAT / MARELLI 4 114 431 9 938 368 748 603 00 FEMSA 3305-103	**bulk** **4 4300 0**	packed by 10 n.a.	12/16x14
	FIAT / MARELLI 4 114 442 748 603 80	**bulk** **4 4301 0**	packed by 10 4 4301 1	10/14x15
	FIAT / MARELLI 672 541 748 682 10 FEMSA 3305-13 ISKRA 17 120 057 PAL MAGNETON	**bulk** **4 4302 0**	packed by 10 4 4302 1	10/14x13.5
	FIAT / MARELLI 9 927 787 723 625 10	**bulk** **4 4306 0**	packed by 10 n.a.	12.57/18.54x19.8
	FIAT / MARELLI 9 927 783,-789 723 629 10	**bulk** **4 4307 0**	packed by 10 n.a.	14.1/20x11.8
	FIAT / MARELLI 9 927 796 723 650 10	**bulk** **4 4308 0**	packed by 10 n.a.	20.27/24x13,9
	FIAT / MARELLI 748 811 10 748 878 90	**bulk** **4 4311 0**	packed by 10 n.a.	12/16x12
	FIAT / MARELLI E70R D.E.	**bulk** **4 4312 0**	packed by 10 n.a.	8/12x 9.6
	FIAT / MARELLI E70R I.M.	**bulk** **4 4313 0**	packed by 10 n.a.	18.1/23x8.0
NEW	FIAT / MARELLI Starter Drive	**bulk** **4 4314 0**	packed by 10 n.a.	12.16/14.1x18
	FIAT / MARELLI E70R C.E.	**bulk** **4 4316 0**	packed by 10 n.a.	8/11.5-14.5x10
	FIAT / MARELLI M70R	**bulk** **4 4318 0** **limited stock**	packed by 10 n.a.	18.17/23.05x 9.2

Original	IKA-No.	IKA-No.	Dimensions
FORD-VISTEON	**bulk**	packed by 10	
PMGR	**4 4272 0**	n.a.	8.1/12.45x10
97BB-11000-BB,BC			

Original	IKA-No.	IKA-No.	Dimensions
HITACHI 2114-44101	**bulk** **4 4443 0**	packed by 10 n.a.	18.1/22.04x6.8
HITACHI 2114-5352 PAL 323 622 640 853 Skoda Favorit	**bulk** **4 4454 0**	packed by 10 n.a.	12.5/16.0x12
HITACHI 2114-4661 2114-5661	**bulk** **4 4455 0**	packed by 10 n.a.	12.5/16.0x15
HITACHI 2114-2601 2120-2601 Nissan 23319-37502	**bulk** **4 4471 0**	packed by 10 n.a.	14.0/18.0x20
HITACHI 2114-1353	**bulk** **4 4485 0**	packed by 10 n.a.	12.05/15.55x5.5

Original	IKA-No.	IKA-No.	Dimensions
LUCAS 253.316 TCB 124	**bulk** **4 4403 0** **limited stock**	packed by 10 n.a.	19/20.6x17.8
LUCAS 54.255.966 TCB 118 part of kit	**bulk** **4 4409 0**	packed by 10 n.a.	17.1/21x22.2
LUCAS 54.256.151	**bulk** **4 4410 0** **TCB 118** **part of kit**	packed by 10 n.a.	28.6/31.8-38.1x13
LUCAS 54.257.833	**bulk** **4 4411 0** **TCB 118** **part of kit**	packed by 10 n.a.	12.8/19.1x14
LUCAS 54.256.098 54.256.132	**bulk** **4 4414 0** **TCB 118** **part of kit**	packed by 10 n.a.	12.8/15.9x14

Original	IKA-No.	IKA-No.	Dimensions
MELCO Planetary Gear	**bulk** **4 4452 0**	packed by 10 n.a.	8.1/11.5x11.6
MELCO M409C12670	**bulk** **4 4458 0**	packed by 10 n.a.	11.0/14.0x13
MELCO M409C12970 M409D30201 M649D 30201	**bulk** **4 4464 0**	packed by 10 n.a.	10.0/14.0x13.5
MELCO M409C32370	**bulk** **4 4465 0**	packed by 10 n.a.	12.0/16.0x9.5
MELCO M409C12870	**bulk** **4 4470 0**	packed by 10 n.a.	10.0/14.0x9.5
MELCO M409X32571	**bulk** **4 4484 0**	packed by 10 4 4484 1	10.0/13.0-16.0x10.5

Original	IKA-No.	IKA-No.	Dimensions
PAL MAGNETON AVIA 390 905 551 PAST. T815 bronce	**bulk** **4 4242 0**	packed by 10 n.a.	22.04 /26.03x27.4
PAL MAGNETON 323 125 527 127 AVIA CE 360 904 551	**bulk** **4 4240 0**	packed by 10 n.a.	14.54 /18.03x14.8
PAL MAGNETON 323 125 436 125 AVIA IM 397 907 552	**bulk** **4 4241 0**	packed by 10 n.a.	19.06 /22.53x13.9
PAL MAGNETON 323 125 527 131 AVIA DE 360 904 550	**bulk** **4 4243 0**	packed by 10 n.a.	14.54 /18.03x16.8
PAL MAGNETON 323 125 723 125 SKODA 103 903 552	**bulk** **4 4247 0**	packed by 10 n.a.	12.56 /16.6x14
PAL MAGNETON 323 622 642 933 SKODA FAVORIT 114 904 550	**bulk** **4 4248 0**	packed by 10 n.a.	10/14x15

Original	IKA-No.	IKA-No.	Dimensions
REMY US	**bulk**	packed by 10	
1943628	**4 4207 0**	n.a.	14.31/19.11x19.2
	35MT/37MT/40MT		

Original	IKA-No.	IKA-No.	Dimensions
VALEO 600 609	**bulk** **4 4253 0** **limited stock**	packed by 10 n.a.	13/15x14,5
VALEO 030828 DUCELLIER 094 909 604 541	**bulk** **4 4259 0**	packed by 10 4 4259 1	15.95/19.15x14
VALEO 028 936 068 888	**bulk** **4 4260 0**	packed by 10 n.a.	16.2/19.15x15
VALEO 600 628 602 039	**bulk** **4 4263 0**	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	**bulk** **4 4264 0**	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	**bulk** **4 4265 0**	packed by 10 4 4265 1	12.05/15.05x15
VALEO 068 763, 050 531 PARIS RHONE 096 485 FEMSA 3305-89 ROMANIAN 2130510	**bulk** **4 4351 0** **limited stock**	packed by 10 4 4351 1	14/18x16
VALEO 050488	**bulk** **4 4352 0** **limited stock**	packed by 10 4 4352 1	20/24x12
Valeo 047 852 DUCELLIER 604 521 PARIS RHONE 47 852 FIAT / MARELLI 850 208 747 058 10	**bulk** **4 4354 0**	packed by 10 4 4354 1	14/18x20
VALEO 105 464	**bulk** **4 4371 0**	packed by 10 4 4371 1	10/13x13
VALEO 105 715	**bulk** **4 4372 0**	packed by 10 4 4372 1	10/13x16
VALEO Starter Drive MITSUBISHI Starter Drive	**bulk** **4 4380 0**	packed by 10 n.a.	12/14x20

Original	IKA-No.	IKA-No.	Dimensions
VALEO	**bulk**	packed by 10	
D6RA DE	**4 4501 0**	4 4501 1	12/15x10
VALEO	**bulk**	packed by 10	
D6RA IM	**4 4502 0**	n.a.	18/22x5
VALEO	**bulk**	packed by 10	
D6RA CE	**4 4503 0**	n.a.	6/10.0-13.7x 8
VALEO	**bulk**	packed by 10	
D6RA DS	**4 4504 0**	n.a.	6/9x7 Planetary Gear inside
VALEO	**bulk**	packed by 10	
D7R IM	**4 4505 0**	n.a.	20/24x5
VALEO	**bulk**	packed by 10	
D7R DS	**4 4506 0**	4 4506 1	7/10x6.1
VALEO	**bulk**	packed by 10	
D6RA Gear Wheel	**4 4507 0**	n.a.	4/7x7
VALEO	**bulk**	packed by 10	
D6G DS	**4 4508 0**	n.a.	5/9x7 mm Planetary Gear inside
	limited stock		

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NADELLAGER

NEEDLE BEARINGS

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IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 2256 0	INA	HK 0608	06.00 / 10.00 x 08.00	0 001 106 011, 012, 014-017, 019, 022, 023, 024
	Bosch	1 000 917 001		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,
	Ford	E90F-11448-BA		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
		F8RU-11448-AA		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
	Valeo	571234		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
8 2258 0	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
	Bosch	1 000 917 002		0 001 117 008
	Valeo	571396		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
8 2260 0	INA	HK 0509	05.00 / 09.00 x 09.00	0 001 107 072
	Bosch	3 130 910 003		0 001 109 001, 003, -005, 017, 025, 026, 042, 055, 056, 079,
		9 001 140 359		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
	KIA	39111-03635		082, 089, 092, 095, 102,
	Valeo	185468		115, 124-127, 138
		556255		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
8 2269 0	INA	HK 0408	04.00 / 08.00 x 08.00	D6RA67,- 81,- 91,- 100, -114
	Valeo	186663		D6RA167,-181
				D6RADP183,-359
8 4077 0	Bosch	2 006 209 606 Kit	25.00 / 32.00 x 10.00	0 001 241 001,008,012,019,021,022,
		6 033 AD5 359 Kit		024,026,119,128
	INA	F-575702		0 001 261 003-006,012,013,023,025-028,
	DAF	1875154, 1897519, 1961371		041,044-047,049,069-072,
	MAN	51 26213 0015		085-088
	Opel	1886325, 2119218		0 399 504 011
				HFX95-L 24V(R)
				HEF95-L 24V(R)
				HX95-L 24V(R)
				planetary gear 2 007 010 170
				planetary gear 0 399 520 001
8 4079 0	INA	HK 1210	12.00 / 16.00 x 10.00	0 001 107 037, 048, 056, 100, 101, 108
		F-232542		0 001 108 115, 145, 147, 157, 168, 169
		FC-66624		0 001 109 014, 015, 023, 025, 030, 031,
	Bosch	9 001 140 384		033-036, 040-042, 045, 046,
	Ford	C6VF-11135-A		048, 052, 055, 061-063, 068,
		C6VY-11135-A		069, 070, 200, 201, 250, 252,
		D6AF-11448-AA		253, 256, 262-274, 300-303,
		D6AZ-11135-A		306, 307
		E4FZ-11135-A		0 001 110 039, 040, 043, 044, 051, 053,
	Marelli	83222270		054, 064, 065, 067, 088, 104,
	Remy	9440923		105, 110, 112, 113, 130, 131,
	Valeo	185936		0 001 111 002
		553768		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,

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				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,
8 4090 0	Bosch	1 000 917 009 1 000 917 010 1 000 917 012	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
	INA	F-235208/.02/.04 F-600387		
	VAG	020 911 115 A 020 91 55 02M 911 155 B		
8 4091 0	Bosch	9 003 330 901	10.00 / 17.00 x 12.00	9 000 331 201
	INA	NK 10/17 TN		
8 4092 0	Bosch	2 000 910 013	15.87 / 23.80 x 21.90 (closed)	0 001 370 003,004 0 001 371 004-010,012-020
	INA	F-220469		
8 4094 0	Bosch	1 000 917 007 6 033 AC0 352 6 033 AD6 141 Kit	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
	INA	F-229411,-KLM HK 3016 B		
8 4095 0	INA	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, 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
	Bosch	1 000 917 000,005		

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 4096 0	INA	HK 1010		0 001 106 023,024
	Bosch	1 000 917 003	10.00 / 14.00 x 10.00	0 001 107 030,059,064,075,078-080,
		0 399 C74 008		082,088,102,433,434,440,
	Marelli	708 040 060	alternative product for	441,448,449,452,453,
	Valeo	185951	bushing 4 4056 0	459-462,476-479,514,
				529-531,538,539
				0 001 108 068,069,103,104,123,134,
				150,153,160,167,170,172,
				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,
				450,451,456,457,466,467,
				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
				0 399 703 010,011,038-041,089,090
				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
8 4097 0	Bosch	1 000 917 004	10.00 / 14.00 x 14.00 closed	0 001 106 406,404
	INA	HK 1014 RS		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,
				0 001 111 008, 009
				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
				0 001 316 006
				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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 4099 0	INA	HK 1216 2RS	12.00 / 18.00 x 16.00	0 001 218 157, 757
	Bosch	9 003 330 903		0 001 223 001, 009, 010, 014, 021
		6 033 AC0 105		0 001 230 002, 003, 014, 025
	DAF	1810253		0 001 231 028, 045
	Valeo	571321		0 001 251 007, 008
				0 001 260 001
				F 002 G20 904
				F 002 G70 022, 156, 205, 276, 344, G70 353, 370, 438, 450, 488, G70 614, 653, 691, 693
8 4207 0	Remy	7451787	17.00 / 23.80 x 31.80 closed	20SI,27SI Type 200
		9437171		1100 056,057,061,062,066, 067,071-073,075-078, 080-083,086,087
	INA	FC-66217		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
8 4208 0	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
8 4209 0	Bosch	1 000 917 008	05.00 / 08.52 x 06.86	0 001 107 404,405,410,418,429, 435,437,440,441,501,502
	INA	F-231294		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
8 8118 0	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
8 8200 0	Lucas	54160827	17.00 / 23.80 x 17.40 closed	A127
		54207267,-268		24145A,-D,24156A,-D,24157A,-D
		UMB 113		24158A,-D,24161A.-D
	Remy	943 6831,-7305,-8527		10SI,12SI,15SI,17SI,27SI
		9441879		1047 9823,9825-9827,9832-9834, 9858,9860,9862,9864-9869, 9915,9916
	Ford	D20Z-10A304-A		
	INA	BCH-06604 closed		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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 8277 0	Lucas	54207451	17.00 / 23.80 x 17.40 open	A127 w. vacuum pump
		UMB 115,129		24188,-A,-C, 24230,-A,-B, 24246A,
	Remy	9437 221,-222		24256A,-C, 24264,-A, 24273A, 24274A,
				24277A, 24293, 24294A, 24316, 24374
	INA	BCH-06604 open		10DN series
		SCH FC-65177		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
8 8314 0	Melco	S933P70605,-70669	10.00 / 15.00 x 15.00 closed	M0T83481, 90781
		TLAM101515UE09		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,
				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
8 8663 0	Bosch	2 000 910 015	16.00 / 23.85 x 18.95	0 001 372 001-008
	INA	F-220469.1		
8 8665 0	Bosch	2 000 910 012	22.00 / 28.00 x 16.00	0 001 370 001-004
	Ford	BE9H-11052-B		0 001 371 001,004-010,012-020
		TN49-11339-A		0 001 372 001-008
	Hitachi	2114-1411		9 000 453 029,064-068
	INA	F-230978		
		HK 2216 2RS		
8 8668 0	Valeo	185 467	10.00 / 14.00 x 12.00	D7G11
	INA	HK 1012 RS		D7R1, -2, -3, -4, -8, -13, -16, -17
				D7R17, -18, -20, -25, -40, -45, -61
				TS12E10
				M1T93071, -ZC, M1T93171ZC

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
				M1T93371, 93571 M9T60471, 60672 M9T61171, 61571 MD329260
8 8671 0	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
8 8673 0	INA Bosch	HK 0810 9 003 330 906	08.00 / 12.00 x 10.00	0 001 230 006, 012, 014 0 001 231 002, 003, 004, 008, 009, 011, 013, 014, 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
8 8674 0	INA Remy Valeo	HK 0808 9441510 190053	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 PG 100, PG 150
8 8675 0	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
8 8681 0	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
8 8684 0	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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 8693 0	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 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
NEW **8 8695 0**	Denso Hino John Deere	949105-0130 282521400 RE39251	17.00 / 24.00 / 20.00	
8 8829 0	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
8 8981 0	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
8 8982 0	Melco INA	 HK 1414 2RS	14.00 / 20.00 x 14.00 closed	M1T93171
8 8983 0	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

IKA-No.	Original	References	Dimensions mm	Unit-Nos.
8 8989 0	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 9020 0	NTN	DCL108 AC158206127	15.87 x 20.63 x 12.70	

8

REPARATURSÄTZE UND BUCHSENSÄTZE

REPAIRKITS AND BUSHING-KITS

KITS DE REPARATION ET JEUX DES BAGUES

GE
BE

GE
BE

IKA-No.	Original	Qty.	References	Unit-Nos.
0 3811 1	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	
0 3812 1	Bosch	1	Kit 0 3811 1	0 001 410 ... 411
		1	2 007 014 070	414 ... - 417
	w. brush set			KB-Starter
	BSX 148			24 Volt
0 3813 1	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
0 3879 1		1 Kit	0 3814 1	0 001 416 …
		1 Relais	0 331 101 006	0 001 417 ...
	Kit	1 Relais	0 331 450 001	
	w. relais+clutch	1 Clutch	2 006 401 527	
4 4601 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, 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
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

IKA-No.	Original	Qty.	References	Unit-Nos.
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 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	
		1	1 000 301 054 PG	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	1 000 301 055 Shaft	
				0 001 109 012,057,058,202,203
				0 001 110 009,010,022,023,028,041,042,045,046,055,090,115,120
				0 001 111 004
				0 001 115 042
				same application as 4 4602 1 with additional shaft-bushing
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

IKA-No.	Original	Qty.	References	Unit-Nos.
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 = 8 4079 0	0 001 218 001-031,100-115,118-131,133-147,150-168,170-178
		1	1 000 322 005 CE = 4 4005 0	0 001 219 001,004,007-017,112
		1	1 000 301 054 L = 4 4052 0	6 033 AB1 J00
		1	1 000 301 055K Shaft = 4 4057 0	9 000 331 201,203
		1	9 001 140 347 = 4 4077 0	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 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	

IKA-No.	Original	Qty.	References	Unit-Nos.
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 4636 1	Bosch	1	1 000 917 009,010,012 DE	0 001 121 032,033
		1	1 000 301 056 CE	0 001 122 201,202
		1	1 000 301 054 PG	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 4641 1	Bosch	1	2 000 301 019 DE	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
		1	2 000 301 041 IM	
		1	2 000 301 043 CE	
				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 4679 1	Bosch	1	2 000 301 015 DE	0 001 410..../411...
		1	2 000 301 016 CE	0 001 414.... - 417....
				KB 24V
4 4680 1	Bosch	1	2 000 301 036 DE	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
		1	1 000 301 011 CE	
				0 001 211 207,215,229,241,242,246,512,514,535,536
				EF 12 V
4 4683 1	Bosch	1	2 000 301 000 DE	0 001 359....
		1	2 000 301 041 IM	0 001 360....
		1	1 900 301 420 CE	JD 12 V / 24 V

IKA-No.	Original	Qty.	References	Unit-Nos.
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 4584 1	FBH-32	1	2114-5352	Hitachi S114-850
	no	1	2114-44101	Opel Astra D
	no	1	2114-1353	Corsa D

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	748 811 10/748 878 90	632 207 00,01,02,05,06,21,23,24,31,43
		1	4 114 442 / 748 603 80	632 208 03,04,06
				632 209 00,01,31
				E84
4 4671 1	Marelli / Fiat	1	9 927 787 / 723 625 10	632 167 01-04,06,08,10,25-27,31,33,40,41,47,48,63
		1	9 927 789 / 723 629 10	
		1	9 927 796 / 723 650 10	MT67 24V

IKA-No.	Original	Qty.	References	Unit-Nos.	
4 4570 1	FBM-39	1	Melco M409C12970	Nissan	23319-M8011
	FBM-45	1	M409C32401		23338-01N10
			M409X32571	Mitsubishi	MD607892
					MD618334

IKA-No.	Original	Qty.	References	Unit-Nos.
0 3791 1	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	
0 3798 1	Valeo	1	PS 148	D6RA...
		1	PS 149	w/o. D6RA8,-10
	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	
0 3799 1	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	
0 3818 1	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	
0 3820 1	Valeo	1	1 x PS 148	D6RA...
		1	1 x PS 149	w.o. D6RA8,-10
	Kit	1	1 x Spring PF 4849 (R16)	
	D6RA(3)	3	3 x Bushings	
		2	2 x Insulations	
0 3821 1	Valeo	1	PS 146	D6RA 8/10
		1	PS 147	
	Kit	1	Spring PF 4647	
	D6RA8/10(3)	3	Bushings	
		2	Insulations	

IKA-No.	Original	Qty.	References	Unit-Nos.
0 3822 1	Valeo	1	PS 148	D6RA...
		1	PS 149	w./o. D6RA8,-10
	Kit	1	Spring PF 4849	
	D6RA(3)	1	Brushholder D6RA	
	w. brush holder	3	Bushings	
		2	Insulations	

4 4645 1	Valeo	1	105 464	D9R
		1	105 465	
		1	105 715	

4 4647 1	Valeo	1	20/24x5.0 IM	D7R8/9/12
		1	7/10x6.1 DS	
		2	185 951 CE/DE	

4 4648 1	Valeo	1	20/24x5.0 IM	D7R5
		1	7/10x6.1 DS	
		1	185 936 DE	
		1	185 951 CE	

4 4649 1	Valeo	1	185 951 DE	D7R1-4,11,15
		1	97.726 CE	
		1	20/24x5.0 IM	
		1	7/10x6.1 DS	

4 4650 1	Valeo	1	12/15x10 DE	D6RA 4 bushes
		1	18/22x 5 IM	
		1	6/10-13.7x8 CE	
		1	6.1/9.1x 7 DS	

IKA-No.	Original	Qty.	References		Unit-Nos.	
4 4651 1	Valeo	1	12/15x10	DE	DR6RA	3 bushes
		1	18/22x 5	IM		
		1	6/10-13.7x 8	CE		
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

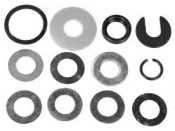
VARIOUS STARTER PARTS

DIVERSES PIECES DE DEMARREURS

GE
BE

GE
BE

	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 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 3370 0	Bosch	2 000 105 040 Clutch Washer KB	0 001 410 …/ 411 …/ 413 …/ 414 … 415 …/ 416 …/ 417 …/ 418 … 9 000 084 …

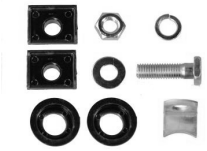
	IKA-No.	Original	References	Unit-Nos.
	**4 3395 0**	Bosch	2 007 010 007 Small Parts Kit JD/JF	0 001 354…/359…/360…/362…/363… 0 001 364…/365…/366…/367…/368… 0 001 369…
	4 3396 0	Bosch	Small Parts Kit KB 2 000 105 040 x 1 2 000 109 008 x 2 2 000 210 014 x 1 2 000 212 000 x 1 2 004 650 030 x 1 2 000 500 084 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.
	4 7148 0	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…
	7 7051 1	Bosch	Field Coil Connector 10 mm² x 105/90 mm	
	7 7052 1	Bosch	Field Coil Connector 8 mm² x 105/90 mm	
	7 7055 1	Bosch	Field Coil Connector 8 mm² x 75/60 mm	
	7 7056 1	Bosch	Field Coil Connector 6 mm² x 45/30 mm	
	7 7057 1	Bosch	Field Coil Connector 6 mm² x 60/45 mm	

	IKA-No.	Original	References	Unit-Nos.
	7 7058 1	Bosch	Field Coil Connector 8 mm² x 55/40 mm	
	7 7060 1	Bosch	Field Coil Connector 16 mm² x 90/75 mm insulated w. grommet	0 0001 218...
	7 7062 1	Bosch	Field Coil Connector 10 mm² x 75/60 mm	
	7 7063 1	Bosch	Field Coil Connector 16 mm² 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

	IKA-No.	Original	References	Unit-Nos.
	4 3479 0	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
	4 3480 0	Denso	053660-0401, -0402 -7100, -7250 -7260, -7710 Plunger	028000-7370, -7791, -9260
	4 3481 0	Denso	021660-0440 053660-0441,-0442,-0443, -0660,-7111,-7170 Plunger	028000-5510, -6290, -6870
	4 3482 0	Denso	053660-7120, -7121 053680-7120 Plunger	128000-6810,-6811,-6812, -7002,-7120,-7122, -7140,-7500,-7560, -7713,-8210,-8321, -8460,-8470,-8480
	4 3483 0	Denso	053660-7240,-7241 Plunger	228000-2120, -2680, -2690, -2700, -2860, -2980, -2990, -3260, -3840, -3850, -3851
	4 3521 0	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 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 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

	IKA-No.	Original	References	Unit-Nos.
	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 0774 2	Valeo	Spring-Kit D7R Brush Holder 7 7157 1	D7R all units
	4 0775 2	Valeo	Spring-Kit PSX 146-147 Brush Holder 7 7150 1	D6RA 8,10
	4 0776 2	Valeo	Spring-Kit PSX 148-149 Brush Holder 7 7151 1	D6RA all units w. exception of D6RA8/10 see 4 0775 2
	4 1001 0	Valeo	Stop Collar Kit 594084	D6RA…
	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 3844 0	Valeo	Field Case	D6RA SIH anticlock rotation

IKA-No.	Original	References	Unit-Nos.
4 7154 0	Valeo	Lever	D7R..

7 7070 1	Valeo	Field Coil Grommet fits Brush Holders 7 7159 1 , 7 7165 1	D7E ...

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ABMESSUNGEN

SURVEY

CLASSEMENT PAR ALESAGES

GE
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GE
BE

SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN
SELF LUBRICATING BUSHINGS SURVEY (mm)

Abmessungen Dimensions in mm			IKA-No. bulk	Hersteller Producer
04.00	/ 07.00	x 07.00	**4 4507 0**	VALEO
05.00	/ 09.00	x 07.00	**4 4508 0**	VALEO
06.00	/ 09.00	x 07.00	**4 4504 0**	VALEO
06.00	/ 10.00-13.70	x 08.00	**4 4503 0**	VALEO
06.90	/ 09.45-13.00	x 09.25	**4 4509 0**	DENSO
07.00	/ 10.00	x 06.10	**4 4506 0**	VALEO
07.00	/ 11.90	x 10.00	**4 4273 0**	FORD
07.05	/ 09.40	x 08.25	**4 4510 0**	DENSO
08.00	/ 11.50-14.50	x 10.00	**4 4316 0**	FIAT / MARELLI
08.00	/ 12.00	x 09.60	**4 4312 0**	FIAT / MARELLI
08.06	/ 11.12	x 08.00	**4 4054 0**	BOSCH
08.06	/ 11.12	x 08.00	**4 4054 0**	VALEO
08.06	/ 11.12	x 10.00	**4 4052 0**	BOSCH
08.10	/ 11.50	x 11.60	**4 4452 0**	MITSUBISHI
08.10	/ 12.45	x 10.00	**4 4272 0**	FORD
10.00	/ 13.00	x 12.00	**4 4257 0**	DUCELLIER
10.00	/ 13.00	x 13.00	**4 4371 0**	PARIS-RHONE
10.00	/ 13.00	x 16.00	**4 4372 0**	PARIS-RHONE
10.00	/ 13.00-16.00	x 10.50	**4 4484 0**	MITSUBISHI
10.00	/ 14.00	x 09.50	**4 4470 0**	MITSUBISHI
10.00	/ 14.00	x 13.50	**4 4464 0**	MITSUBISHI
10.00	/ 14.00	x 13.50	**4 4302 0**	FIAT / MARELLI
10.00	/ 14.00	x 13.50	**4 4302 0**	ISKRA
10.00	/ 14.00	x 13.50	**4 4302 0**	PAL MAGNETON
10.00	/ 14.00	x 15.00	**4 4301 0**	FIAT / MARELLI
10.00	/ 14.00	x 15.00	**4 4248 0**	PAL MAGNETON
10.00	/ 14.00-16.00	x 13.00	**4 4280 0**	FEMSA
10.00	/ 16.10	x 10.00	**4 4093 0**	BOSCH
10.06	/ 14.10	x 10.00	**4 4056 0**	BOSCH
10.06	/ 14.10	x 10.00	**4 4056 0**	VALEO
10.06	/ 16.60	x 10.50	**4 4061 0**	BOSCH
10.06	/ 16.60	x 11.50	**4 4077 0**	BOSCH
10.06	/ 16.60	x 11.50	**4 4077 0**	FIAT / MARELLI
10.06	/ 16.60-19.00	x 14.80	**4 4005 0**	BOSCH
10.07	/ 14.10	x 13.00	**4 4113 0**	BOSCH
11.00	/ 15.00	x 15.00	**4 4459 0**	HITACHI
11.00	/ 13.00	x 13.00	**4 4456 0**	MITSUBISHI
11.00	/ 13.50	x 09.00	**4 4072 0**	BOSCH
11.00	/ 14.00	x 13.00	**4 4458 0**	MITSUBISHI
11.06	/ 13.63	x 14.00	**4 4021 0**	BOSCH
11.10	/ 12.62	x 10.50	**4 4122 0**	BOSCH
11.10	/ 12.62	x 11.50	**4 4032 0**	BOSCH
11.50	/ 15.00	x 13.00/14.00	**4 4466 0**	HITACHI
11.60	/ 14.08	x 13.00	**4 4426 0**	ISKRA

Abmessungen Dimensions in mm			IKA-No. bulk	Hersteller Producer
12.00	/ 14.00	x 16.00	**4 4453 0**	MITSUBISHI
12.00	/ 14.00	x 20.00	**4 4380 0**	PARIS-RHONE
12.00	/ 14.00	x 20.00	**4 4380 0**	MITSUBISHI
12.00	/ 15.00	x 08.00	**4 4418 0**	LUCAS
12.00	/ 15.00	x 10.00	**4 4501 0**	VALEO
12.00	/ 15.00	x 12.00	**4 4264 0**	ISKRA
12.00	/ 15.00	x 12.00	**4 4264 0**	LUCAS
12.00	/ 15.00	x 15.00	**4 4265 0**	LADA
12.00	/ 15.00	x 16.70	**4 4400 0**	LUCAS
12.00	/ 15.05-18.00	x 16.00	**4 4350 0**	PARIS-RHONE
12.00	/ 16.00	x 09.50	**4 4465 0**	MITSUBISHI
12.00	/ 16.00	x 12.00	**4 4311 0**	FIAT / MARELLI
12.00	/ 16.00	x 14.00	**4 4300 0**	FEMSA
12.00	/ 16.00	x 14.00	**4 4300 0**	FIAT / MARELLI
12.00	/ 16.00	x 16.00	**4 4304 0**	FEMSA
12.00	/ 16.00	x 16.00	**4 4304 0**	FIAT / MARELLI
12.00	/ 16.00	x 16.00	**4 4304 0**	LADA
12.00	/ 16.00	x 16.00	**4 4304 0**	ISKRA
12.00	/ 16.00	x 24.00	**4 4305 0**	FEMSA
12.00	/ 16.00	x 24.00	**4 4305 0**	LADA
12.00	/ 16.00	x 24.50	**4 4305 0**	FIAT / MARELLI
12.05	/ 14.05	x 14.00	**4 4204 0**	DELCO
12.05	/ 15.05	x 12.00	**4 4264 0**	DUCELLIER
12.05	/ 15.05	x 12.00	**4 4264 0**	PARIS-RHONE
12.05	/ 15.05	x 12.00	**4 4264 0**	ROMANIAN
12.05	/ 15.05	x 15.00	**4 4063 0**	BOSCH
12.05	/ 15.05	x 15.00	**4 4265 0**	DUCELLIER
12.05	/ 15.05	x 15.00	**4 4265 0**	PARIS-RHONE
12.05	/ 15.05	x 15.00	**4 4265 0**	ROMANIAN
12.05	/ 15.55	x 05.50	**4 4485 0**	HITACHI
12.06	/ 16.12	x 14.00	**4 4012 0**	BOSCH
12.06	/ 16.12	x 16.00	**4 4011 0**	BOSCH
12.10	/ 13.62	x 11.50	**4 4009 0**	BOSCH
12.10	/ 13.62	x 13.50	**4 4053 0**	BOSCH
12.10	/ 13.62	x 18.80	**4 4066 0**	BOSCH
12.10	/ 14.12	x 12.00	**4 4123 0**	BOSCH
12.10	/ 14.12	x 13.00	**4 4123 0**	BOSCH
12.10	/ 14.12	x 14.00	**4 4136 0**	BOSCH
12.16	/ 14.10	x 18.00	**4 4314 0**	FIAT / MARELLI
12.50	/ 14.70	x 14.00	**4 4457 0**	DENSO
12.50	/ 15.50	x 10.50	**4 4462 0**	DENSO
12.50	/ 16.00	x 12.00	**4 4454 0**	HITACHI
12.50	/ 16.00	x 12.00	**4 4454 0**	PAL MAGNETON
12.50	/ 16.00	x 15.00	**4 4455 0**	HITACHI
12.50	/ 16.50	x 10.50	**4 4461 0**	DENSO
12.56	/ 16.60	x 08.00	**4 4071 0**	BOSCH
12.56	/ 16.60	x 10.00	**4 4062 0**	BOSCH
12.56	/ 16.60	x 11.50	**4 4004 0**	BOSCH
12.56	/ 16.60	x 14.00	**4 4002 0**	BOSCH
12.56	/ 16.60	x 14.00	**4 4247 0**	PAL MAGNETON
12.56	/ 16.60	x 15.80	**4 4000 0**	BOSCH
12.56	/ 16.60	x 18.00	**4 4103 0**	BOSCH
12.57	/ 18.54	x 19.80	**4 4306 0**	FIAT / MARELLI

SINTERBUCHSEN-PROGRAMM NACH ABMESSUNGEN
SELF LUBRICATING BUSHINGS SURVEY (mm)

Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer
12.16 / 14.10 x 18	**4 4314 0**	FIAT / MARELLI
12.70 / 14.35 x 17.40	**4 4417 0**	LUCAS
12.70 / 15.90 x 16.50	**4 4412 0**	LUCAS
12.80 / 15.90 x 14.00	**4 4414 0**	LUCAS
12.80 / 19.10 x 14.00	**4 4411 0**	LUCAS
13.00 / 15.00 x 12.00	**4 4263 0**	DUCELLIER
13.00 / 15.00 x 14.50	**4 4253 0**	DUCELLIER
14.00 / 18.00 x 15.00	**4 4351 0**	FEMSA
14.00 / 18.00 x 16.00	**4 4351 0**	DUCELLIER
14.00 / 18.00 x 16.00	**4 4351 0**	ROMANIAN
14.00 / 18.00 x 16.00	**4 4351 0**	PARIS-RHONE
14.00 / 18.00 x 18.00	**4 4353 0**	DUCELLIER
14.00 / 18.00 x 18.00	**4 4472 0**	HITACHI
14.00 / 18.00 x 18.00	**4 4353 0**	PARIS-RHONE
14.00 / 18.00 x 20.00	**4 4354 0**	DUCELLIER
14.00 / 18.00 x 20.00	**4 4354 0**	FIAT / MARELLI
14.00 / 18.00 x 20.00	**4 4471 0**	HITACHI
14.00 / 18.00 x 20.00	**4 4354 0**	PARIS-RHONE
14.00 / 20.00 x 10.00	**4 4080 0**	BOSCH
14.06 / 18.10 x 14.00	**4 4142 0**	BOSCH
14.06 / 20.03 x 17.00	**4 4137 0**	BOSCH
14.10 / 20.00 x 11.80	**4 4307 0**	FIAT / MARELLI
14.30 / 16.00 x 39.80	**4 4001 0**	BOSCH
14.36 / 16.04 x 10.00	**4 4023 0**	BOSCH
14.36 / 16.04 x 11.70	**4 4131 0**	BOSCH
14.36 / 16.04 x 20.50	**4 4144 0**	BOSCH
14.36 / 16.04 x 23.50	**4 4106 0**	BOSCH
14.40 / 17.50 x 22.20	**4 4415 0**	LUCAS
14.54 / 18.03 x 14.80	**4 4240 0**	PAL MAGNETON
14.54 / 18.03 x 16.80	**4 4243 0**	PAL MAGNETON
15.07 / 18.10 x 11.80	**4 4315 0**	FIAT / MARELLI
15.95 / 19.15 x 14.00	**4 4259 0**	DUCELLIER
15.95 / 19.15 x 14.00	**4 4259 0**	PARIS-RHONE
16.00 / 19.20 x 22.00	**4 4201 0**	DELCO
16.00 / 20.00 x 08.00	**4 4368 0**	PARIS-RHONE
16.00 / 20.00 x 10.00	**4 4355 0**	PARIS-RHONE
16.00 / 20.00 x 25.00	**4 4369 0**	PARIS-RHONE
16.20 / 19.15 x 15.00	**4 4260 0**	DUCELLIER
16.67 / 19.60 x 19.00	**4 4104 0**	BOSCH
17.00 / 21.00 x 24.00	**4 4361 0**	PARIS-RHONE
17.10 / 21.00 x 22.20	**4 4409 0**	LUCAS
17.61 / 21.62 x 09.50	**4 4022 0**	BOSCH

Abmessungen Dimensions in mm	IKA-No. bulk	Hersteller Producer
18.00 / 22.00 x 05.00	**4 4502 0**	VALEO
18.03 / 22.12 x 06.50	**4 4057 0**	BOSCH
18.03 / 22.12 x 08.00	**4 4055 0**	BOSCH
18.10 / 22.04 x 06.80	**4 4443 0**	HITACHI
18.10 / 23.00 x 08.00	**4 4313 0**	FIAT / MARELLI
18.17 / 23.05 x 09.20	**4 4318 0**	FIAT / MARELLI
19.00 / 20.60 x 17.80	**4 4403 0**	LUCAS
19.06 / 22.53 x 13.90	**4 4241 0**	PAL MAGNETON
19.09 / 23.10 x 10.00	**4 4126 0**	BOSCH
19.09 / 23.10 x 13.00	**4 4141 0**	BOSCH
19.09 / 25.10 x 10.00	**4 4102 0**	BOSCH
19.20 / 31.80 x 10.20	**4 4205 0**	DELCO
20.00 / 24.00 x 05.00	**4 4505 0**	VALEO
20.00 / 24.00 x 12.00	**4 4352 0**	PARIS-RHONE
20.00 / 24.00 x 16.00	**4 4363 0**	PARIS-RHONE
20.27 / 24.00 x 13.09	**4 4308 0**	FIAT / MARELLI
20.40 / 26.50 x 12.50	**4 4463 0**	HITACHI
21.03 / 24.67 x 25.90	**4 4245 0**	PAL MAGNETON
21.30 / 24.40 x 25.00	**4 4202 0**	DELCO
22.04 / 26.03 x 27.40	**4 4242 0**	PAL MAGNETON
22.05 / 26.05 x 05.20	**4 4444 0**	HITACHI
22.14 / 28.10 x 11.30	**4 4116 0**	BOSCH
23.04 / 27.03 x 19.80	**4 4244 0**	PAL MAGNETON
25.00 / 32.00 x 17.90	**4 4081 0**	BOSCH
26.12 / 30.13-33.00 x 11.50	**4 4013 0**	BOSCH
27.00 / 35.00 x 14.00	**4 4364 0**	PARIS-RHONE
28.50 / 32.30 x 11.00	**4 4082 0**	BOSCH
28.50 / 32.30 x 11.00	**4 4083 0**	BOSCH
28.60 / 31.80-38.10 x 13.00	**4 4410 0**	LUCAS
34.50 / 44.00 x 42.50	**4 4199 0**	BOSCH
40.00 / 48.00 x 10.50	**4 4115 0**	BOSCH

SPEZIAL NADELLAGER NACH ABMESSUNGEN
SPECIAL NEEDLE BEARINGS SURVEY (mm)

Abmessungen mm Dimensions mm				IKA-No. bulk	Hersteller Producer
04.00	/ 08.00	x	08.00	**8 2269 0**	VALEO
05.00	/ 08.52	x	06.86	**8 4209 0**	BOSCH
05.00	/ 09.00	x	09.00	**8 2260 0**	BOSCH
05.00	/ 09.00	x	09.00	**8 2260 0**	VALEO
06.00	/ 10.00	x	08.00	**8 2256 0**	BOSCH
06.00	/ 10.00	x	08.00	**8 2256 0**	FORD
06.00	/ 10.00	x	08.00	**8 2256 0**	VALEO
06.00	/ 10.00	x	09.00	**8 2258 0**	BOSCH
06.00	/ 10.00	x	09.00	**8 2258 0**	VALEO
08.00	/ 12.00	x	08.00	**8 8674 0**	DELCO
08.00	/ 12.00	x	08.00	**8 8673 0**	DELCO
08.00	/ 12.00	x	08.00	**8 8673 0**	MITSUBA
09.00	/ 13.00	x	10.00	**8 8675 0**	BOSCH
10.00	/ 14.00	x	10.00	**8 4096 0**	BOSCH
10.00	/ 14.00	x	10.00	**8 4096 0**	FIAT/MARELLI
10.00	/ 14.00	x	10.00	**8 4096 0**	VALEO
10.00	/ 14.00	x	12.00	**8 8668 0**	VALEO
10.00	/ 14.00	x	14.00	**8 4097 0**	BOSCH
10.00	/ 15.00	x	15.00	**8 8314 0**	MITSUBISHI
10.00	/ 15.00	x	15.40	**8 4210 0**	MITSUBISHI
10.00	/ 17.00	x	12.00	**8 4091 0**	BOSCH
11,50	/ 17.50	x	16.50	**8 8684 0**	DELCO
12.00	/ 16.00	x	10.00	**8 4079 0**	BOSCH
12.00	/ 16.00	x	10.00	**8 4079 0**	Delco
12.00	/ 16.00	x	10.00	**8 4079 0**	FIAT/MARELLI
12.00	/ 16.00	x	10.00	**8 4079 0**	FORD
12.00	/ 16.00	x	10.00	**8 4079 0**	LUCAS
12.00	/ 16.00	x	10.00	**8 4079 0**	VALEO
12.00	/ 16.00	x	14.00	**8 4095 0**	BOSCH
12.00	/ 17.00	x	12.00	**8 8305 0**	MITSUBISHI
12.00	/ 18.00	x	12.00	**8 8981 0**	FORD
12.00	/ 18.00	x	14.00	**8 4098 0**	FIAT/MARELLI
12.00	/ 18.00	x	16.00	**8 4099 0**	BOSCH
12.00	/ 18.00	x	16.00	**8 4099 0**	VALEO
12.50	/ 17.00	x	17.00	**8 8315 0**	DENSO
14.00	/ 19.00	x	12.00	**8 8161 0**	MITSUBISHI
14.00	/ 20.00	x	14.00	**8 8982 0**	MITSUBISHI
14.29	/ 19.05	x	12.70	**8 4208 0**	FORD
15.00	/ 21.00	x	12.00	**8 8829 0**	HITACHI
15.00	/ 35.00	x	11	**8 8683 0**	VALEO
15.87	/ 23.81	x	21.90	**8 4092 0**	BOSCH
16.00	/ 20.70	x	19.00	**8 8664 0**	BOSCH
16.00	/ 23.85	x	18.95	**8 8663 0**	BOSCH
17.00	/ 23.80	x	17.40	**8 8200 0**	DELCO closed
17.00	/ 23.80	x	17.40	**8 8200 0**	FORD closed
17.00	/ 23.80	x	17.40	**8 8200 0**	LUCAS closed
17.00	/ 23.80	x	17.40	**8 8277 0**	LUCAS open
17.00	/ 23.80	x	31.80	**8 4207 0**	DELCO closed
17.46	/ 22.23	x	09.50	**8 8681 0**	FORD
17.46	/ 22.23	x	09.50	**8 8681 0**	MITSUBISHI
18.00	/ 24.00	x	12.00	**8 8118 0**	BOSCH
18.00	/ 24.00	x	12.00	**8 8118 0**	VALEO
18.00	/ 24.00	x	16.00	**8 8983 0**	BOSCH
19.05	/ 25.40	x	15.88	**8 8275 0**	BOSCH
20.00	/ 26.00	x	12.00	**8 8986 0**	HITACHI
20.50	/ 27.00	x	09.50	**8 8160 0**	MITSUBISHI
22.00	/ 28.00	x	12.00	**8 8671 0**	HITACHI
22.00	/ 28.00	x	16.00	**8 8665 0**	BOSCH

Abmessungen mm Dimensions mm				IKA-No. bulk	Hersteller Producer
26.10	/ 33.00	x	13.70	**8 8677 0**	VALEO
28.00	/ 35.20	x	14.62	**8 4090 0**	BOSCH
31.00	/ 37.00	x	16.00	**8 4094 0**	BOSCH
33.00	/ 48.00	x	15.00	**8 8693 0**	BOSCH

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333198	4 5172 1	154	333425	7 7504 1	89	333651	7 7261 1	121
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333208	4 5082 1	151	333499	7 7508 1	91	333653	7 7208 1	79
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335205	7 7221 1	80
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335206	7 7508 1	91
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335208	7 7522 1	93
335211	7 7812 1	112
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335219	4 6392 9	227
335221	7 7520 1	92
335222	7 7831 1	114
335232	4 5203 1	157
335324	4 6453 9	214
335486	7 7508 1	91
335495	7 7840 1	116
335507	7 7553 1	102
335512	7 7223 1	80
335645	4 5209 1	157
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335830	0 1153 1	21
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bsx132f4	0 1125 1	5
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BSX135-1454	0 1148 1	7
BSX137-1434	0 1149 1	7
BSX138-1424	0 1150 1	7
BSX1394	0 1151 1	8
BSX1404	0 1152 1	8
BSX1474	0 1155 1	8
BSX1484	0 1156 1	8

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BSX157-1584	0 1165 1	10
BSX159-1604	0 1166 1	11
BSX163-1644	0 1168 1	12
BSX1654	0 1169 1	12
BSX1664	0 1173 1	12
BSX170-1714	0 1171 1	12
BSX172-1734	0 1172 1	12
BSX175-1764	0 1175 1	13
BSX175-1764	0 1012 2	11
BSX1774	0 1174 1	13
BSX190-1914	0 1183 1	14
BSX192-1934	0 1184 1	14
BSX194-1954	0 1186 1	15
BSX1964	0 1187 1	15
BSX202-2034	0 1178 1	15
BSX204-2054	0 1197 1	16
BSX206-2074	0 1033 1	20
BSX208-2094	0 1096 1	17
BSX210-2114	0 1091 1	16
BSX212-2134	0 1092 1	16
BSX214-2154	0 1214 1	19
BSX216-2174	0 1094 1	16
BSX218-2194	0 1095 1	16
BSX344	0 1103 1	3
BSX354	0 1104 1	3
BSX434	0 1106 1	3
BSX444	0 1107 1	4
BSX494	0 1125 1	5
BSX524	0 1123 1	4
BSX704	0 1121 1	4
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BSX98F4	0 1124 1	4
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IKSX124	0 1669 1	43
IKSX13-144	0 1165 1	10
IKSX2-32	0 1770 1	56

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JSX162	0 1459 1	28
JSX194	0 1462 1	28
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JSX29-302	0 1469 1	29
JSX31-32	0 1470 1	29
JSX33-344	0 1471 1	29
JSX35-364	0 1472 1	30
JSX35-374	0 1473 1	30
JSX38-39-403	0 1474 1	30
JSX38-412	0 1475 1	30
JSX40-46-474	0 1477 1	31
JSX43-45-444	0 1478 1	31
JSX51-522	0 1480 1	31
JSX51-52-593	0 1485 1	31
JSX51-52-634	0 1486 1	31
JSX52	0 1451 1	28
JSX53-54	0 1481 1	31
JSX61-62-634	0 1487 1	32
JSX70-713	0 1481 1	31
JSX72-734	0 1491 1	33
JSX74-75-76-774	0 1492 1	33
JSX94	0 1454 1	28
LASX15-164	0 1608 1	39
LASX15-274	0 1609 1	39
LASX314	0 1614 1	39
LASX364	0 1615 1	39
LASX40-412p	0 1617 1	39
LASX424	0 1618 1	40
LASX43-442	0 1619 1	40
LASX73-412/1p	0 1621 1	40
MASX13-144	0 1663 1	42
MASX15-164	0 1664 1	42
MASX17-184	0 1665 1	42
MASX19-204	0 1666 1	42
MASX21-224	0 1668 1	42
MASX23-244	0 1669 1	43
MASX25-264	0 1670 1	43
MASX27-284	0 1671 1	43
PLSX2	0 1100 1	3
PLSX24	0 1100 1	3
PLSX34	0 1690 1	50
PLSX44	0 1691 1	50
PLSX54	0 1689 1	50
PSX108-1092	0 1760 1	55

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PSX119-1202	0 1760 1	55
PSX1254	0 1746 1	55
PSX1292/1P	0 1766 1	56
PSX1304	0 1766 1	56
PSX1324	0 1769 1	56
PSX1332	0 1770 1	56
PSX133K2	0 1763 1	56
PSX136-1374	0 1771 1	56
PSX138-1392	0 1775 1	56
PSX140-1414	0 1776 1	57
PSX142-1434	0 1779 1	57
PSX142-1444	0 1752 1	57
PSX144-145K	0 3778 1	58
PSX146-147K	0 3777 1	57
PSX148-157K	0 3779 1	58
PSX148-158K	0 3780 1	58
PSX1554	0 1728 1	59
PSX1564	0 1726 1	59
PSX1584	0 1752 1	57
PSX160 4	0 1735 1	59
PSX160-1644	0 1735 1	59
PSX1614	0 1737 1	59
PSX163-1644	0 1735 1	59
PSX166-1674	0 1743 1	60
PSX168-1674	0 1743 1	60
PSX169-1704	0 1745 1	60
PSX54-692	0 1769 1	56
PSX64-702	0 1742 1	55
PSX77-784	0 1759 1	55
PSX81-824	0 1746 1	55
PSX884	0 1756 1	55
RX1034	0 1256 1	52
RX1044	0 1280 1	52
RX1202	0 1250 1	51
RX1204	0 1251 1	52
RX1224	0 1280 1	52
RX122H4	0 1256 1	52
RX1246	0 1281 1	52
RX124H6	0 1257 1	52
RX128H6	0 1281 1	52
RX1344	0 1282 1	53
RX134H4	0 1259 1	53
RX1354	0 1283 1	53
RX135H4	0 1260 1	53

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RX1364	0 1259 1	53
RX1374	0 1260 1	53
RX604	0 1284 1	51
RX874	0 1287 1	51
RX954	0 1288 1	51
USX50-512	0 1354 1	61
USX50-514	0 1354 1	61
USX91-922	0 1367 1	61

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023740-0210	0 1997 1	25
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023801-0190	4 5163 1	159
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028017-19511	4 3522 0	311
028017-19512	4 3474 0	309
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028099-2620	0 1984 1	25
028099-2628	0 1984 1	25
028099-2670	0 1984 1	25
028099-2680	4 3531 0	311
028099-2690	4 3533 0	312
028099-2691	4 3533 0	312
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028099-3510	0 1985 1	25
028099-3550	0 1977 1	24
028099-3560	0 1988 1	26
028099-3570	0 1988 1	26
028099-3860	4 3531 0	311
028099-3950	0 1991 1	26

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028099-3980	0 1963 1	24
028099-5450	0 1938 1	23
028099-6180	0 1962 1	24
028099-6820	4 3525 0	311
028099-7210	4 3478 0	309
028099-7212	4 3478 0	309
028099-7220	4 3525 0	311
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028099-8672	4 3531 0	311
028099-8701	4 3531 0	311
028099-8960	4 3530 0	311
028099-8961	4 3530 0	311
028099-9130	4 3477 0	309
028099-9131	4 3477 0	309
028300-1730	4 5116 1	158
028300-1970	4 5201 1	159
028300-2011	4 5116 1	158
028300-2012	4 5116 1	158
028300-2017	4 5116 1	158
028300-2081	4 5204 1	160
028300-2220	4 5204 1	160
028300-3690	4 5185 1	159
028300-3691	4 5185 1	159
028300-3950	4 5185 1	159
028300-3952	4 5116 1	158
028300-3980	4 5204 1	160
028300-4011	4 5201 1	159
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028300-4550	4 5116 1	158
028300-4551	4 5116 1	158
028300-5090	4 5116 1	158
028300-5091	4 5116 1	158
028300-5380	4 5153 1	158
028300-5381	4 5153 1	158
028300-5450	4 5185 1	159
028300-6070	4 5193 1	159
028300-6690	4 5185 1	159

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028300-6960	4 5193 1	159
028300-7700	4 5143 1	158
028300-7790	4 5143 1	158
028300-8150	4 5143 1	158
028301-0010	4 5163 1	159
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028510-0460	0 1991 1	26
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028510-0580	0 1984 1	25
028510-0590	0 1984 1	25
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028510-0660	0 1991 1	26
028510-0750	0 1986 1	25
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028510-0760	0 1963 1	24
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028510-0880	7 7179 1	117
028510-5190	7 7181 1	117
028510-5190	7 7381 1	118
028510-5320	7 7214 1	117
028510-5320	0 1984 1	25
028510-5350	0 1984 1	25
028510-5390	7 7172 1	117
028510-5420	0 1984 1	25
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028510-6421	7 7377 1	118
028510-6440	7 7377 1	118
028510-6490	7 7377 1	118
028520-1090	0 1955 1	23
028530-0480	0 1935 1	23
028530-0932	0 1943 1	66
028530-1020	0 1943 1	66
028530-1030	0 1943 1	66
028530-1100	0 1955 1	23
028531-0110	0 1940 1	23
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028531-0350	0 1965 1	24
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028531-0490	0 1966 1	24

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028531-0840	0 1977 1	24
028531-0946	0 1984 1	25
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028531-7331	0 1491 1	33
028531-7331	0 1493 1	33
028531-7340	0 1491 1	33
028531-8791	0 1452 1	33
028531-8801	0 1452 1	33
028531-9380	0 1463 1	33
028531-9390	0 1463 1	33
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028531-9430	0 1465 1	33
028531-9440	0 1465 1	33
028531-9450	0 1465 1	33
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053400-3350	4 6296 9	196
053400-3370	4 6402 9	207
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053400-3810	4 6296 9	196
053400-3840	4 6310 9	206
053400-3890	4 6310 9	206
053400-3932	4 6310 9	206

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053400-5290	4 6394 9	207
053400-6090	4 6402 9	207
053400-6550	4 6310 9	206
053400-7130	4 6311 9	206
053400-7270	4 6310 9	206
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053400-8730	4 6311 9	206
053400-8750	4 6346 9	206
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053660-0402	4 3480 0	310
053660-0441	4 3481 0	310
053660-0442	4 3481 0	310
053660-0443	4 3481 0	310
053660-0660	4 3481 0	310
053660-7100	4 3480 0	310
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053660-7241	4 3483 0	310
053660-7250	4 3480 0	310
053660-7260	4 3480 0	310
053660-7710	4 3480 0	310
053680-7120	4 3482 0	310
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128099-6320	7 7608 1	119
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153400-3750	4 6381 9	206
28531-3510	0 1985 1	25
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28531-6420	0 1492 1	33
428000-0680	4 6224 9	205
428000-0960	4 6160 9	205
53660-0402	4 3480 0	310
949105-0130	8 8695 0	286

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NIP020CU	4 5168 1	159

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BSX 34	0 1103 1	3
BSX 35	0 1104 1	3
BSX 39	0 1105 1	3
BSX 43 (4)	0 1106 1	3
BSX 44 (4)	0 1107 1	4
BSX 70	0 1121 1	4
BSX 74	0 1123 1	4
BSX 75	0 1124 1	4
BSX 76	0 1125 1	5
BSX 96	0 1132 1	5
BSX 100	0 1136 1	6
BSX 101	0 1151 1	8
BSX 102	0 1138 1	6
BSX 104 (2)	0 1140 1	6
BSX 104 (4)	0 1125 1	5
BSX 105 (2)	0 1140 1	6
BSX 105 (4)	0 1125 1	5
BSX 106	0 1125 1	5
BSX 108	0 1107 1	4
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BSX 111	0 1136 1	6
BSX 112	0 1132 1	5
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BSX 116	0 1150 1	7
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BSX 125	0 1151 1	8
BSX 126	0 1124 1	4
BSX 127	0 1124 1	4
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BSX 131	0 1156 1	8
BSX 132	0 1125 1	5
BSX 134-144	0 1147 1	6
BSX 135-145	0 1148 1	7
BSX 136	0 1132 1	5
BSX 137-143	0 1149 1	7
BSX 138-142	0 1150 1	7
BSX 139	0 1151 1	8

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BSX 140	0 1152 1	8
BSX 147	0 1155 1	8
BSX 148	0 1156 1	8
BSX 149	0 1157 1	9
BSX 151	0 1158 1	9
BSX 151 S	0 1001 2	9
BSX 151/0	0 1159 1	9
BSX 152	0 1162 1	9
BSX 154	0 1157 1	9
BSX 155	0 1164 1	10
BSX 156	0 1157 1	9
BSX 157-158	0 1165 1	10
BSX 157-158 K	0 1167 1	10
BSX 159-160	0 1166 1	11
BSX 159-160 S	0 1011 2	11
BSX 161-162 S	0 1012 2	11
BSX 163-164	0 1168 1	12
BSX 165	0 1169 1	12
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BSX 177	0 1174 1	13
BSX 184-185	0 1088 1	14
BSX 190-191	0 1183 1	14
BSX 192-193	0 1184 1	14
BSX 194-195	0 1186 1	15
BSX 196	0 1187 1	15
BSX 198-199	0 1148 1	7
BSX 200-201	0 1188 1	15
BSX 202-203	0 1178 1	15
BSX 204-205	0 1197 1	16
BSX 206-207	0 1033 1	20
BSX 208-209	0 1096 1	17
BSX 210-211	0 1091 1	16
BSX 212-213	0 1092 1	16
BSX 214-215	0 1214 1	19
BSX 216-217	0 1094 1	16
BSX 218-219	0 1095 1	16
BSX 220-221	0 1096 1	17
BSX 222-223	0 1220 1	17

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BSX 226-227	0 1216 1	18
BSX 228-243	0 1027 1	18
BSX 228-243	0 1028 1	18
BSX 229-230	0 1216 1	18
BSX 231-232-215	0 1214 1	19
BSX 233 (6)	0 1211 1	20
BSX 234-235	0 1212 1	19
BSX 236	0 1211 1	20
BSX 237-238	0 1209 1	20
BSX 238	0 1209 1	20
BSX 239-240	0 1220 1	17
BSX 241-242	0 1033 1	20
BSX 258-259	0 1191 1	22
BSX 260	0 1135 1	22
BSX 29 (2)	0 1457 1	28
BSX 36	0 1156 1	8
BSX 49	0 1125 1	5
BSX 51 (2)	0 1457 1	28
BSX 52	0 1123 1	4
BSX 53 (2)	0 1140 1	6
BSX 53/59	0 1140 1	6
BSX 54 (2)	0 1140 1	6
BSX 54 (4)	0 1125 1	5
BSX 55-57	0 1100 1	3
BSX 56	0 1156 1	8
BSX 58	0 1100 1	3
BSX 59 (2)	0 1140 1	6
BSX 59 (4)	0 1125 1	5
BSX 60	0 1156 1	8
BSX 61 (2)	0 1140 1	6
BSX 61 (4)	0 1125 1	5
BSX 62	0 1669 1	43
BSX 66	0 1156 1	8
BSX 67	0 1668 1	42
BSX 69	0 1125 1	5
BSX 71	0 1138 1	6
BSX 72	0 1103 1	3
BSX 73	0 1156 1	8
BSX 77	0 1124 1	4
BSX 78	0 1124 1	4
BSX 79	0 1132 1	5
BSX 80	0 1124 1	4
BSX 81 (2)	0 1140 1	6
BSX 81 (4)	0 1125 1	5
BSX 83	0 1125 1	5

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BSX 84	0 1132 1	5
BSX 85	0 1136 1	6
BSX 86-87	0 1132 1	5
BSX 88	0 1106 1	3
BSX 92	0 1104 1	3
BSX 97	0 1151 1	8
BSX 98	0 1124 1	4
BSX 99	0 1156 1	8
FESX 16	0 1459 1	28
FESX 24	0 1457 1	28
FESX 6-7	0 1451 1	28
FESX 9	0 1457 1	28
FX 73	0 1529 1	34
FX 74	0 1530 1	34
FX 75	0 1524 1	34
FX 74-78	0 1530 1	34
HPIX 1 mot. directio	0 1800 1	65
HPIX 3	0 1802 1	65
HX 3	0 1795 1	62
HX 6 (2)	0 1785 1	62
HX 16	0 1794 1	62
HX 26	0 1796 1	62
HX 54	0 1793 1	62
HX 56 (2)	0 1786 1	62
HX 106	0 1798 1	63
HX 109	0 1797 1	63
HX 116	0 1790 1	63
HX 124	0 1791 1	63
HX 155	0 1788 1	63
HX 161	0 1799 1	63
HX 172	0 1789 1	64
HX 341	0 1792 1	64
HX 346	0 1787 1	64
IKSX 10-11	0 1668 1	42
IKSX 12	0 1669 1	43
IKSX 2-3	0 1770 1	56
IKSX 4	0 1451 1	28
IKSX 5-6	0 1670 1	43
IKSX 7	0 1173 1	12
IKSX 8-9	0 1173 1	12
JA-SX 1	0 1943 1	66
JA-SX 2	0 1946 1	66
JA-SX 10-11	0 1955 1	23
JA-SX 14 (4)	0 1940 1	23
JA-SX 15-6 (4)	0 1942 1	35

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JA-SX 22 (4)	0 1945 1	23
JA-SX 24-25	0 1979 1	49
JA-SX 31	0 1952 1	35
JA-SX 34-30	0 1934 1	35
JA-SX 35	0 1935 1	23
JA-SX 36-37	0 1937 1	35
JA-SX 38	0 1936 1	44
JA-SX 39	0 1938 1	23
JA-SX 39 C	0 1939 1	24
JA-SX 40-41	0 1953 1	44
JA-SX 42-43	0 1954 1	44
JA-SX 44-28	0 1941 1	44
JA-SX 45-46	0 1956 1	44
JA-SX 47-48	0 1957 1	45
JA-SX 49-61	0 1948 1	35
JA-SX 50-51	0 1961 1	36
JA-SX 52	0 1962 1	24
JA-SX 53	0 1963 1	24
JA-SX 54-55	0 1964 1	36
JA-SX 56-3	0 1959 1	36
JA-SX 56-3/0	0 1958 1	36
JA-SX 57-58	0 1960 1	36
JA-SX 59-60	0 1950 1	37
JA-SX 62	0 1965 1	24
JA-SX 63	0 1966 1	24
JA-SX 66-67	0 1969 1	37
JA-SX 68-73	0 1976 1	45
JA-SX 69-70 (3)	0 1970 1	45
JA-SX 69-70 (4)	0 1971 1	45
JA-SX 70	0 1967 1	46
JA-SX 71	0 1973 1	46
JA-SX 71-72	0 1972 1	46
JA-SX 74	0 1975 1	37
JA-SX 74-75	0 1974 1	37
JA-SX 77-78	0 1977 1	24
JA-SX 80-81	0 1982 1	37
JA-SX 82-83 (3)	0 1981 1	46
JA-SX 82-83 (4)	0 1983 1	47
JA-SX 84	0 1984 1	25
JA-SX 85	0 1985 1	25
JA-SX 86-87	0 1986 1	25
JA-SX 88	0 1988 1	26
JA-SX 89	0 1991 1	26
JA-SX 90	0 1989 1	47
JA-SX 91	0 1990 1	47

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JA-SX 92-93 12V	0 1992 1	38
JA-SX 94-95 24V	0 1993 1	38
JA-SX 96-97 24V	0 1995 1	47
JA-SX 98-99 12V	0 1994 1	47
JA-SX 105-106	0 1921 1	26
JASX 108	0 1346 1	67
JA-SX 110-111	0 1922 1	48
JASX 115-116	0 1348 1	27
JA-SX 14 (2)	0 1940 1	23
JA-SX 15-6 (2)	0 1942 1	35
JA-SX 16-17	0 1998 1	41
JA-SX 18-19	0 1996 1	23
JA-SX 21 (4)	0 1987 1	49
JA-SX 211	0 1344 1	67
JA-SX 23	0 1987 1	49
JA-SX 5-6	0 1942 1	35
JASX103-104	0 1932 1	48
JASX107	0 1345 1	67
JASX79	0 1997 1	25
JSX 5	0 1451 1	28
JSX 9	0 1454 1	28
JSX 13 (4)	0 1457 1	28
JSX 14	0 1455 1	28
JSX 16	0 1459 1	28
JSX 19	0 1462 1	28
JSX 21-22	0 1464 1	29
JSX 25-22	0 1467 1	29
JSX 26-27	0 1468 1	29
JSX 29-30	0 1469 1	29
JSX 31-32	0 1470 1	29
JSX 33-34	0 1471 1	29
JSX 35-36	0 1472 1	30
JSX 35-37	0 1473 1	30
JSX 38-39-40 (3)	0 1474 1	30
JSX 38-40-58 (4)	0 1482 1	30
JSX 38-41	0 1475 1	30
JSX 38-42	0 1476 1	30
JSX 40-46-47 (4)	0 1477 1	31
JSX 43-45-44 (4)	0 1478 1	31
JSX 51-52 (2)	0 1480 1	31
JSX 51-52-59 (3)	0 1485 1	31
JSX 51-52-63 (4)	0 1486 1	31
JSX 53-54	0 1481 1	31
JSX 61-62-63 (4)	0 1487 1	32
JSX 72-73 Denso P76	0 1491 1	33

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JSX 74-75-76-77 PA70	0 1492 1	33
JSX 80-81-82-83	0 1463 1	33
JSX 84-85-86-87	0 1465 1	33
JSX 13 (2)	0 1457 1	28
JSX 70-71	0 1481 1	31
JSX 73 (4)	0 1493 1	33
LASX 15-16	0 1608 1	39
LASX 15-27	0 1609 1	39
LASX 30-31-32	0 1613 1	39
LASX 31	0 1614 1	39
LASX 36	0 1615 1	39
LASX 40-41	0 1617 1	39
LASX 42	0 1618 1	40
LASX 43-44 w. termina	0 1628 1	40
LASX 43-44/0 w/o.term	0 1619 1	40
LASX 43-47-48 w.term.	0 1628 1	40
LASX 46-47-48	0 1619 1	40
LASX 73-41	0 1621 1	40
LASX 85-84	0 1611 1	40
LASX 37-38-39	0 1617 1	39
LASX 40-41 R	0 1617 1	39
LASX 73-41 R	0 1621 1	40
LASX 83-84	0 1611 1	40
MASX 3	0 1662 1	42
MASX 13-14	0 1663 1	42
MASX 15-16	0 1664 1	42
MASX 17-18	0 1665 1	42
MASX 19-20	0 1666 1	42
MASX 21-22	0 1668 1	42
MASX 23-24	0 1669 1	43
MASX 25-26	0 1670 1	43
MASX 27-28	0 1671 1	43
MASX 11	0 1103 1	3
MASX 12	0 1104 1	3
MASX 5	0 1106 1	3
MASX 6	0 1123 1	4
MASX 7	0 1123 1	4
MASX 9	0 1107 1	4
PLSX 3	0 1690 1	50
PLSX 4	0 1691 1	50
PLSX 5	0 1689 1	50
PLSX 2	0 1100 1	3
PSX 81-82	0 1746 1	55
PSX 88	0 1756 1	55
PSX 108-109	0 1760 1	55

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PSX 115-116	0 1757 1	55
PSX 115-116 K	0 1757 1	55
PSX 115-116 S	0 1757 1	55
PSX 115-116-121	0 1759 1	55
PSX 117-118	0 1759 1	55
PSX 119-120	0 1760 1	55
PSX 127	0 1760 1	55
PSX 128	0 1742 1	55
PSX 129	0 1766 1	56
PSX 130	0 1766 1	56
PSX 131	0 1770 1	56
PSX 132	0 1769 1	56
PSX 132 K	0 1769 1	56
PSX 133	0 1770 1	56
PSX 133 K	0 1763 1	56
PSX 133 S	0 1770 1	56
PSX 136-137	0 1771 1	56
PSX 138-139 (2)	0 1775 1	56
PSX 140-141 (4)	0 1776 1	57
PSX 142-143	0 1779 1	57
PSX 142-144	0 1752 1	57
PSX 142-145	0 1754 1	57
PSX 146-147 w/o. sprin	0 1783 1	57
PSX 146-147/0	0 1783 1	57
PSX 148-149	0 3778 1	58
PSX 148-149 w/o. sprin	0 1773 1	58
PSX 148-149/0	0 1774 1	58
PSX 148-157 w/o. sprin	0 1774 1	58
PSX 148-158 w/o. sprin	0 1768 1	58
PSX 148-159 w/o. sprin	0 1774 1	58
PSX 150-151	0 1779 1	57
PSX 155 (3)	0 1727 1	59
PSX 155 (4)	0 1728 1	59
PSX 156 (4)	0 1726 1	59
PSX 160-164 D7G c/w	0 1735 1	59
PSX 161	0 1737 1	59
PSX 163-164	0 1740 1	59
PSX 166-167	0 1743 1	60
PSX 169-170	0 1745 1	60
PSX 175-176-171	0 1758 1	60
PSX 177	0 1723 1	60
PSX 178	0 1722 1	60
PSX 179-180	0 1721 1	61
PSX 181-182	0 1725 1	61
PSX 183	0 1716 1	61

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PSX 28-73 (4)	0 1759 1	55
PSX 32-33	0 1757 1	55
PSX 33-62	0 1757 1	55
PSX 33-72 (2)	0 1757 1	55
PSX 35-36	0 1757 1	55
PSX 37-35 (2)	0 1757 1	55
PSX 37-58	0 1757 1	55
PSX 37-71 (2)	0 1757 1	55
PSX 37-71 (4)	0 1759 1	55
PSX 44-45	0 1760 1	55
PSX 44-75	0 1760 1	55
PSX 54-69 (2)	0 1769 1	56
PSX 55-76	0 1769 1	56
PSX 64 (4)	0 1742 1	55
PSX 64-70 (2)	0 1742 1	55
PSX 64-70 (4)	0 1742 1	55
PSX 64-95 (2)	0 1742 1	55
PSX 71-92	0 1757 1	55
PSX 77-78 (2)	0 1757 1	55
PSX 77-78 (4)	0 1759 1	55
PSX 79-80 (4)	0 1759 1	55
PSX 96-97	0 1746 1	55
PSX 98-99	0 1769 1	56
RX 60	0 1284 1	51
RX 70 (4)	0 1285 1	51
RX 87	0 1287 1	51
RX 92	0 1296 1	51
RX 95	0 1288 1	51
RX 120 (2)	0 1250 1	51
RX 120 (4)	0 1251 1	52
RX 120/0 (4)	0 1295 1	52
RX 122	0 1280 1	52
RX 122H	0 1256 1	52
RX 124	0 1281 1	52
RX 124H	0 1257 1	52
RX 134	0 1282 1	53
RX 134H	0 1259 1	53
RX 135	0 1283 1	53
RX 135H	0 1260 1	53
RX 419-420	0 1254 1	53
RX 457-458	0 1255 1	53
RX912	0 1253 1	54

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FBH 6	4 4354 0	274

FCC	IKA	PAGE
FBH 31	4 4455 0	269
FBH 32	4 4454 0	269
FBM 10	4 4464 0	271
FBM 36	4 4458 0	271
FBM 37	4 4470 0	271
FBM 38	4 4465 0	271
FBM 39	4 4464 0	271
FBM 45	4 4484 0	271
JHTSX 7 M	0 1942 1	35
JHTSX 8 M	0 1942 1	35
JHTSX 9 M	0 1959 1	36
JHTSX 11	0 1959 1	36
JHTSX 12 M	0 1952 1	35
JHTSX 17	0 1960 1	36
JHTSX 25	0 1992 1	38
JHTSX 28	0 1969 1	37
JHTSX 29	0 1993 1	38
JHTSX 31	0 1982 1	37
JHTSX 32	0 1992 1	38
JHTSX 33	0 1958 1	36
JHTSX 34	0 1993 1	38
JHTSX 36	0 1937 1	35
JHTSX 37	0 1974 1	37
JHTSX 38	0 1960 1	36
JHTSX 39	0 1937 1	35
JHTSX 40	0 1975 1	37
JHTSX 43	0 1934 1	35
JHTSX 44	0 1974 1	37
JHTSX 47	0 1948 1	35
JMTSX 11	0 1987 1	49
JMTSX 27	0 1967 1	46
JMTSX 30	0 1957 1	45
JMTSX 31	0 1957 1	45
JMTSX 36	0 1971 1	45
JMTSX 36 N	0 1970 1	45
JMTSX 37	0 1957 1	45
JMTSX 48	0 1936 1	44
JMTSX 49	0 1983 1	47
JMTSX 49 N	0 1981 1	46
JMTSX 54	0 1971 1	45
JMTSX 55	0 1994 1	47
JMTSX 56	0 1972 1	46
JMTSX 57	0 1995 1	47
JMTSX 58	0 1957 1	45
JMTSX 59	0 1989 1	47

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JMTSX 65	0 1973 1	46
JMTSX 66	0 1973 1	46
JNDSX 8	0 1935 1	23
JNDSX 12	0 1940 1	23
JNDSX 20	0 1965 1	24
JNDSX 25	0 1966 1	24
JNDSX 28	0 1935 1	23
JNDSX 31	0 1988 1	26
JNDSX 31 M	0 1988 1	26
JNDSX 32	0 1984 1	25
JNDSX 33	0 1991 1	26
JNDSX 34	0 1985 1	25
JNDSX 35	0 1977 1	24
JNDSX 36	0 1986 1	25
JNDSX 37	0 1963 1	24
JNDSX 39	0 1938 1	23
JNDSX 39 T	0 1939 1	24
JNDSX 41	0 1962 1	24
JNDSX 42	0 1955 1	23
JNKSX 20	0 1254 1	53
JNKSX 28	0 1997 1	25

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106688	4 5027 1	161
10670-F7RU	4 5027 1	161
1587259	8 8983 0	286
1587265	8 8693 0	286
6158987	8 4079 0	280
78HB-11448-AA	8 8693 0	286
78HB-1148-BA	8 8983 0	286
AU2-11395-A	8 4097 0	282
B6AZ 11450 A	4 6261 9	194
BA 116 Z	8 8681 0	285
BD7T 11450 A	4 6261 9	194
BE9H-11052-B	8 8665 0	284
BF6T-11135-B	8 4079 0	280
C3SF-10A304-A	8 8200 0	283
C4SF-10A304-A	8 8200 0	283
C5AF-10A304-A	8 8200 0	283
C5AZ-10A304-A	8 8200 0	283
C6VF-11135-A	8 4079 0	280
C6VY-11135-A	8 4079 0	280
C7AF 11450 A	4 6261 9	194
D2DZ 11450 A	4 6261 9	194
D2OF-10A304-A2A	8 8200 0	283

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D2OZ-10A304-A	8 8200 0	283
D6AF-11448-AA	8 4079 0	280
D6AZ-11135-A	8 4079 0	280
D9AZ 11450 A	4 6261 9	194
E4FZ-11135-A	8 4079 0	280
E5PF-11061-A	7 7525 1	129
E5PF-11434-AA	7 7525 1	129
E7GZ-11061-A	7 7183 1	126
E90F-11448-BA	8 2256 0	279
E90Z-11061-A	7 7211 1	121
E90Z-11061-B	7 7211 1	121
E90Z-11061-C	7 7211 1	121
E90Z-11135-A	4 4056 0	263
E90Z-11A165-A	4 2229 0	255
F32Z-11061-B	7 7188 1	127
F3RZ-11061-A	7 7212 1	121
F3RZ-11390-A	4 6115 9	208
F3RZ-11390-A	4 6122 9	208
F3RZ-11390-B	4 6122 9	208
F3RZ-11390-B	4 6115 9	208
F4BZ-11061-A	7 7183 1	126
F78Z-11390-A	4 6122 9	208
F78Z-11390-AA	4 6115 9	208
F7RU-11165-CA	4 2229 0	255
F7RU-11434-BA	7 7261 1	121
F7RU-11448-EA	8 8981 0	286
F8RU-11448-AA	8 2256 0	279
SCE 98	8 4208 0	283
SCE 116	8 8681 0	285
TN49-11339-A	8 8665 0	284
XS6U-11390-AA	4 6115 9	208
XS6U-11390-AA	4 6122 9	208

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F-141	0 1977 1	24
F-147	0 1952 1	35
FA-101	0 1969 1	37
FA-102	0 1969 1	37
FD-111	0 1940 1	23
FD-133	0 1945 1	23
FD-138	0 1965 1	24
FD-139	0 1965 1	24
FD-140	0 1966 1	24
FD-151	0 1962 1	24
FD-154	0 1984 1	25

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FD-155	0 1984 1	25
FD-156	0 1988 1	26
FD-157	0 1966 1	24
FD-158	0 1985 1	25
FD-159	0 1985 1	25
FD-160	0 1985 1	25
FD-161	0 1977 1	24
FD-162	0 1963 1	24
FD-163	0 1984 1	25
FD-165	0 1984 1	25
FD-166	0 1977 1	24
FD-167	0 1939 1	24
FD-168	0 1977 1	24
FD-169	0 1984 1	25
FD-170	0 1962 1	24
FD-171	0 1962 1	24
FE-123	0 1984 1	25
FE-124	0 1984 1	25
FE-143	0 1988 1	26
FE-167	0 1977 1	24
FF-110	0 1960 1	36
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FF-115	0 1940 1	23
FF-116	0 1940 1	23
FF-117	0 1969 1	37
FF-118	0 1969 1	37
FF-120	0 1969 1	37
FF-121	0 1969 1	37
FF-122	0 1969 1	37
FF-124	0 1939 1	24
FF-125	0 1984 1	25
FF-128	0 1985 1	25
FF-132	0 1984 1	25
FF-133	0 1963 1	24
FF-134	0 1985 1	25
FF-135	0 1984 1	25
FF-138	0 1961 1	36
FF-139	0 1961 1	36
FF-140	0 1961 1	36
FF-141	0 1961 1	36
FF-144	0 1961 1	36
FF-145	0 1961 1	36
FF-146	0 1984 1	25
FF-150	0 1969 1	37
FF-151	0 1969 1	37

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FF-155	0 1984 1	25
FF-156	0 1984 1	25
FF-157	0 1984 1	25
FF-158	0 1939 1	24
FF-319	0 1938 1	23
FH-123	0 1988 1	26
FH-125	0 1993 1	38
FH-126	0 1993 1	38
FH-145	0 1988 1	26
FI-001	0 1974 1	37
FI-002	0 1937 1	35
FI-003	0 1937 1	35
FI-025	0 1988 1	26
FI-027	0 1988 1	26
FI-029	0 1984 1	25
FI-030	0 1988 1	26
FI-040	0 1984 1	25
FI-041	0 1985 1	25
FI-046	0 1937 1	35
FI-051	0 1992 1	38
FI-052	0 1992 1	38
FI-053	0 1975 1	37
FI-054	0 1974 1	37
FI-055	0 1974 1	37
FI-056	0 1974 1	37
FI-061	0 1977 1	24
FI-062	0 1955 1	23
FI-063	0 1955 1	23
FI-064	0 1963 1	24
FI-065	0 1939 1	24
FI-066	0 1997 1	25
FI-067	0 1997 1	25
FI-068	0 1997 1	25
FI-069	0 1997 1	25
FI-080	0 1984 1	25
FI-081	0 1984 1	25
FI-085	0 1984 1	25
FI-086	0 1962 1	24
FI-109	0 1942 1	35
FI-110	0 1942 1	35
FI-118	0 1959 1	36
FI-119	0 1959 1	36
FI-120	0 1952 1	35
FI-125	0 1940 1	23
FI-126	0 1952 1	35

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FI-130	0 1992 1	38
FI-131	0 1992 1	38
FI-133	0 1960 1	36
FI-134	0 1960 1	36
FI-135	0 1959 1	36
FI-136	0 1959 1	36
FI-147	0 1952 1	35
FI-156	0 1963 1	24
FI-159	0 1993 1	38
FI-164	0 1952 1	35
FI-168	0 1969 1	37
FI-172	0 1992 1	38
FI-173	0 1992 1	38
FI-174	0 1993 1	38
FI-175	0 1993 1	38
FI-181	0 1993 1	38
FI-182	0 1993 1	38
FI-185	0 1993 1	38
FI-186	0 1993 1	38
FI-189	0 1969 1	37
FI-191	0 1977 1	24
FI-192	0 1969 1	37
FI-193	0 1969 1	37
FI-194	0 1982 1	37
FI-195	0 1982 1	37
FI-196	0 1937 1	35
FI-197	0 1937 1	35
FI-198	0 1934 1	35
FI-199	0 1934 1	35
FI-200	0 1974 1	37
FJ-002	0 1973 1	46
FJ-005	0 1973 1	46
FJ-007	0 1985 1	25
FJ-012	0 1972 1	46
FJ-016	0 1988 1	26
FJ-025	0 1995 1	47
FJ-026	0 1994 1	47
FJ-029	0 1939 1	24
FJ-030	0 1994 1	47
FJ-125	0 1935 1	23
FJ-126	0 1967 1	46
FJ-138	0 1940 1	23
FJ-149	0 1957 1	45
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SCE 98	8 4208 0	283
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16 900 117	4 5180 1	163
16 900 920	4 5003 1	144
16 905 218	0 1457 1	28
16 905 225	0 1451 1	28
16 905 226	0 1132 1	5
16 905 235	0 1165 1	10
16 905 247	0 1158 1	9
16 905 294	0 1138 1	6
16 905 338	0 1103 1	3
16 905 375	0 1148 1	7
16 905 376	0 1147 1	6
16 905 377	0 1670 1	43
16 905 378	0 1670 1	43
16 905 380	0 1136 1	6
16 905 387	0 1103 1	3
16 905 389	0 1104 1	3
16 905 392	0 1132 1	5
16 905 423	4 6356 9	215
16 905 439	0 1770 1	56
16 905 645	0 1670 1	43
16 905 688	0 1669 1	43
16 905 695	0 1668 1	42
16 905 767	0 1138 1	6
16 905 825	0 1151 1	8
16 905 950	0 1770 1	56
16 905 973	0 1670 1	43
16 906 368	0 1165 1	10

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16.908.999	4 6412 9	215
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17 120 057	4 4302 0	267
18 100 021	4 5000 1	144
18 100 098	4 5001 1	144
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200 606	4 4144 0	265
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200 612	4 4061 0	264
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200 616	4 4054 0	263
200 617	4 4052 0	263
200 618	4 4055 0	263
200 620	4 4004 0	263
200 623	4 4300 0	267
200 624	4 4053 0	263
200 625	4 4351 0	274
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200 632	4 4311 0	267
200 639	4 4464 0	271
200 640	4 4464 0	271
200 643	4 4458 0	271
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200 663	4 4454 0	269
200 680	8 4097 0	282
200 682	4 4505 0	275
200 683	4 4506 0	275
200 830	4 4265 0	274
200 834	4 4354 0	274
200 863	4 4004 0	263
200 864	4 4000 0	263
200 872	4 4103 0	264

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200 878	4 4351 0	274
200 889	4 4352 0	274
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54 207 267	8 8200 0	283
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54 207 451	8 8277 0	284
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54 244 979	0 1618 1	40
54 246 258	0 1619 1	40
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54 255 966	4 4409 0	270
54 256 098	4 4414 0	270
54 256 132	4 4414 0	270
54 256 151	4 4410 0	270
54 256 907	0 1613 1	39
54 257 833	4 4411 0	270
54 258 592	0 1614 1	39
54 259 517	0 1615 1	39
54 269 480	4 4264 0	274
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54247187	4 5158 1	164
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54294922	4 5161 1	164
54TMB115	4 5158 1	164
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7170015	8 4097 0	282
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7170017	8 8663 0	284
7170020	8 2269 0	280
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7170023	8 2258 0	279
7170025	8 4096 0	282
7170027	8 4079 0	280
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7170030	8 4099 0	283
7170043	8 4207 0	283
7170047	8 8674 0	285
7170048	8 4091 0	281
7170058	8 8277 0	284
7170059	8 8665 0	284
7170095	8 4090 0	281
7220255	8 8693 0	286
7220441	8 8118 0	283

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4 114 442	4 4301 0	267
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54294771	4 5094 1	165
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636 004 83	4 6184 9	219
636 004 93	4 6184 9	219
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636 005 05	4 6184 9	219
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636 339 25	4 6143 9	218
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636 339 33	4 6213 9	220
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636 938 01	4 6142 9	218
636 938 01	4 6337 9	221
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63631425	4 6416 9	221
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723 650 10	4 4308 0	267
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748 878 90	4 4311 0	267
74866611	4 5155 1	167
74867401	4 5155 1	167
74868261	4 5080 1	165
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752 069 99	8 8693 0	286

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79957919	4 5188 1	155
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832 244 61	7 7390 1	124
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855 404 71	4 6197 9	219
855 404 73	4 6197 9	219
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