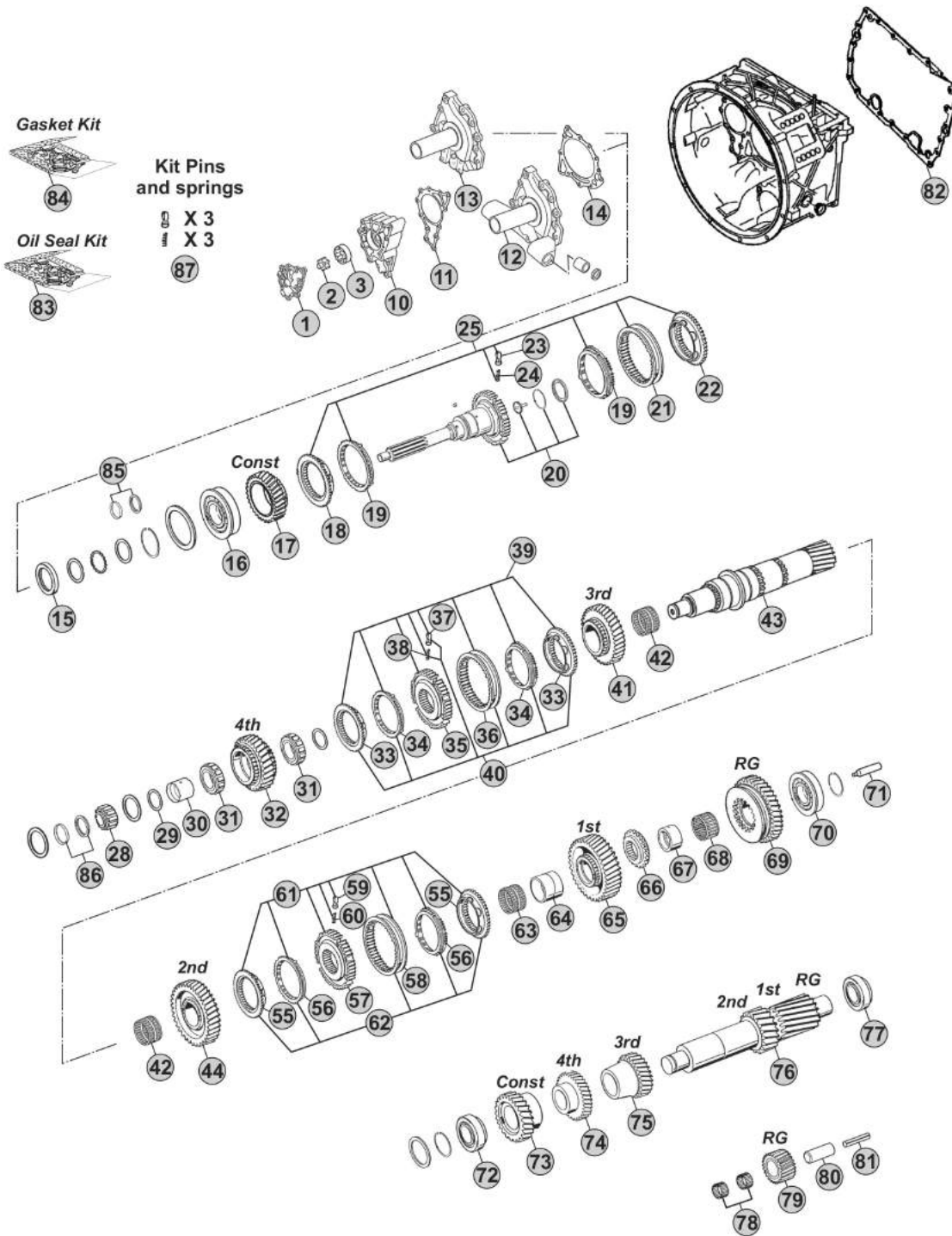


MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251			
1	189.690	1315 302 120	Oil Pump Cover	1		●			
2	189.679	1314 202 039	Oil Pump Shaft	1		●			
3	189.678	1315 303 027	Rotor	1		●			
10	189.691	1315 302 121	Oil Pump Housing	1		●			
11	139.652	1315 303 060	Gasket	1		●			
12	135.253	1315 202 061	Front Cover	1		●			
12	128.325	1315 202 066	Front Cover	1		●			
12	135.254	1315 202 065	Front Cover	1		●			
13	135.256	1315 302 075	Front Cover	1		●			
14	139.653	0501 314 587	Gasket	1		●			
15	139.879	0734 310 387	Oil Seal 55x75x8	1		●			
16	130.518	0750 117 732	Bearing 85x150x30,50	1		●			
17	145.554	1316 302 067	Constant Gear 35 T	1		●			
18	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
18	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
18	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
19	119.119	1297 304 402	Synchronizer Ring	2	(50) Old Type	●			
19	119.167	1297 304 484	Synchronizer Ring	2	(50) New Type	●			
19	119.308	1316 304 189	Synchronizer Ring	2	(51)	●			
19	119.327	1316 304 196	Synchronizer Ring	2	(52)	●			
20	190.303	1316 202 025	Input Shaft 10 T	1		●			
20	102.412	1316 202 037	Input Shaft Assy	1		●			
20	190.300	1316 202 026	Input Shaft	1		●			
21	154.135	1310 304 202	Sliding Sleeve	1	(50)	●			
21	154.482	1356 304 023	Sliding Sleeve	1	(51-52)	●			
22	109.134	1312 304 027	Synchronizer Cone	1	(50)	●			
22	109.839	1316 304 190	Synchronizer Cone	1	(51)	●			
22	109.208	1356 304 025	Synchronizer Cone	1	(52)	●			
23	160.189	1297 304 436	Pressure Piece	3		●			
24	156.140	0732 040 409	Spring De.6,5x23,50	3		●			
25	298.169		Synchro Kit	1	(50)	●			
25	298.288	1325 298 008	Synchro Kit	1	(51)	●			
25	196.442	1316 298 037	Synchro Kit	1	(52)	●			
28	137.150	0750 117 232	Roller Bearing 42x40,30	1		●			
29	169.776	0750 101 158	Thrust Washer 81,5x5	1		●			
30	117.320	0750 119 124	Bush 67x77x66,10	1		●			
31	137.136	0750 115 531	Roller Cage 77x101x29	2		●			
32	146.401	1316 304 103	Gear 4th Speed 32 T	1		●			
33	109.134	1312 304 027	Synchronizer Cone	2	(20)	●			
33	109.385	1316 304 159	Synchronizer Cone	2	(21)	●			
33	109.839	1316 304 190	Synchronizer Cone	2	(22)	●			
33	109.208	1356 304 025	Synchronizer Cone	2	(23)	●			
34	119.119	1297 304 402	Synchronizer Ring	2	(20) Old Type	●			

 ECOSPLIT III
16S251
Date

09/2014

Notes

(50) Only for standard version - Overdrive speeds

(51) Only for latest type - overdrive speeds

(52) Only for latest type with carbon rings - overdrive speeds

(20) Only for 3rd/4th Speed - First version - Do not mix

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

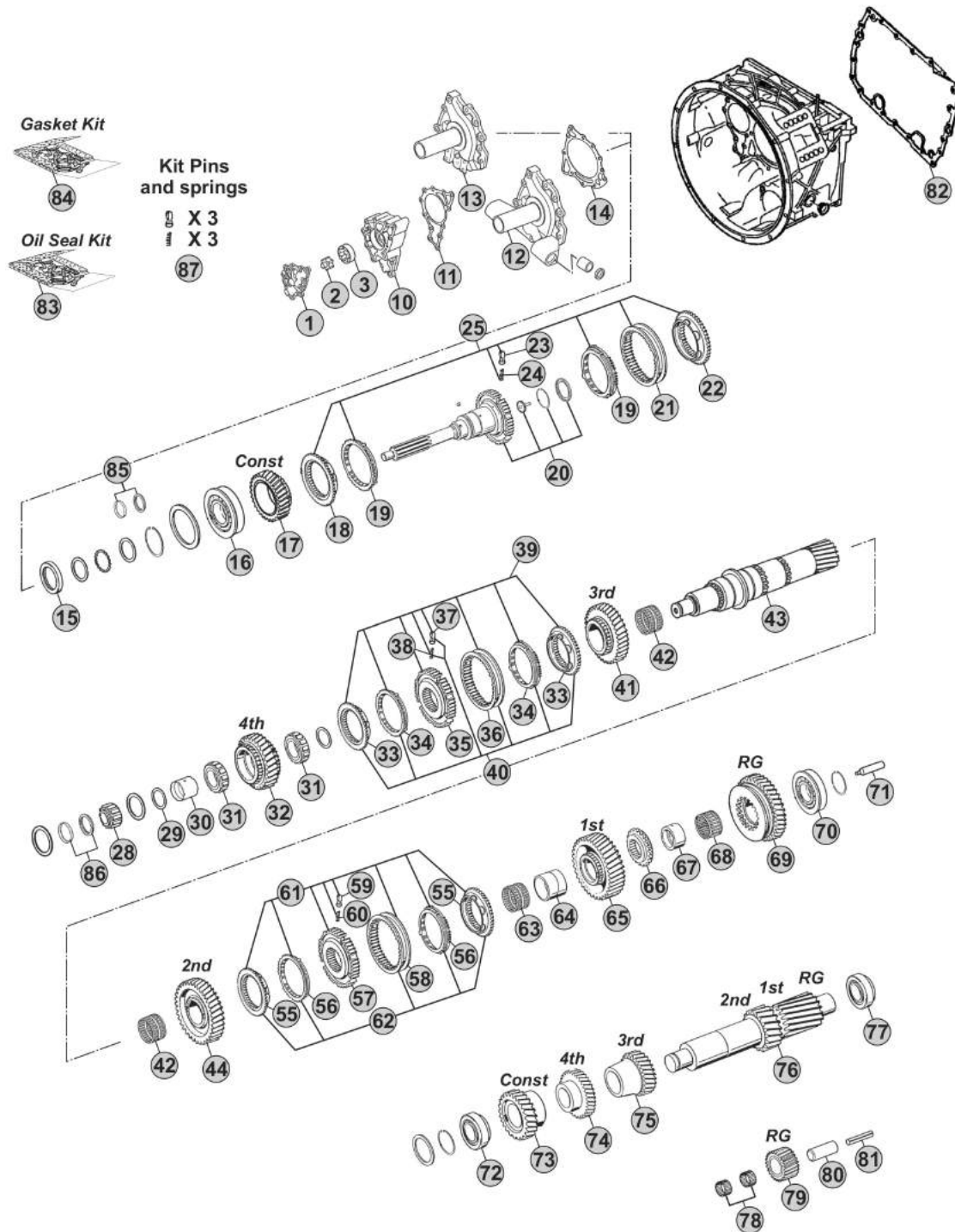
(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251				
34	119.167	1297 304 484	Synchronizer Ring	2	(20) New Type	●				
34	119.217	1316 304 168	Synchronizer Ring	2	(21)	●				
34	119.308	1316 304 189	Synchronizer Ring	2	(22)	●				
34	119.327	1316 304 196	Synchronizer Ring	2	(23)	●				
35	157.180	1312 304 052	Synchronizer Hub	1	(20)	●				
35	157.227	1316 304 162	Synchronizer Hub	1	(21)	●				
35	155.291	1356 304 019	Synchronizer Hub	1	(22-23)	●				
36	154.135	1310 304 202	Sliding Sleeve	1	(20)	●				
36	154.357	1316 304 167	Sliding Sleeve	1	(21)	●				
36	154.482	1356 304 023	Sliding Sleeve	1	(22-23)	●				
37	160.189	1297 304 436	Pressure Piece	3		●				
38	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
39	198.812	1315 298 018	Synchro Kit	1	(20)	●				
39	298.021	1315 298 061	Synchro Kit	1	(21)	●				
40	298.291	1315 298 067	Synchro Kit	1	(21)	●				
40	298.288	1325 298 008	Synchro Kit	1	(22)	●				
40	196.442	1316 298 037	Synchro Kit	1	(23)	●				
41	145.555	1316 304 066	Gear 3rd Speed 34 T	1		●				
42	137.138	0750 115 303	Needle Cage 92x100x63	2		●				
43	103.143	1316 304 131	Main Shaft	1		●				
44	145.474	1316 304 002	Gear 2nd Speed 38 T	1		●				
55	109.132	1313 304 009	Synchronizer Cone	2	(31)	●				
55	109.386	1316 304 156	Synchronizer Cone	2	(32-33)	●				
55	109.824	1356 304 026	Synchronizer Cone	2	(34)	●				
56	119.122	1297 304 401	Synchronizer Ring	2	(31) Old Type	●				
56	119.166	1297 304 485	Synchronizer Ring	2	(31) New Type	●				
56	119.218	1316 304 170	Synchronizer Ring	2	(32-33)	●				
56	119.302	1316 304 173	Synchronizer Ring	2	(34)	●				
57	157.189	1313 304 008	Synchronizer Hub	1	(31)	●				
57	157.228	1316 304 163	Synchronizer Hub	1	(32)	●				
57	155.290	1356 304 022	Synchronizer Hub	1	(33-34)	●				
58	154.202	1316 304 078	Sliding Sleeve	1	(31)	●				
58	154.358	1316 304 169	Sliding Sleeve	1	(32)	●				
58	154.456	1356 304 024	Sliding Sleeve	1	(33-34)	●				
59	160.189	1297 304 436	Pressure Piece	3		●				
60	156.140	0732 040 409	Spring De.6,5x23,50	3		●				
61	198.972	1313 298 909	Synchro Kit	1	(31)	●				
61	298.020	1315 298 060	Synchro Kit	1	(32)	●				
62	298.286	1315 298 066	Synchro Kit	1	(32)	●				
62	298.287	1325 298 007	Synchro Kit	1	(33)	●				
62	196.440	1316 298 036	Synchro Kit	1	(34)	●				
63	137.151	0750 115 327	Needle Cage 96x104x72	1		●				
64	117.310	1312 304 084	Bush 85x96x72	1		●				

Date

09/2014

Notes

(20) Only for 3rd/4th Speed - First version - Do not mix

(21) Only for 3rd/4th Speed - Second version - Do not mix

(22) Only for 3rd/4th Speed - Latest type - Do not mix

(23) Only for 3rd/4th Speed - Latest type - Do not mix - Carbon version

(31) Only for 1st/2nd speed - First version (single cone) - Do not mix

(32) Only for 1st/2nd speed - Second version (Single cone) - Do not mix

(33) Only for 1st/2nd speed - Latest type (single cone) - Do not mix

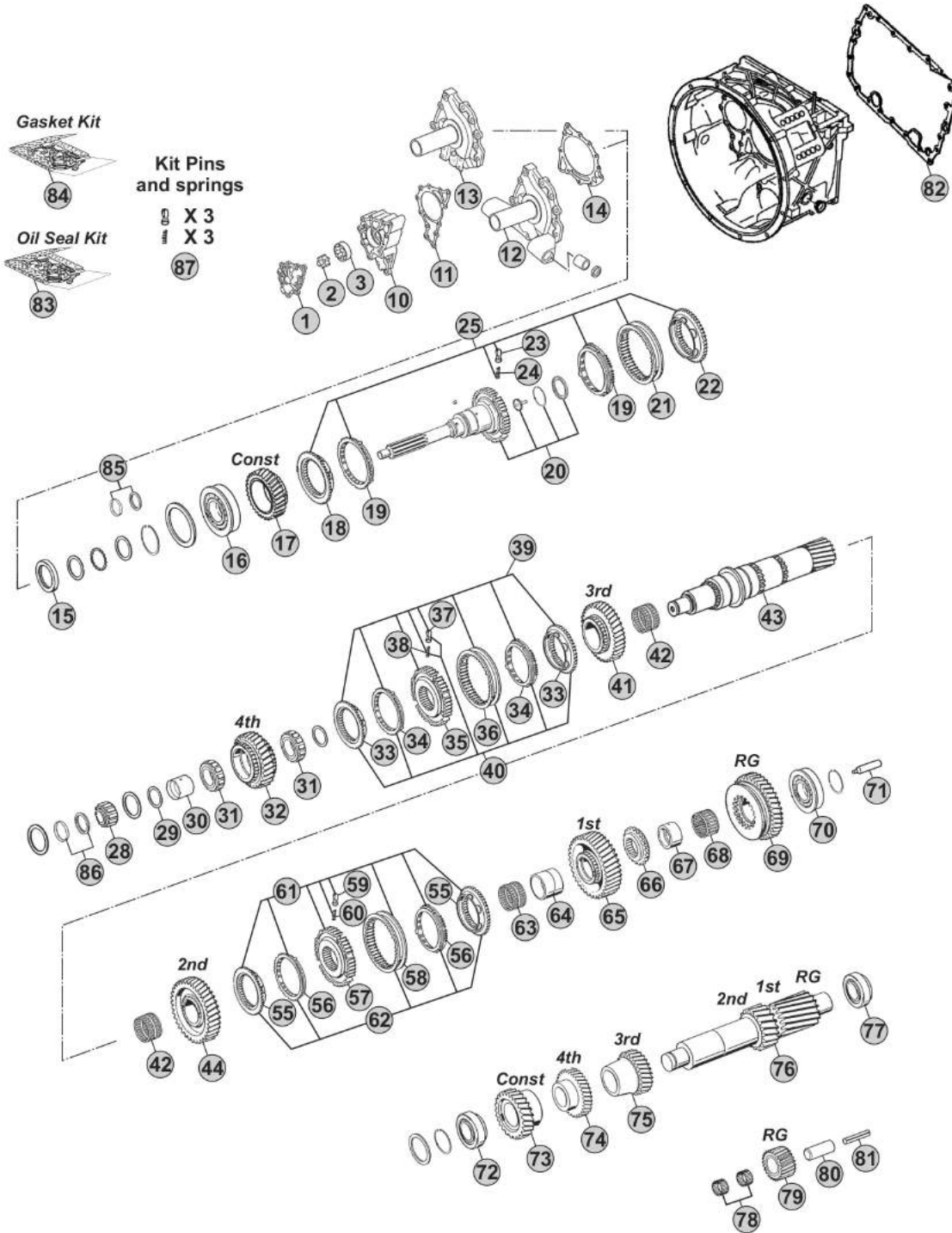
(34) Only for 1st/2nd speed - Latest type (single cone) - Do not mix - Carbon version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251				
65	145.475	1316 304 010	Gear 1st Speed 47 T	1		●				
66	109.163	1312 304 124	Engaging Ring	1		●				
67	117.311	1316 304 133	Bush 80x90x50	1		●				
68	137.140	0750 115 326	Roller Cage 90x98x50	1		●				
69	147.128	1316 304 012	Reverse Gear 44 T	1		●				
70	130.304	0750 117 678	Bearing 80x140x36,50	1		●				
71	188.271	1316 304 93	Oil Tube	1		●				
72	130.519	0735 371 604	Bearing 49,2x103,1x43,6	1		●				
73	146.780	1316 303 071	Constant Gear 32 D	1		●				
74	146.426	1316 303 065	Gear 4th Speed 35 T	1		●				
75	146.470	1316 303 040	Gear 3rd Speed 26 T	1		●				
76	105.123	1316 303 038	Countershaft 17/20 T	1		●				
77	130.519	0735 371 604	Bearing 49,2x103,1x43,6	1		●				
78	137.149	0750 115 369	Needle Cage 45x57x25	2		●				
79	147.127	1316 305 001	Reverse Gear 22 T	1		●				
80	190.302	1315 305 009	Reverse Shaft	1		●				
81	160.301	0631 329 296	Pin	1		●				
82	139.854	1315 301 233	Gasket	1		●				
83	198.838	1315 298 002	Oil Seal Kit	1		●				
84	198.797	1315 298 001	Gasket Kit	1	Paper	●				
84	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				
85	298.879	1499 298 038	Washers Kit	1		●				
85	298.388	1499 298 036	Shims Kit Th.4,10mm	1		●				
85	298.389	1499 298 034	Shims Kit Th. 4,00mm	1		●				
85	298.390	1499 298 032	Shims Kit Th. 3,90mm	1		●				
85	298.391	1499 298 030	Shims Kit Th. 3,80mm	1		●				
86	298.392	1499 298 027	Shims Kit Th=5,00mm	1		●				
86	298.393	1499 298 026	Shims Kit Th=4,90mm	1		●				
86	298.394	1499 298 025	Shims Kit Th=4,80mm	1		●				
86	298.395	1499 298 024	Shims Kit Th=4,70mm	1		●				
86	298.396	1499 298 023	Shims Kit Th=4,60mm	1		●				
87	198.843		Spring Slide kit	1		●				

ECOSPLIT III
16S251

Date 09/2014 Notes _____

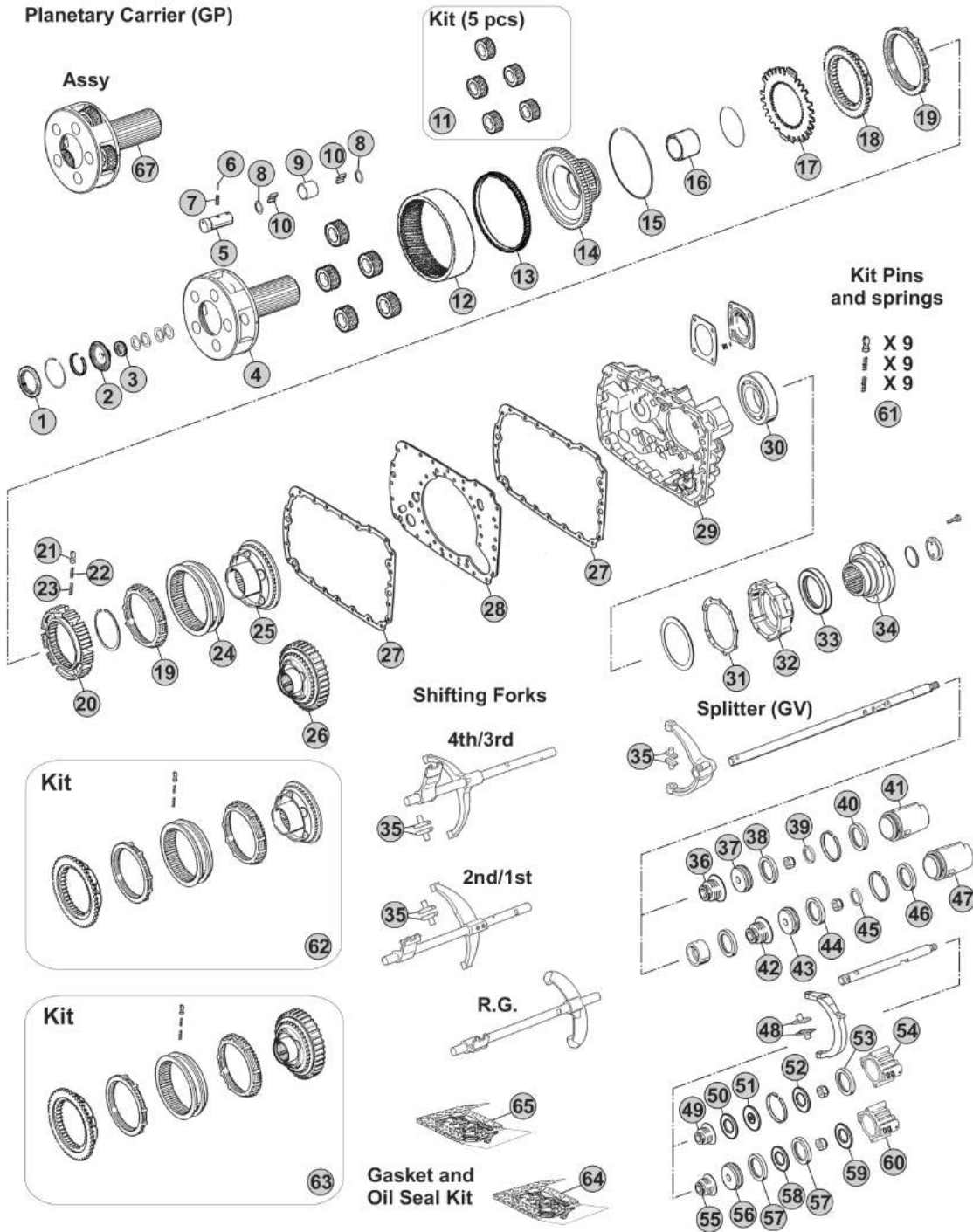


MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251			
1	269.791	1316 332 068	Thrust Disk	1		●			
2	128.326	1316 332 069	Cover	1		●			
3	130.415	0635 360 007	Needle Cage	1		●			
4	190.515	1316 232 021	Planetary Carrier	1	(70)	●			
4	190.514	1316 232 040	Planetary Carrier	1	(71)	●			
5	107.267	1324 332 016	Planetary pin	5	(70)	●			
5	107.263	1316 332 141	Planetary pin	5	(71)	●			
6	160.195	0631 329 167	Lock Pin 3x26	5	(70)	●			
6	160.288	0631 329 261	Pin	5	(71)	●			
7	160.194	0631 329 051	Lock Pin 5x26	5	(70)	●			
7	160.287	0631 329 147	Pin	5		●			
8	269.009	0730 109 323	Spacer Ring	10		●			
9	117.497	0730 162 801	Bush T.14,90	5		●			
10	171.062	0750 119 116	Needle 10x16,80 (140 pcs)	140		●			
11	298.908	1316 232 017	Planetary Gear Set (5 pcs)	1		●			
12	123.328	1316 332 042	Crown Gear	1		●			
13	123.329	1316 332 044	Ring Gear	1		●			
14	150.267	1316 332 073	Carrier Hub	1		●			
15	111.427	0730 513 639	Locking Wire	1		●			
16	119.256	1316 333 014	Intermediate Ring	1		●			
17	135.228	1316 333 026	Saddle Plate	1		●			
18	109.174	1296 333 050	Synchronizer Cone	1		●			
19	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
19	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
20	157.182	1313 333 001	Synchronizer Hub	1		●			
21	160.116	1240 304 278	Pressure Piece	9		●			
22	156.036	0732 040 386	Inner Spring De.3x34	9		●			
23	156.037	0732 040 385	Outer Spring De.6x34	9		●			
24	154.098	1296 333 023	Sliding Sleeve	1	(60)	●			
24	154.434	1316 333 034	Sliding Sleeve	1	(61)	●			
25	109.175	1316 233 015	Synchronizer Cone (44 Spl.)	1	(60)	●			
25	109.774	1316 233 029	Synchronizer Cone	1	(61)	●			
26	196.270	1316 233 014	Synchronizer Cone 59 T (44 Spl)	1	(60)	●			
26	109.773	1316 233 028	Synchronizer Cone	1	(61)	●			
27	139.643	1316 301 042	Gasket	1	W/out Retarder	●			
27	139.547	1316 301 053	Intarder Gasket	1	With Retarder	●			
28	135.266	1316 301 051	Clutch Body	1		●			
29	175.242	1315 301 223	Housing	1	W/out Retarder	●			
29	175.422	6085 201 079	Housing	1	With Retarder	●			
30	130.245	0750 116 394	Bearing 90x160x30	1		●			
31	139.644	1315 331 001	Gasket	1	W/out Retarder	●			
32	175.421	1315 231 004	Cover	1	W/out Retarder	●			
33	139.878	0750 111 341	Oil Seal 105x130x12	1		●			

 ECOSPLIT III
16S251
Date

09/2014

Notes

(70) Standard version - Changing Planetary carrier

(71) Latest type -Changing Planetary carrier

(60) Only for old version

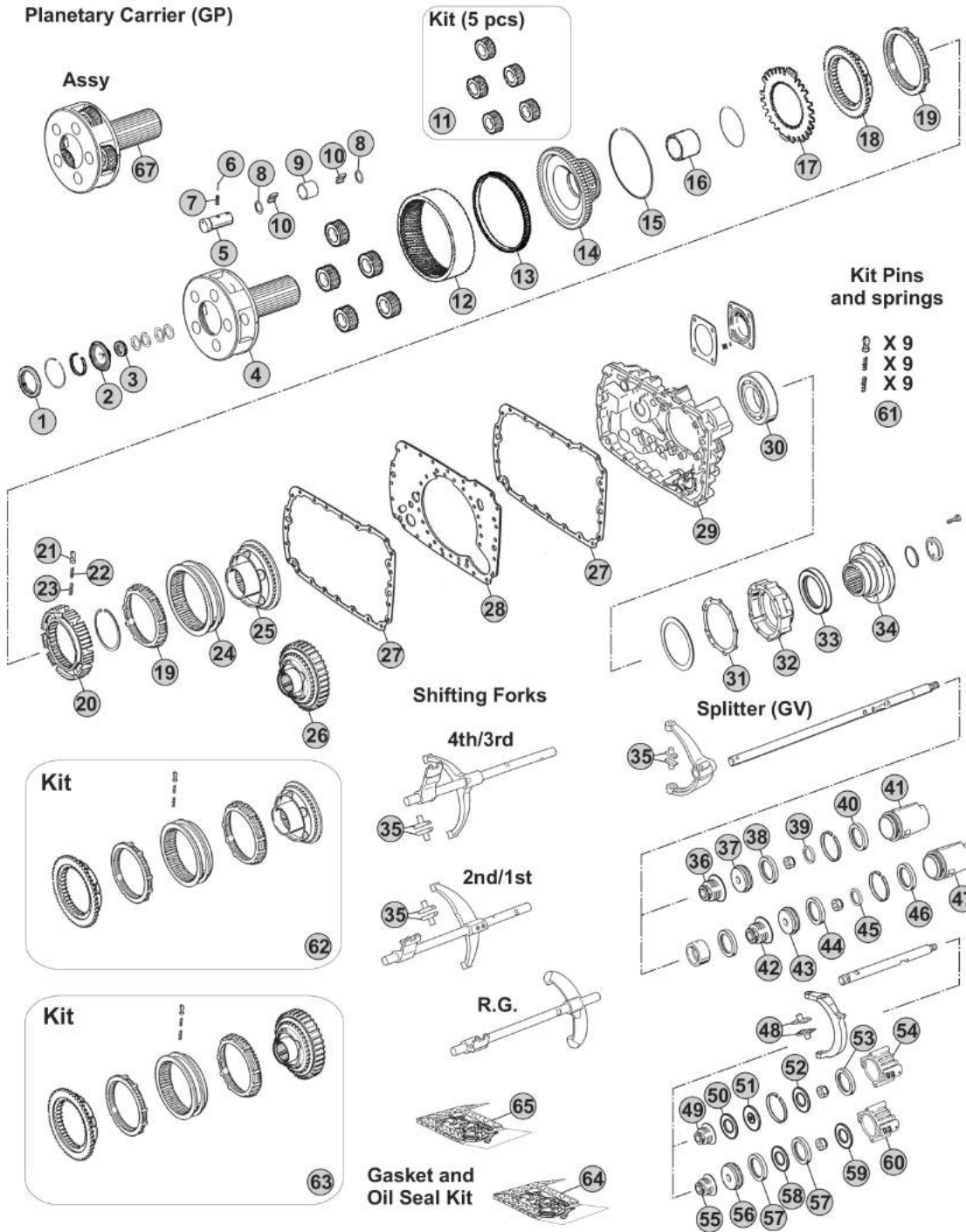
(61) Only for new version

MODELS:

- ECOSPLIT III

VERSIONS:

- 16S251 (1316 xxx xxx)
(GP Helical Teeth)



Notes

16S251 R. 13,80-0,84

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S251				
34	197.254	1297 333 110	Output Flange D.180 mm	1		●				
35	141.163	1297 306 120	Slide	2	Old Type	●				
35	141.168	1316 306 015	Sliding pad	2	New Type	●				
36	139.655	0750 112 253	Cap Collar D.25x40x15	1		●				
37	189.718	1315 312 020	Piston	1		●				
38	139.656	0750 112 177	Ring	1		●				
39	139.657	0634 313 320	O-ring	1		●				
40	139.658	0634 313 018	O-Ring	1		●				
41	132.097	1316 312 015	Cylinder	1		●				
42	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
43	189.718	1315 312 020	Piston	1		●				
44	139.656	0750 112 177	Ring	1		●				
45	139.657	0634 313 320	O-ring	1		●				
46	139.658	0634 313 018	O-Ring	1		●				
47	132.089	1315 312 048	Cylinder	1		●				
48	141.085	1296 334 004	Bronze Slide	2		●				
49	139.655	0750 112 253	Cap Collar D.25x40x15	1		●				
50	139.659	0734 307 294	Oil Seal	1		●				
51	189.719	1315 334 034	Piston	1		●				
52	139.659	0734 307 294	Oil Seal	1		●				
53	139.660	0501 317 536	O-Ring	1		●				
54	132.093	1315 334 069	Cylinder	1		●				
55	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●				
56	189.422	1296 334 039	Piston	1		●				
57	139.336	0734 317 150	Seal Ring 80x90x4,8	1		●				
58	139.661	0750 112 066	Ring	1		●				
59	139.660	0501 317 536	O-Ring	1		●				
60	132.090	1315 334 021	Cylinder	1		●				
61	198.842	1295 298 933	Spring Slide kit	1		●				
62	198.975	1315 298 034	Kit Reduction	1	(60)	●				
63	298.318	1315 298 043	Synchronizer Kit	1	(60)	●				
64	198.838	1315 298 002	Oil Seal Kit	1		●				
65	198.797	1315 298 001	Gasket Kit	1	Paper	●				
66	298.160	R 1315 298 001	Gasket kit (Reinforced)	1	Steel	●				

ECOSPLIT III
16S251

Date
09/2014

Notes
(60) Only for old version

