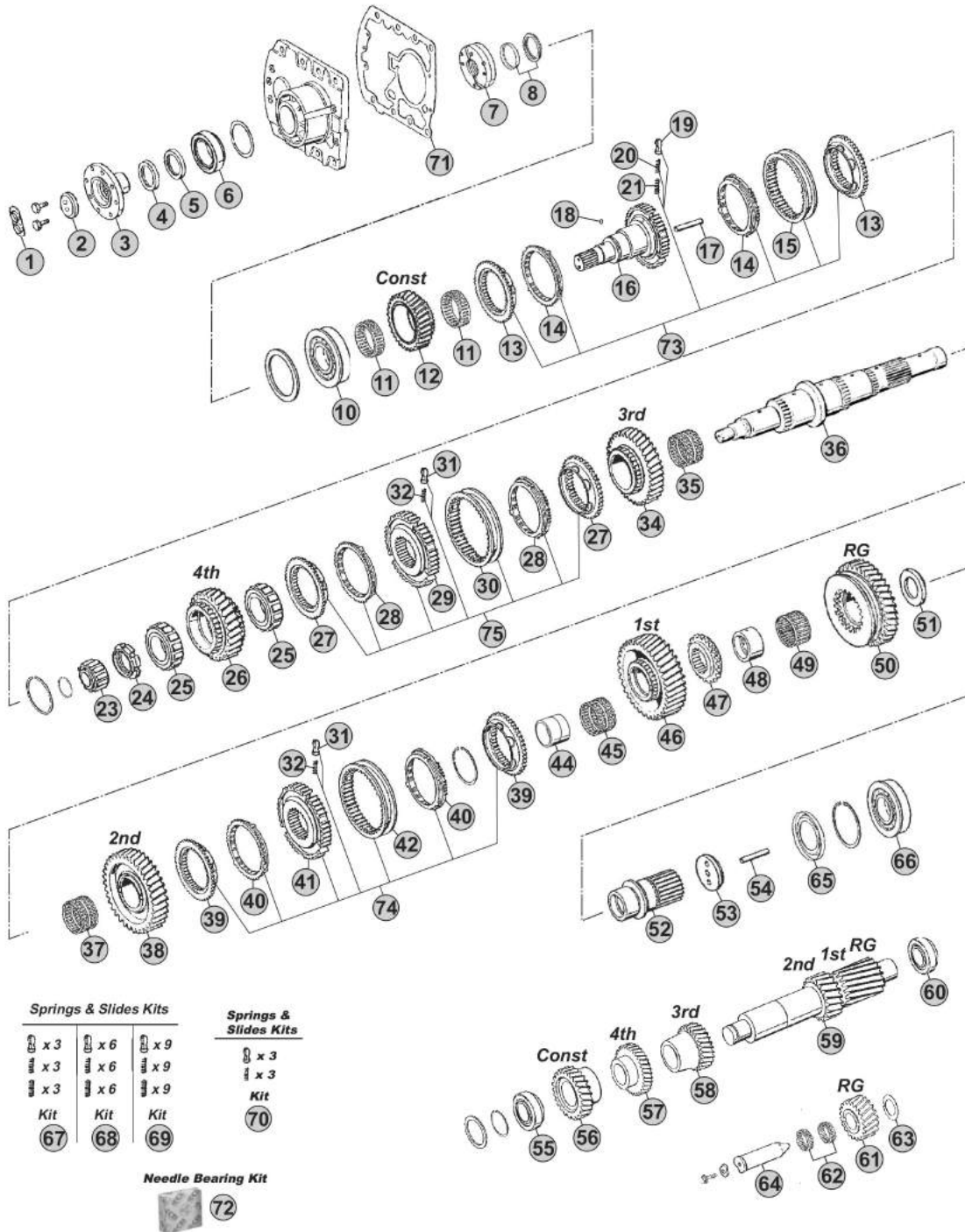


MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



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Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1				
1	188.274	1269 302 164	Stop Washer	1		●				
2	188.078	1269 302 065	Stop Washer	1		●				
3	155.135	1286 304 026	Drive Flange	1		●				
4	139.973	0734 300 140	Oil Seal 70x90x10	1		●				
5	139.974	0634 310 648	Oil Seal 70x90x10	1		●				
6	130.432	0750 117 418	Bearing	1		●				
7	280.348	1295 202 041	Oil Pump	1		●				
8	298.408	1499 298 136	Shims Kit Th. 4,35mm	1		●				
8	298.409	1499 298 135	Shims Kit Th. 4,30mm	1		●				
8	298.410	1499 298 134	Shims Kit Th. 4,25mm	1		●				
8	298.411	1499 298 133	Shims Kit Th. 4,20mm	1		●				
8	298.412	1499 298 132	Shims Kit Th. 4,15mm	1		●				
8	298.413	1499 298 131	Shims Kit Th. 4,10mm	1		●				
8	298.419	1499 298 130	Shims Kit Th. 4,05mm	1		●				
8	298.420	1499 298 129	Shims Kit Th.4,00 mm	1		●				
8	298.421	1499 298 128	Shims Kit Th.3,95 mm	1		●				
8	298.422	1499 298 127	Shims Kit Th.3,90 mm	1		●				
8	298.423	1499 298 126	Shims Kit Th.3,85 mm	1		●				
8	298.424	1499 298 125	Shims Kit Th.3,80 mm	1		●				
10	130.306	0750 117 431	Bearing 75x150x30,50	1		●				
11	137.153	0735 320 896	Needle Cage 88x96x29	2		●				
12	145.407	1297 302 241	Constant Gear 26 T	1		●				
13	109.072	1295 304 278	Synchronizer Cone	2		●				
14	119.084	1295 304 004	Synchronizer Ring	2	Old Type	●				
14	119.175	1304 304 686	Synchronizer Ring	2	New Type	●				
15	154.097	1295 304 002	Sliding Sleeve	1		●				
16	102.237	1297 202 044	Input Shaft	1		●				
17	188.211	0730 062 323	Oil Plug	1		●				
18	171.084	0635 470 012	Needle D.7x7	1		●				
19	160.116	1240 304 278	Pressure Piece	3		●				
20	156.036	0732 040 386	Inner Spring De.3x34	3		●				
21	156.037	0732 040 385	Outer Spring De.6x34	3		●				
23	137.113	0750 118 038	Roller Cage 35x68x27,50	1		●				
24	187.412	0737 502 092	Grooved Nut M60x1,5	1		●				
25	137.157	0750 118 220	Roller Cage D.63x97,5x37,50	2		●				
26	146.294	1297 304 413	Gear 4th Speed 29 T	1		●				
27	109.114	1297 304 369	Synchronizer Cone	2		●				
28	119.119	1297 304 402	Synchronizer Ring	2	Old Type	●				
28	119.167	1297 304 484	Synchronizer Ring	2	New Type	●				
29	157.140	1297 304 446	Synchronizer Hub	1		●				
30	154.135	1310 304 202	Sliding Sleeve	1		●				
31	160.189	1297 304 436	Pressure Piece	3	2x3 pcs.	●				
32	156.140	0732 040 409	Spring De.6,5x23,50	3	2x3 pcs.	●				

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16S190/A-1

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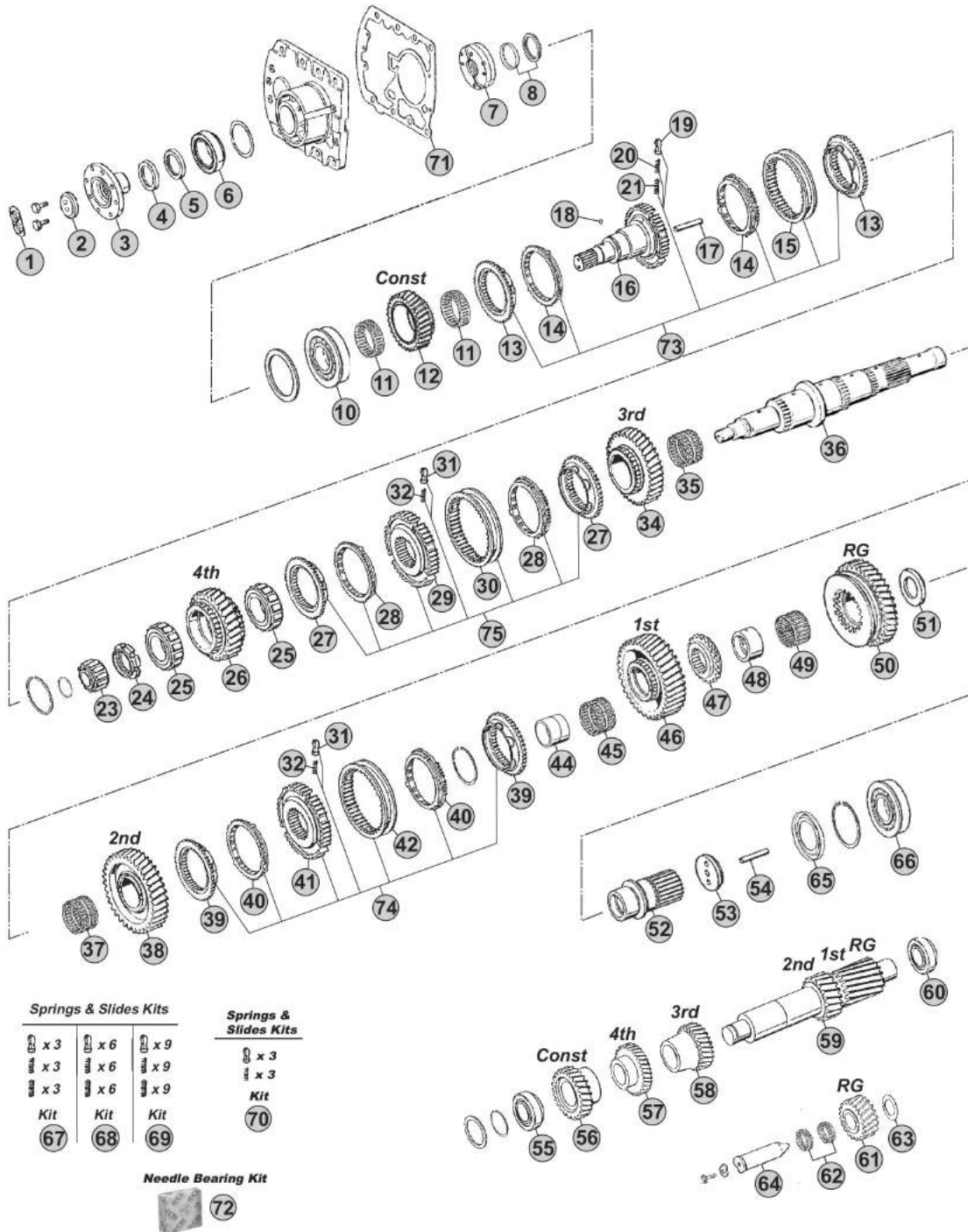
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



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Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1			
34	145.377	1297 304 414	Gear 3rd Speed 34 T	1		●			
35	137.112	0735 320 451	Needle Cage 82x90x60	1		●			
36	103.322	1297 304 221	Main Shaft	1		●			
37	137.109	0735 320 452	Needle Cage 82x90x55	1		●			
38	145.375	1297 304 442	Gear 2nd Speed 38 T	1		●			
39	109.113	1297 304 371	Synchronizer cone	2		●			
40	119.122	1297 304 401	Synchronizer Ring	2	Old Type	●			
40	119.166	1297 304 485	Synchronizer Ring	2	New Type	●			
41	157.139	1297 304 445	Synchronizer Hub	1		●			
42	154.136	1297 304 450	Sliding Sleeve	1		●			
44	117.246	1297 304 035	Bush	1		●			
45	137.110	0735 320 487	Needle Cage 82x90x68	1		●			
46	145.376	1297 304 441	Gear 1st Speed 47 T	1		●			
47	109.178	1297 304 154	Synchronizer Cone	1		●			
48	117.318	1297 304 034	Bush	1		●			
49	137.111	0735 320 486	Needle Cage 78x86x44	1		●			
50	147.140	1297 304 148	Reverse Gear 38 T	1		●			
51	169.757	1297 304 381	Thrust Washer	1		●			
52	157.241	1297 304 440	Sun Gear	1		●			
53	188.076	1272 304 021	Stop Washer	1		●			
54	189.671	0730 061 842	Oil Tube	1		●			
55	130.242	0750 117 010	Bearing 50,80x100x35	1		●			
56	146.321	1297 303 086	Constant Gear 35 T	1		●			
57	146.416	1297 303 123	Gear 4th Speed 32 T	1		●			
58	146.422	1297 303 132	Gear 3rd Speed 26 T	1		●			
59	105.093	1297 303 140	Countershaft 17/20 T	1		●			
60	130.308	0750 117 009	Bearing 49,2x103,1x43,6	1		●			
61	147.094	1295 305 052	Reverse Gear 24 T	1		●			
62	137.007	0750 115 011	Needle Cage 45x53x21	2		●			
63	169.234	0730 150 064	Thrust Washer	1		●			
64	107.276	1297 305 008	Reverse Gear Pin	1		●			
65	139.923	1297 301 004	Oil Collector	1		●			
66	130.702	0750 118 006	Bearing 65x140x33	1		●			
67	198.339	1268 298 938	Spring Slide kit	1		●			
68	198.564		Spring Slide kit	1		●			
69	198.842	1295 298 933	Spring Slide kit	1		●			
70	198.843		Spring Slide kit	1		●			
71	239.004	1313 302 044	Gasket	1		●			
72	298.425	1295 298 947	Needle Cages Kit	1		●			
73	198.724	1295 298 936	Synchro Kit	1	W/"Old Type" synchro rings	●			
73	298.323	1297 298 962	Synchro Kit	1	W/"New Type" synchro rings	●			
74	298.321	1297 298 957	Synchro Kit	1	W/"Old Type" synchro rings	●			
75	298.802	1297 298 959	Synchro Kit	1	W/"New Type" synchro rings	●			

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16S190/A-1

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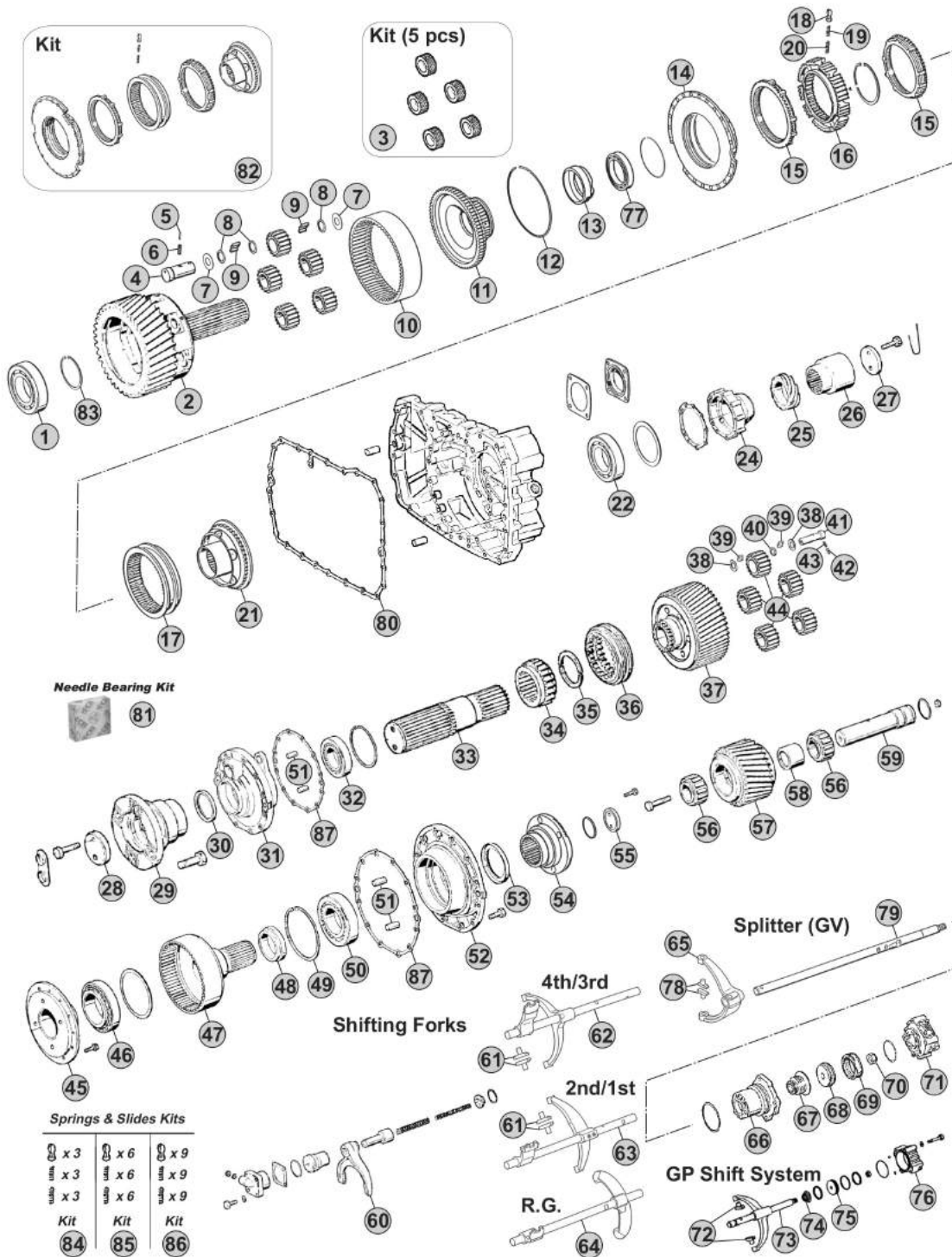
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



Springs & Slides Kits

Kit (84)	Kit (85)	Kit (86)
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9

Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1			
1	130.433	0735 410 110	Bearing 110x200x38	1		●			
2	190.557	1297 232 058	Planetary Carrier	1		●			
3	198.810	1297 232 024	Planetary Gear Set (5 pcs)	1		●			
4	107.163	1297 332 109	Planet pin	5		●			
5	160.191	0631 329 017	Lock Pin 3x24	5		●			
6	160.192	0631 329 050	Lock Pin 5x24	5		●			
7	169.753	0501 306 212	Thrust Washer 29x64x1,5	10		●			
8	169.410	0730 103 846	Spacer Ring 29x39x1,00	15		●			
9	171.045	0750 119 143	Needle 10x16,80 (120 pcs)	120		●			
10	123.208	1295 332 086	Crown Gear 86 T	1		●			
11	150.137	1297 332 035	Carrier Hub 86 T	1		●			
12	111.198	0730 505 056	Locking Wire	1		●			
13	119.255	1297 332 122	Intermediate Ring	1		●			
14	198.358	1296 233 006	Synchro Cone	1		●			
15	119.085	1296 333 022	Synchronizer Ring	2	Old Type	●			
15	119.172	1296 333 045	Synchronizer Ring	2	New Type	●			
16	157.113	1296 333 002	Synchronizer Hub	1		●			
17	154.098	1296 333 023	Sliding Sleeve	1		●			
18	160.116	1240 304 278	Pressure Piece	9		●			
19	156.036	0732 040 386	Inner Spring De.3x34	9		●			
20	156.037	0732 040 385	Outer Spring De.6x34	9		●			
21	198.374	1313 233 001	Synchronizer Cone (38 Spl.)	1		●			
22	130.245	0750 116 394	Bearing 90x160x30	1		●			
24	128.352	1297 301 023	Cover	1		●			
25	126.029	1297 338 001	Speedometer gear	1		●			
26	117.506	1297 332 039	Bush	1		●			
27	188.077	1295 332 051	Stop Washer	1		●			
28	188.077	1295 332 051	Stop Washer	1		●			
29	197.162	1297 338 010	Output Flange D.180 mm	1		●			
30	139.975	0750 111 107	Oil Seal	1		●			
31	128.341	1297 339 030	Rear Cover	1		●			
32	130.245	0750 116 394	Bearing 90x160x30	1		●			
33	103.315	1297 339 028	Output Shaft	1		●			
34	155.328	1297 339 024	Fixed Hub	1		●			
35	269.814	1297 339 005	Shim	1		●			
36	154.514	1297 339 035	Sliding Sleeve	1		●			
37	190.558	1312 237 002	Planetary Carrier	1		●			
38	269.671	0730 002 088	Washer	10		●			
39	171.088	0635 490 013	Needle 3,5x17,8	300		●			
40	269.672	0730 104 292	Ring	5		●			
41	107.222	1297 337 009	Planetary pin	5		●			
42	160.315	0631 329 014	Lock Pin	5		●			
43	160.316	0631 329 046	Lock pin	5		●			

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16S190/A-1

Date

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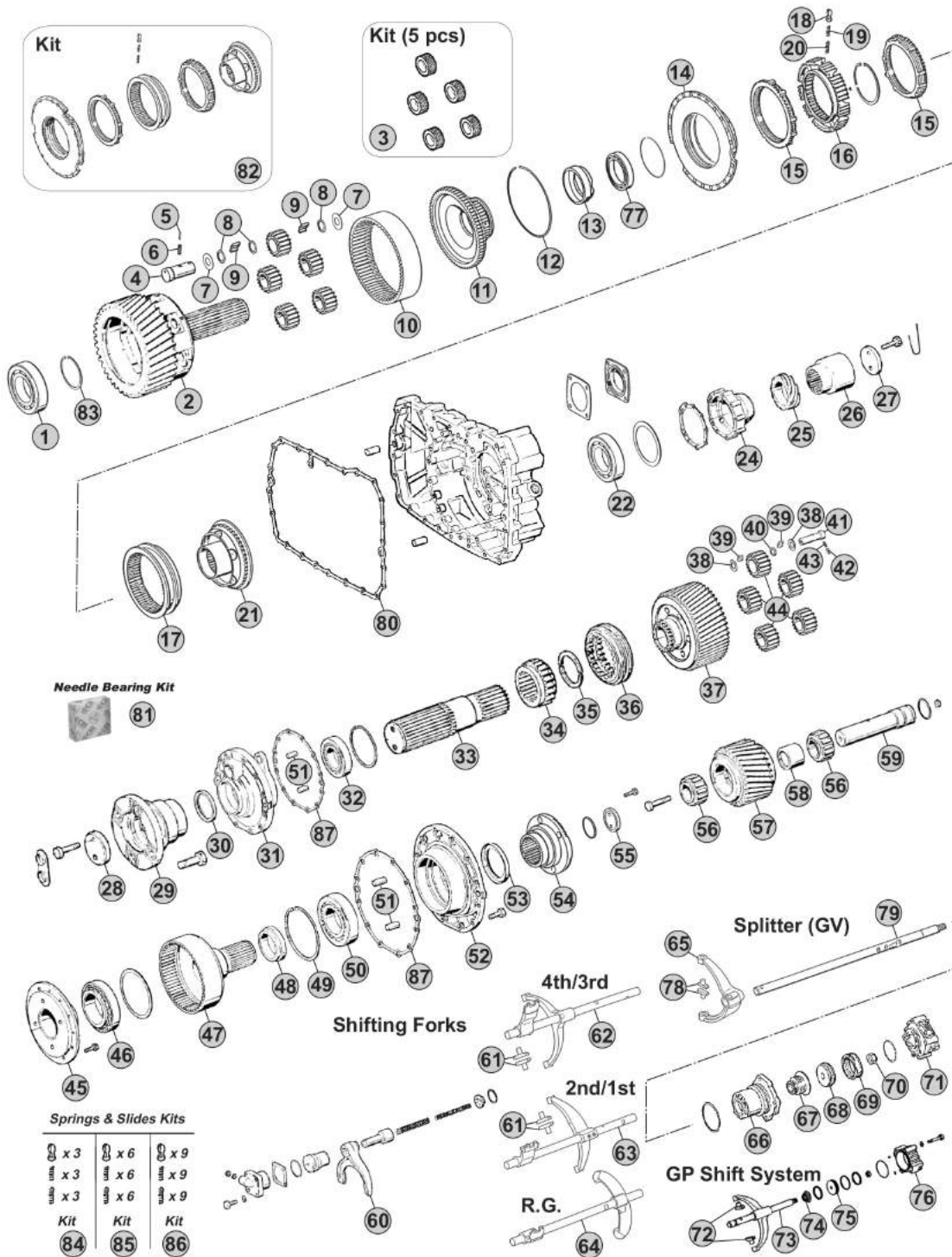
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



Springs & Slides Kits

Kit (84)	Kit (85)	Kit (86)
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9

Notes

16S190/A-1 R. 17,47-1,02

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Fig.	CEI no.	ZF no.	Description	Q.ty	Notes	16S190/A-1			
44	298.156	1297 237 005	Planetary Gear Set	1		●			
45	128.342	1297 337 017	Rear Cover	1		●			
46	130.434	0635 370 030	Bearing	1		●			
47	103.314	1297 338 048	Output Shaft	1		●			
48	269.818	1297 338 019	Thrust Ring	1		●			
49	111.441	0630 502 054	Retainer Ring	1		●			
50	130.245	0750 116 394	Bearing 90x160x30	1		●			
51	160.313	0631 306 776	Pin	2	2x2 pcs.	●			
52	128.343	1297 338 083	Cover	1		●			
53	139.975	0750 111 107	Oil Seal	1		●			
54	197.167	1297 338 041	Output Flange D.180 mm	1		●			
55	188.077	1295 332 051	Stop Washer	1		●			
56	137.016	0750 118 016	Needle Cage 55x106,5x43	2		●			
57	244.207	1312 336 001	Gear Low Speed	1		●			
58	117.505	1297 336 008	Bush	1		●			
59	160.317	1297 336 010	Pin	1		●			
60		1297 339 021	Fork	1		●			
61	141.163	1297 306 120	Slide	2	2x2 pcs.	●			
62		1297 206 110	Complete Fork	1		●			
63		1297 206 109	Complete Fork	1		●			
64	298.824	1297 206 174	Complete Fork	1		●			
65	141.086	1313 312 002	Shift Yoke	1		●			
66	132.046	1296 312 042	Cylinder	1		●			
67	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
68	189.421	1296 312 053	Piston	1		●			
69	139.912	0750 112 089	Ring 53x63x16,2	1		●			
70	287.091	0737 300 037	Nut	1		●			
71	132.085	0750 132 033	Cylinder	1		●			
72	141.085	1296 334 004	Bronze Slide	2		●			
73	149.279	1297 234 021	Selector Rod	1		●			
74	139.331	0750 112 034	Cap Collar 25x38x14,2	1		●			
75	188.278	1297 334 056	Piston	1		●			
76	132.036	1297 334 055	Cylinder	1		●			
77	130.310	0750 116 165	Bearing 80x110x16	1		●			
78	141.068	1295 306 132	Bronze Slide	2		●			
79	149.274	1297 312 011	Gear Shift Rail	1		●			
80	239.005	0501 311 961	Gasket	1		●			
81	298.425	1295 298 947	Needle Cages Kit	1		●			
82	198.748	1295 298 939	Synchronizer kit	1	W/"Old Type" synchro rings	●			
83	111.440	0630 501 058	Retainer Ring	1		●			
84	198.339	1268 298 938	Spring Slide kit	1		●			
85	198.564		Spring Slide kit	1		●			
86	198.842	1295 298 933	Spring Slide kit	1		●			

 ECOSPLIT I-II
16S190/A-1

Date

09/2014

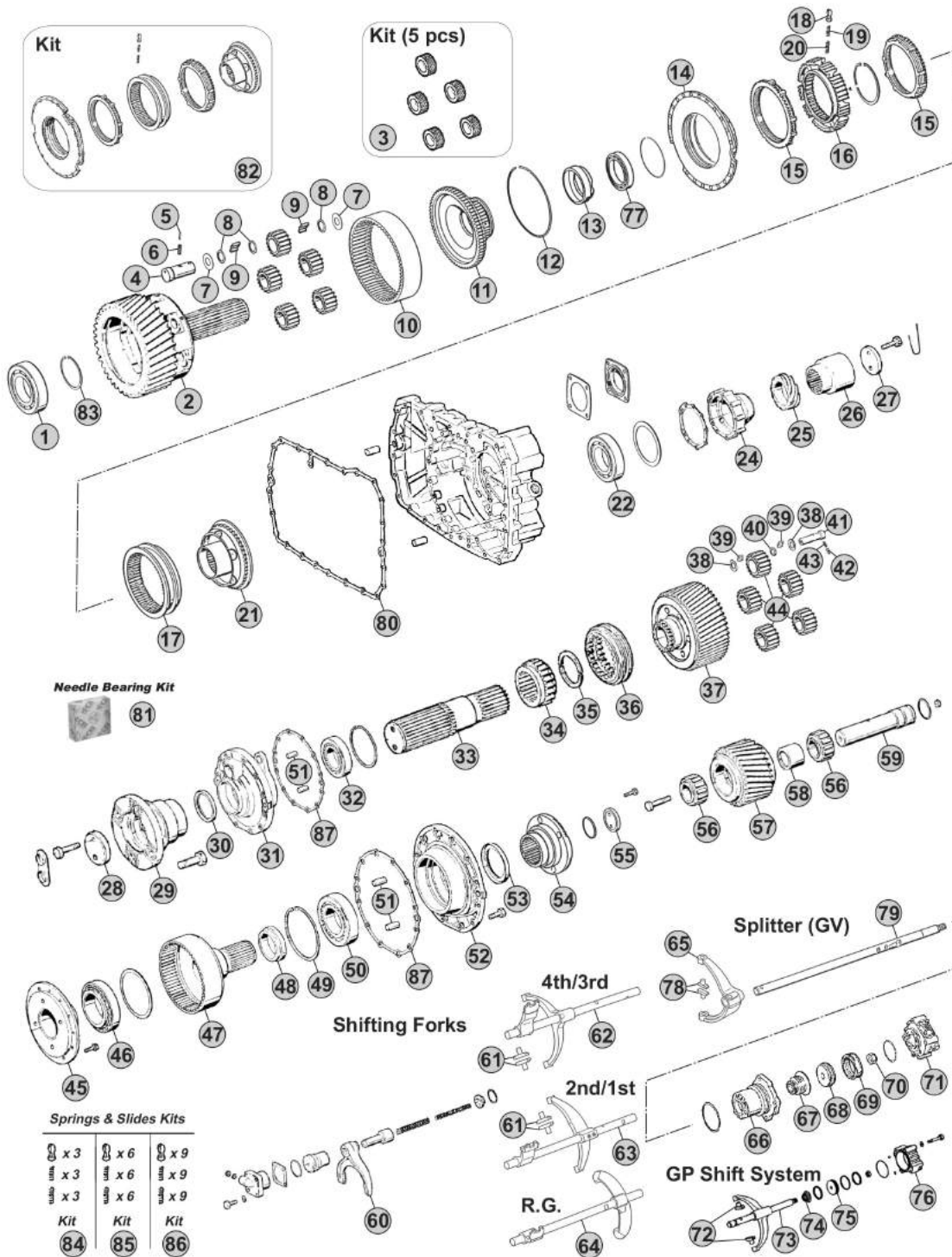
Notes

MODELS:

- ECOSPLIT I-II

VERSIONS:

- 16S190/A-1 (1297 xxx xxx)



Springs & Slides Kits

Kit (84)	Kit (85)	Kit (86)
x 3	x 6	x 9
x 3	x 6	x 9
x 3	x 6	x 9

Notes

16S190/A-1 R. 17,47-1,02

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