



REPRINT
2008



MIRACLES OF HIGH FIDELITY

400.095

ZF

Old Range

Models

GV 90 / 1

5 K 110 GP / GPA

5 K 110 / GPA + GV 90 / 1

5 S 110 GP / GPA

5 S 110 / GPA + GV 90 / 1

Date

05 / 2006

File

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HIGH FIDELITY SPARE PARTS

suitable to :

Z.F.

Old Range

GV90/1

5K110 GP

5K110 + GV90/1

5K110 GPA

5K110GPA+GV90/1

5S110 GP

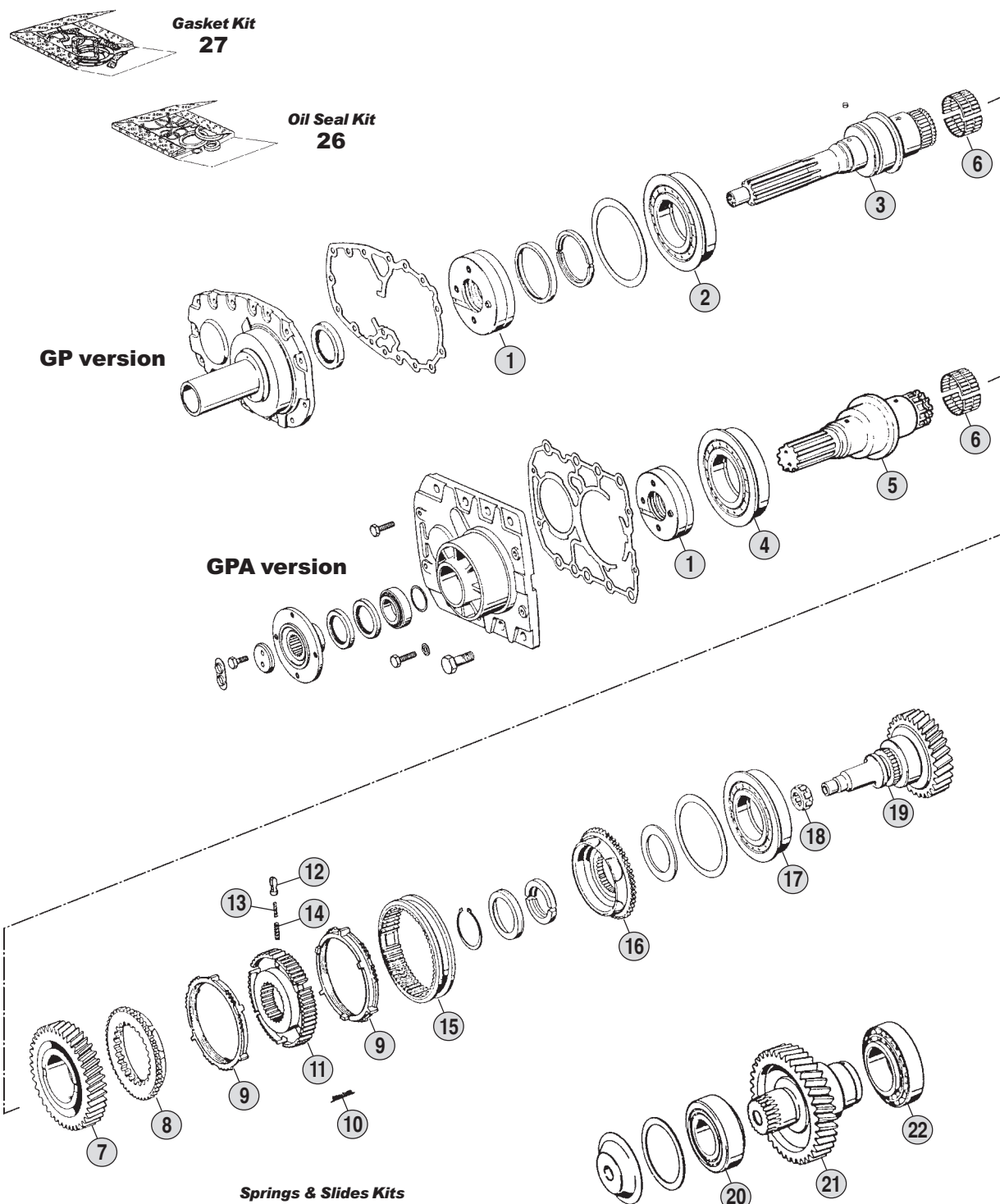
5S110 + GV90/1

5S110 GPA

5S110GPA+GV90/1

(1269 xxx xxx)

OLD RANGE
5K/S 110

Suitable To : **ZF****GV90/1 For 5K/S 110 GP/GPA****Kits****Springs & Slides Kits**

x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9
Kit 23	Kit 24	Kit 25

Ratios

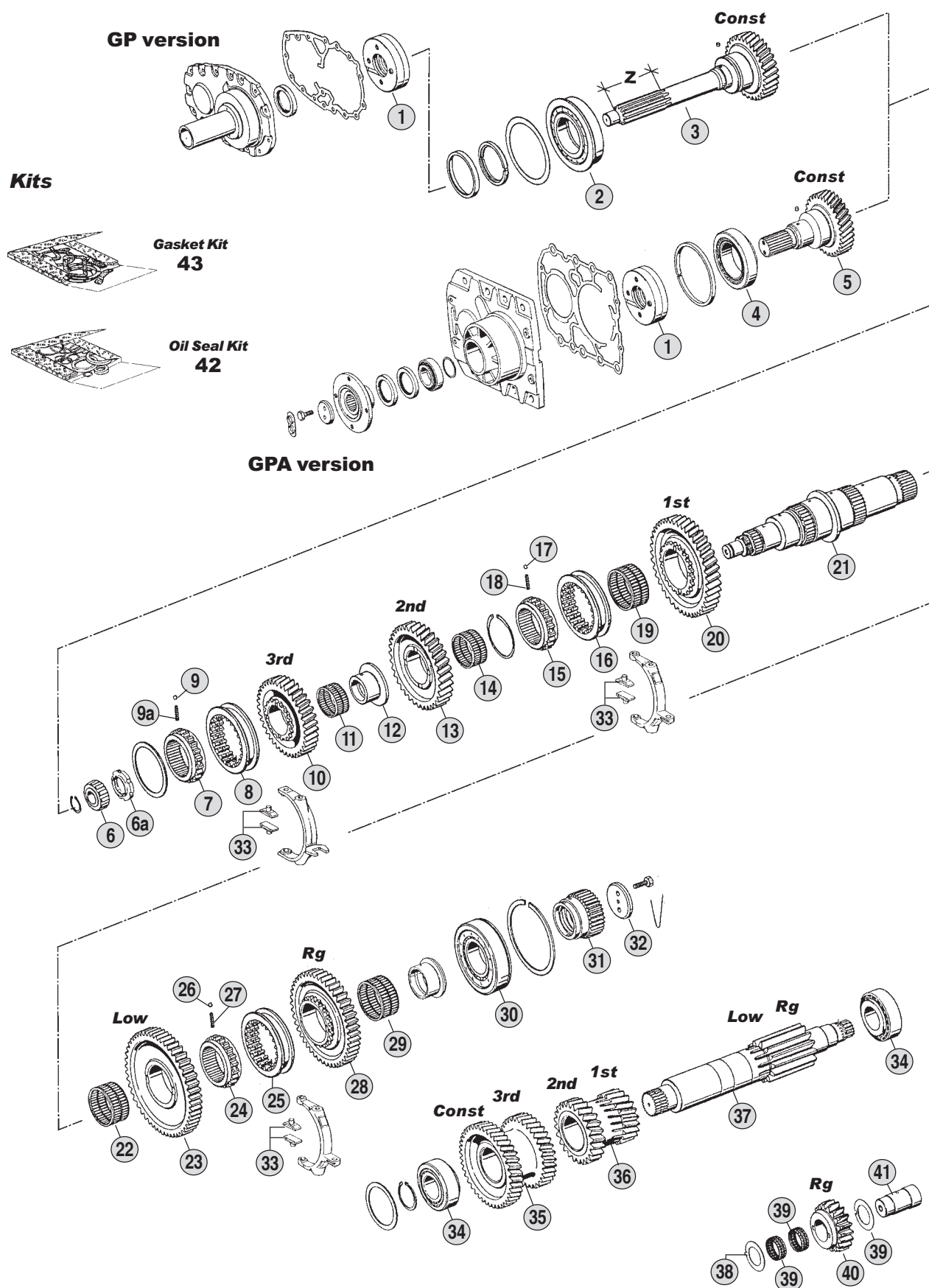
GV90/1 5K/S 110 GP : 13,10 - 0,860

GV90/1 5K/S 110 GPA : 13,40 - 0,870

GV90/1
1269 xxx xxx

0080 / A

Suitable To : **ZF** 5K110GP/GPA and 5K110GP/GPA+GV90/1



Ratios

5K110GP	13,10-1,00
5K110GP+GV90/1	13,10-0,86
5K110GPA	13,40-1,02
5K110GPA+GV90/1	13,40-0,87

Fig.	CEI no.	O.E.M. Reference		Description	Q.ty	Note	Ratio					
		ZF no.	MB no.					5K110GP	5K110GP+GV90/1	5K110GPA	5K110GPA+GV90/1	
1	280.303	1269 202 104	000 260 1090	Oil Pump	1			●	●			
1	280.348	1295 202 041	000 260 1290	Oil Pump	1	Can Repl. 1269 202 104		●	●			
2	130.697	0750 118 129	007 981 0301	Bearing D.84,9x150x27,5	1			●				
3	102.129	1269 298 908	000 262 6602	Input Shaft 34 T	1	Z=61 mm		●				
3	102.385	1269 298 902		Input Shaft 34 T	1	Z=85 mm		●				
3	102.135	1269 298 938	000 260 1720	Input Shaft 34 T	1	Z=115 mm		●				
3	190.185	1269 202 913	000 260 1120	Input Shaft 34 T	1	Z=116 mm		●				
4	130.698	0750 117 078	010 981 1501	Bearing D.85x150x30,50	1				●			
5	102.386	1269 298 939		Input Shaft 34 T	1				●			
6	137.087	0750 118 019	004 981 5801	Roller Cage D.30x60x26	1			●	●	●	●	
6A	187.343	0737 502 152	000 990 1360	Grooved Nut M45x1,5	1			●	●	●	●	
7	157.101	1269 304 018	000 262 1127	Synchronizer Hub	1			●	●	●	●	
8	154.090	1269 304 069	000 262 1523	Sliding Sleeve	1			●	●	●	●	
9	171.014	0635 460 010	002 981 5685	Ball D.6	3			●	●	●	●	
9A	156.150	1203 321 009	002 993 1801	Spring De.5,50x12	3			●	●	●	●	
10	145.243	1269 304 139	000 262 1513	Gear 3rd Speed 34 T	1			●	●	●	●	
11	137.077	0735 320 396	008 981 1010	Needle bearing D.62x70x36,5	1			●	●	●	●	
12	117.153	1269 304 003	000 262 0350	Bushing D.51x62x94	1			●	●	●	●	
13	145.244	1269 304 131	000 262 1112	Gear 2nd Speed 37 T	1			●	●	●	●	
14	137.078	0735 320 493	008 981 0910	Needle Bearing D.70x78x36,50	1			●	●	●	●	
15	155.136	1269 304 016	000 262 1027	Synchronizer Hub	1			●	●	●	●	
16	154.095	1269 304 017	000 262 1423	Sliding Sleeve	1			●	●	●	●	
17	171.014	0635 460 010	002 981 5685	Ball D.6	3			●	●	●	●	
18	156.124	0732 040 497	343 264 0993	Spring De.6x7	3			●	●	●	●	
19	137.079	0735 320 371	005 981 8710	Needle Bearing D.82x90x37	1			●	●	●	●	
20	145.245	1269 304 132	000 262 2511	Gear 1st Speed 42 T	1			●	●	●	●	
21	103.065	1269 304 061	000 262 0905	Main Shaft	1			●	●			
21	103.194	1269 304 060	000 262 1005	Main Shaft (GPA)	1					●	●	
22	137.079	0735 320 371	005 981 8710	Needle Bearing D.82x90x37	1			●	●	●	●	
23	145.246	1269 304 072	000 262 1411	Gear Low Speed 51 T	1			●	●	●	●	
24	157.081	1269 304 071	000 262 0927	Synchronizer Hub	1			●	●	●	●	
25	154.056	1250 304 233	000 262 1023	Sliding Sleeve	1			●	●	●	●	
26	171.014	0635 460 010	002 981 5685	Ball D.6	3			●	●	●	●	
27	156.124	0732 040 497	343 264 0993	Spring De.6x7	3			●	●	●	●	
28	145.247	1269 304 068	000 262 1511	Reverse Gear 45 T	1			●	●	●	●	
29	137.079	0735 320 371	005 981 8710	Needle Bearing D.82x90x37	1			●	●	●	●	
30	130.699	0750 118 081	005 981 8701	Bearing D.70x150x35	1			●	●	●	●	
31	157.082	1286 304 022	000 262 0910	Sun Gear 35 T	1			●	●	●	●	
32	188.212	1269 304 070	000 262 2362	Stop Washer	1			●	●	●	●	
33	141.068	1295 306 132	000 268 0849	Bronze Slide	2			●	●	●	●	
34	130.242	0750 117 010	001 980 8102	Bearing D.50,80x100x35	2			●	●	●	●	
35	143.053	1269 303 053	000 263 0914	Double Gear 3rd/4th-30/41 T	1			●	●	●	●	
36	143.054	1269 303 006	000 263 0413	Double Gear 1st/2nd-20/24 T	1			●	●	●	●	
37	105.056	1269 303 041	000 263 1302	Countershaft 16 T	1			●	●	●	●	
38	169.234	0730 150 064	343 263 0062	Thrust Washer	2			●	●	●	●	

Notes

Date

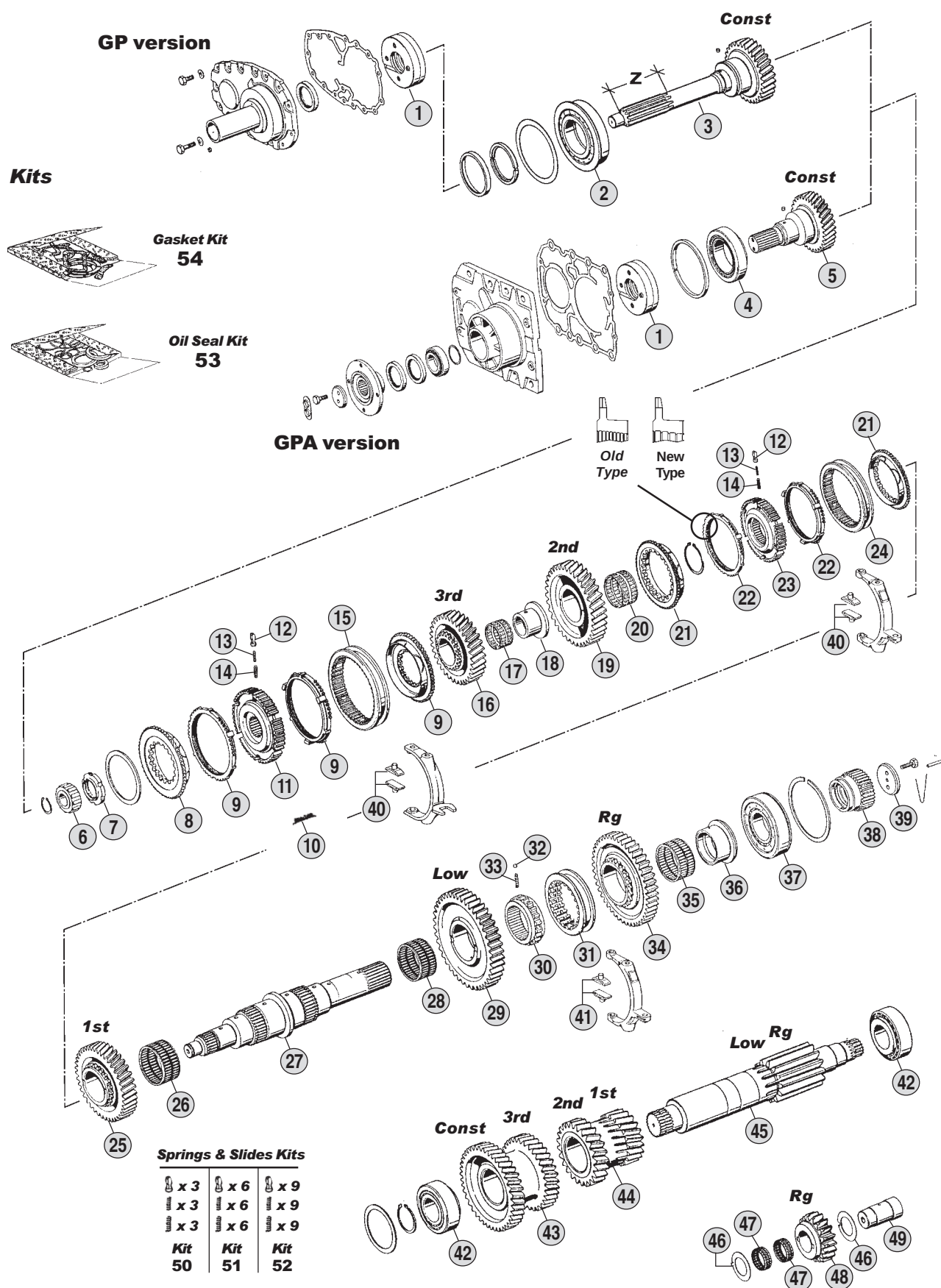
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Table

0080 / B

5K110
1269 xxx xxx

Suitable To : **ZF 5S110GP/GPA** and **5S110GP/GPA+GV90/1**



All original equipment manufacturers' numbers, symbols, pictures, models and description used in this catalogue are for reference only, and it is not implied that any part listed is the product of these manufactures.
Tutti i nostri particolari non sono originali ma con essi intercambiabili. I riferimenti originali, le figure, i modelli sono esposti a semplice titolo indicativo. La nostra produzione riporta il nostro marchio.

Ratios

5S110GP	13,10-1,00
5S110GP+GV90/1	13,10-0,86
5S110GPA	13,40-1,02
5S110GPA+GV90/1	13,40-0,87

Fig.	CEI no.	O.E.M. Reference		Description	Q.ty	Note	Ratio					
		ZF no.	MB no.					5S110GP	5S110GP+GI/90/1	5S110GPA	5S110GPA+GI/90/1	
1	280.303	1269 202 104	000 260 1090	Oil Pump	1			●	●			
1	280.348	1295 202 041	000 260 1290	Oil Pump	1	Can Repl. 1295 202 041		●	●			
2	130.697	0750 118 129	007 981 0301	Bearing D.84,9x150x27,5	1			●				
3	102.129	1269 298 908	000 262 6602	Input Shaft 34 T	1	Z=61 mm		●				
3	102.385	1269 298 902		Input Shaft 34 T	1	Z=85 mm		●				
2	102.135	1269 298 938	000 260 1720	Input Shaft 34 T	1	Z=115 mm		●				
3	190.185	1269 202 913	000 260 1120	Input Shaft 34 T	1	Z=116 mm		●				
4	130.698	0750 117 078	010 981 1501	Bearing D.85x150x30,50	1				●			
5	102.386	1269 298 939		Input Shaft 34 T	1				●			
6	137.087	0750 118 019	004 981 5801	Roller Cage D.30x60x26	1			●	●	●	●	
7	187.343	0737 502 152	000 990 1360	Grooved Nut M45x1,5	1			●	●	●	●	
8	109.021	1269 304 137	000 262 1736	Synchronizer Cone	1			●	●	●	●	
9	119.042	1272 304 076	000 262 1334	Synchronizer Ring	2	Old Type		●	●	●	●	
9	119.163	1272 304 166	000 262 8834	Synchronizer Ring	2	New Type		●	●	●	●	
9	119.054	1250 304 226	336 262 0734	Synchronizer Ring	2	Oldest(*)		●	●	●	●	
10	156.025	0732 020 030	336 264 0893	Spring L=31,50	3	Oldest		●	●	●	●	
11	157.079	1269 304 128	000 262 2735	Synchronizer hub	1			●	●	●	●	
12	160.116	1240 304 278	336 264 0239	Pressure Piece	3			●	●	●	●	
13	156.036	0732 040 386	336 264 0793	Inner Spring De.3x34	3			●	●	●	●	
14	156.037	0732 040 385	336 264 0693	Outer Spring De.6x34	3			●	●	●	●	
15	154.032	1272 304 077	000 262 1923	Sliding Sleeve	1			●	●	●	●	
16	145.243	1269 304 139	000 262 1513	Gear 3rd Speed 34 T	1			●	●	●	●	
17	137.077	0735 320 396	008 981 1010	Needle bearing D.62x70x36,5	1			●	●	●	●	
18	117.153	1269 304 003	000 262 0350	Bushing D.51x62x94	1			●	●	●	●	
19	145.244	1269 304 131	000 262 1112	Gear 2nd Speed 37 T	1			●	●	●	●	
20	137.078	0735 320 493	008 981 0910	Needle Bearing D.70x78x36,50	1			●	●	●	●	
21	109.022	1250 304 351	000 262 0340	Synchronizer Cone	2			●	●	●	●	
22	119.042	1272 304 076	000 262 1334	Synchronizer Ring	2	Old Type		●	●	●	●	
22	119.163	1272 304 166	000 262 8834	Synchronizer Ring	2	Nnew Type		●	●	●	●	
22	119.054	1250 304 226	336 262 0734	Synchronizer Ring	2	Oldest(*)		●	●	●	●	
23	157.080	1269 304 129	000 262 2635	Synchronizer hub	1			●	●	●	●	
24	154.033	1240 304 375	000 262 0823	Sliding Sleeve	1			●	●	●	●	
25	145.245	1269 304 132	000 262 2511	Gear 1st Speed 42 T	1			●	●	●	●	
26	137.079	0735 320 371	005 981 8710	Needle Bearing D.82x90x37	1			●	●	●	●	
27	103.065	1269 304 061	000 262 0905	Main Shaft	1			●	●			
27	103.194	1269 304 060	000 262 1005	Main Shaft (GPA)	1					●	●	
28	137.079	0735 320 371	005 981 8710	Needle Bearing D.82x90x37	1			●	●	●	●	
29	145.246	1269 304 072	000 262 1411	Gear Low Speed 51 T	1			●	●	●	●	
30	157.081	1269 304 071	000 262 0927	Synchronizer Hub	1			●	●	●	●	
31	154.056	1250 304 233	000 262 1023	Sliding Sleeve	1			●	●	●	●	
32	171.014	0635 460 010	002 981 5685	Ball D.6	3			●	●	●	●	
33	156.124	0732 040 497	343 264 0993	Spring De.6x7	3			●	●	●	●	
34	145.247	1269 304 068	000 262 1511	Reverse Gear 45 T	1			●	●	●	●	
35	137.079	0735 320 371	005 981 8710	Needle Bearing D.82x90x37	1			●	●	●	●	
36	117.154	1269 304 004	000 262 0450	Bushing	1			●	●	●	●	

Notes

(*) Old Version with 3 spring holes. To be used with spring 156.025 (fig. 10)

Date

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Table

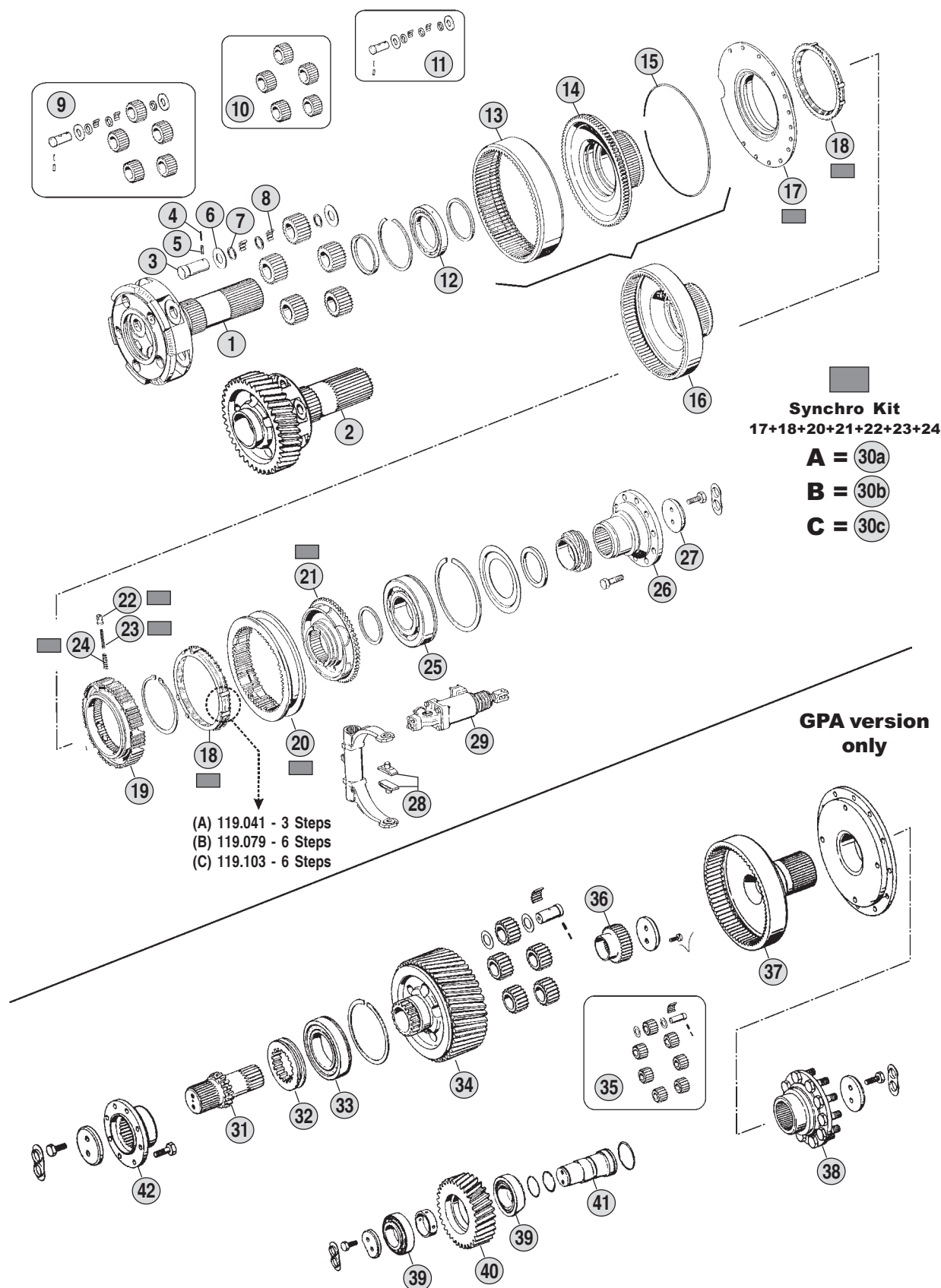
0080 / c

5S110
1269 xxx xxx

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0080 / c

Suitable To : **ZF****5K/S110GP/GPA and 5K/S110GP/GPA****Ratios**

5K/S 110GP	13,10-1,00
5K/S 110GP+GV90/1	13,10-0,86
5K/S 110GPA	13,40-1,02
5K/S 110GPA+GV90/1	13,40-0,87

Fig.	CEI no.	O.E.M. Reference		Description	Q.ty	Note	Ratio					
		ZF no.	MB no.					5K/S110GP	5K/S110GP+GV90/1	5K/S110GPA	5K/S110GPA+GV90/1	
1	190.402	1269 232 041	000 260 3961	Planet Carrier	1			●	●			
2	190.403	1269 232 037	000 260 2861	Planet Carrier	1				●	●		
3	107.089	1269 332 036	000 264 1618	Planetary pin	5			●	●			
3	107.208	1269 332 050	000 264 2918	Pin	5					●	●	
4	160.152	0631 329 016	001481 003021	Lock Pin D.3x20	5			●	●	●	●	
5	160.151	0631 329 048	001481 005026	Lock Pin D.5x20	5			●	●	●	●	
6	169.408	0501 305 887	003 264 2252	Thrust Washer D.29x57,5x1,5	10			●	●	●	●	
7	169.410	0730 103 846	003 264 2052	Spacer Ring D.29x39x1,00	15			●	●	●	●	
8	171.016	0735 470 057	001 981 1187	Roller D.6x14,75	180			●	●	●	●	
9	198.414	1269 298 958	000 262 0606	Planetary Gear Set (Complete)	1			●	●			
10	198.371	1286 298 902	000 260 1197	Planetary Gear Set (5 pcs)	1			●	●	●	●	
11	198.447	CEI 198447		Overhaul Planetary Gear Kit	1	Complete (For 5 series)		●	●			
12	130.700	0635 330 050		Bearing D.75x115x13	1			●	●	●	●	
13	123.163	1269 332 055	000 264 2821	Crown Gear 85 T	1			●	●	●	●	
14	150.113	1269 332 054	000 262 0325	Carrier Hub 85 T	1			●	●	●	●	
15	111.175	0730 505 053	000 264 0673	Locking Wire 2,50	1			●	●	●	●	
16	123.145	1269 332 020	000 264 1721	Crown Gear 85 T	1	Old Type		●	●	●	●	
17	135.060	1269 233 010	000 262 2037	Synchronizer Flange	1	(AB)		●	●	●	●	
17	135.111	1269 233 012	000 262 3340	Synchronizer Flange	1	(C)		●	●	●	●	
18	119.041	1269 328 254	000 262 0734	Synchronizer Ring	2	(A)		●	●	●	●	
18	119.079	1269 328 289	000 262 2234	Synchronizer Ring	2	(B)		●	●	●	●	
18	119.103	1269 328 291	000 262 3534	Synchronizer Ring	2	(C)		●	●	●	●	
19	157.115	1269 333 057	000 263 0835	Synchronizer Hub	1	(ABC)		●	●	●	●	
20	154.031	1269 333 047	000 262 4123	Sliding Sleeve	1	(ABC)		●	●	●	●	
21	109.020	1269 333 048	000 262 1537	Synchronizer cone	1	(AB)		●	●	●	●	
21	109.120	1269 333 056	000 262 3240	Synchronizer cone	1	(C)		●	●	●	●	
22	160.126	1269 328 234	000 263 0140	Pressure Piece	6			●	●	●	●	
23	156.125	0732 040 929	003 993 9201	Spring D. 6x36	6			●	●	●	●	
24	156.120	0732 040 736	002 993 7501	Spring D.10x36	6			●	●	●	●	
25	130.264	0635 333 049	000 981 9025	Bearing D.70x150x35	1			●	●	●	●	
26	155.132	1269 338 028	000 264 0845	Output Flange D.165 (8 holes)	1			●	●			
26	155.167	1269 338 026		Output Flange D.180 (8 holes)	1			●	●			
26	155.113	1269 338 020	000 264 0945	Output Flange D.180 (10 holes)	1			●	●			
27	188.070	1240 304 117	343 262 0062	Stop Washer	1			●	●			
28	141.088	1295 334 027	000 268 0549	Bronze Slide	2			●	●	●	●	
29	280.630	0750 132 019	000 260 4663	Cylinder	1			●	●	●	●	
29	280.366	0750 132 009	000 260 5363	Cylinder	1			●	●	●	●	
30A	198.966	CEI 198966		Synchronizer Kit	1	(A)		●	●	●	●	
30B	198.515	1269 298 979		Synchronizer Kit	1	(B)		●	●	●	●	
30C	198.717	1269 298 980		Synchronizer Kit	1	(C)		●	●	●	●	
31	101.142	1269 339 024	000 262 5802	Shaft (GPA)	1	(x)				●	●	
31	101.143	1269 339 025	000 262 5902	Shaft (GPA)	1	(§)				●	●	
32	154.369	1269 339 003	000 262 1323	Sliding sleeve	1					●	●	
33	130.701	0635 332 132	000 625 536 219	Bearing D.95x170x32	1					●	●	
34	190.404	1269 237 013	000 260 0761	Planet Carrier (GPA)	1	(x)				●	●	

Notes

- (A) 1st Generation. To be coupled together.
 (B) 2ns Generation. To be coupled together.
 (C) 3rd Generation. Reinforced. To be coupled together. **Do no MIX**
 (x - §) Different versions. To be coupled together. **DO NO MIX**

Date

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Table

0080 / D

5K/S 110
1269 xxx xxx

(A) 1st Generation. To be coupled together.

(B) 2ns Generation. To be coupled together.

(C) 3rd Generation. Reinforced. To be coupled together. **Do no MIX**

(x - §) Different versions. To be coupled together. **DO NO MIX**