



**ZF5HP19FL** iss 17

Illus	Description	Part No.
<b>KITS</b>		
	Overhaul	213 02 02
<b>GASKETS</b>		
NI	Pan	213 25 03
2	Transfer case to main case	213 25 04
NI	Valve body to plate	213 25 05
<b>RUBBER COMPONENTS</b>		
10	Pump to stator support flange "O"	213 16 01
11	Stator support flange to case "O"	213 16 09
12	"C" clutch piston outer "O" ring	137 16 05
13	"C" clutch piston inner "O" ring	208 16 04
16	"B" clutch piston inner "O" ring	213 16 02
17	"B" clutch piston outer "O" ring	180 16 11
20	"A" clutch piston outer "O" ring	157 16 01
21	"A" clutch piston inner "O" ring	183 16 05
22	"A" clutch "O" ring	213 16 03
25	"E" clutch inner "O" ring	213 16 04
26	"E" clutch outer "O" ring	180 16 05
27	"E" clutch oil dam "O" ring	137 16 06
28	Input shaft "O" ring	213 16 05
29	Input shaft "O" ring	213 16 06
32	"D" clutch inner "O" ring	137 16 06
33	"D" clutch outer "O" ring	137 16 05
34	"G" clutch outer "O" ring	213 16 02
35	"G" clutch inner "O" ring	180 16 09
36	Freewheel shaft "O" ring	2 157 16 04
39	"F" clutch inner "O" ring	137 16 06
40	"F" clutch outer "O" ring	213 16 02
41	"F" cylinder "O" ring	157 16 02
44	RH drive flange cover "O" ring	213 16 08
45	Speed sender to case "O" ring	2 183 16 17
<b>METAL CLAD SEALS</b>		
48	Converter 45 x 58 x 7	212 15 01
49	Transfer shaft 37.5 x 88 x 16	213 15 04
NI	Selector shaft 12 x 22 x 5	213 15 02
50	Diff to trans 34 x 46/47 x 12/16	213 15 05
51	Drive shaft 75 x 90 x 8	213 15 06
52	Drive shaft 60 x 80 x 7.5	213 15 07
<b>SHAFT SEALING RINGS</b>		
54	Stator support	2 213 26 01
55	Stator support	1 213 26 02
56	Intermediate shaft	1 213 26 03
57	Intermediate shaft	1 157 26 02
58	Free wheel shaft	1 157 26 05
59	Free wheel shaft	1 157 26 04
<b>CLUTCH PLATES</b>		
60	"C" clutch friction 169 X 1.6 X 40T	4 212 11 01
61	"C" clutch steels	4 212 13 06
62	"C" clutch spring steel	1 213 12 17
63	"C" clutch outer steel	1 213 12 18
64	"C" clutch diaphragm spring	1 213 24 01
70	"B" clutch friction 155 X 2.0 X 30T	2 213 11 01
71	"B" clutch steel	2 213 12 04
72	"B" clutch spring steel	1 213 12 05
73	"B" clutch outer steel	1 213 12 06
74	"B" clutch diaphragm spring	1 213 24 08
80	"A" clutch friction 147 X 1.6 X 30T	5 183 11 03

Illus	Description	Part No
81	"A" clutch steel	5 183 12 02
82	"A" clutch spring steel	1 157 12 02
83	"A" clutch outer steel	1 183 13 02
84	"A" clutch diaphragm spring	1 213 24 02
90	"E" clutch friction 213 X 1.6 X 36T	5 213 11 03
91	"E" clutch steel	5 213 12 19
92	"E" clutch spring steel	1 213 12 10
93	"E" clutch outer steel	1 213 12 20
94	"E" clutch diaphragm spring	1 213 24 03
100	"F" clutch friction 135 X 1.6 X 30T	6 157 11 03
101	"F" clutch steel	5 213 12 12
102	"F" clutch spring steel	1 213 12 13
104	"F" clutch diaphragm spring 119 X 74 X 12T	1 213 24 04
110	"D" clutch friction 147 X 1.6 X 30T	6 183 11 05
111	"D" clutch steel	6 183 12 02
112	"D" clutch spring steel	1 183 12 04
113	"D" clutch outer steel	1 183 13 02
114	"D" clutch diaphragm spring	1 213 24 07
120	"G" clutch friction 135 X 1.6 X 30T	4 157 11 03
121	"G" clutch steel	4 213 12 22
122	"G" clutch spring steel	1 213 12 13
123	"G" clutch outer steel	1 213 12 23
124	"G" clutch diaphragm spring	1 213 24 06
<b>FILTER</b>		
NI	Main pick up	213 27 02
NI	Valve body thimble screen	208 27 02
<b>BUSHES &amp; BEARINGS</b>		
131	Sun gear needle bush 30.8 x 50 x 5	1 213 21 01
132	"F" cyl eared bush	1 157 21 01
133	Transfer gear bearing 46 x 75 x 18	4 212 21 02
134	Transfer gear bearing 34.9 x 65x18	2 212 21 04
135	Output flange bearing 35x62x14	1 213 21 02
136	Diff bearing 41x 68x17.5	1 213 21 03
137	Diff bearing 53.9x 88.9x 19	1 213 21 04
138	Trans shaft bearing 41.2x 82.5x63.1	1 213 21 05
139	Drive shaft bearing	
<b>THRUST WASHERS</b>		
144	Pump seal washer	1 212 22 01
145	Stator needle thrust 57.9x 88x 2.8	1 213 23 02
146	Stator support shim 3.60	AR 183 22 08
146	Stator support shim 3.40	AR 183 22 09
146	Stator support shim 3.20	AR 183 22 10
146	Stator support shim 3.00	AR 183 22 11
146	Stator support shim 2.80	AR 183 22 12
146	Stator support shim 2.60	AR 183 22 13
146	Stator support shim 2.40	AR 183 22 14
146	Stator support shim 2.20	AR 183 22 15
146	Stator support shim 2.00	AR 183 22 16
146	Stator support shim 1.80	AR 183 22 17
146	Stator support shim 1.60	AR 183 22 18
146	Stator support shim 1.40	AR 183 22 19
146	Stator support shim 1.20	AR 183 22 20
146	Stator support shim 1.00	AR 183 22 21
147	"A" cyl needle thrust 57.9x75.5x3.6	1 213 23 02
151	Front inter shaft needle set	1 213 23 03
152	Rear inter shaft needle set	1 213 23 04
153	Planetary needle set	1 213 23 05
154	Ring gear needle set	1 213 23 06
157	"G" cyl thrust	1 157 22 14
158	Park lock wheel needle set (rear)	1 213 23 07
160	Ring gear needle set (rear)	1 213 23 08
161	Gearset needle set (rear)	1 213 23 08
164	Needle set 33x 52x 5	1 213 23 09
165	Selective washer 5.10	AR 213 22 01A
165	Selective washer 4.90	AR 213 22 01B
165	Selective washer 4.70	AR 213 22 01C
165	Selective washer 4.50	AR 213 22 01D



Iss 01/05/98

Please quote the full transmission code when ordering parts

1997 on - 5 speed front wheel drive. Audi &amp; Porsche

**ZF 5HP19 FL  
1019 030**

Illus	Description	Part No.	Illus	Description	Part No.
165	Selective washer 4.30	AR 213 22 01E	169	Transfer shaft shim 1.30	AR 213 22 04W
165	Selective washer 4.10	AR 213 22 01F	169	Transfer shaft shim 1.27	AR 213 22 04X
165	Selective washer 3.90	AR 213 22 01G	169	Transfer shaft shim 1.24	AR 213 22 04Y
165	Selective washer 3.70	AR 213 22 01H	169	Transfer shaft shim 1.21	AR 213 22 04Z
165	Selective washer 3.50	AR 213 22 01J	169	Transfer shaft shim 1.18	AR 213 22 04AA
165	Selective washer 3.30	AR 213 22 01K	169	Transfer shaft shim 1.15	AR 213 22 04AB
165	Selective washer 3.10	AR 213 22 01L	169	Transfer shaft shim 1.12	AR 213 22 04AC
165	Selective washer 2.90	AR 213 22 01M	169	Transfer shaft shim 1.09	AR 213 22 04AD
165	Selective washer 2.70	AR 213 22 01N	169	Transfer shaft shim 1.06	AR 213 22 04AE
167	Shim 2.00	AR 213 22 02A	169	Transfer shaft shim 1.03	AR 213 22 04AF
167	Shim 1.95	AR 213 22 02B	169	Transfer shaft shim 1.00	AR 213 22 04AG
167	Shim 1.90	AR 213 22 02C	169	Transfer shaft shim 0.97	AR 213 22 04AH
167	Shim 1.85	AR 213 22 02D	170	Crown wheel to cover shim 1.90	AR 213 22 05A
167	Shim 1.80	AR 213 22 02E	170	Crown wheel to cover shim 1.85	AR 213 22 05B
167	Shim 1.75	AR 213 22 02F	170	Crown wheel to cover shim 1.80	AR 213 22 05C
167	Shim 1.70	AR 213 22 02G	170	Crown wheel to cover shim 1.75	AR 213 22 05D
167	Shim 1.65	AR 213 22 02H	170	Crown wheel to cover shim 1.70	AR 213 22 05E
167	Shim 1.60	AR 213 22 02J	170	Crown wheel to cover shim 1.65	AR 213 22 05F
167	Shim 1.55	AR 213 22 02K	170	Crown wheel to cover shim 1.60	AR 213 22 05G
167	Shim 1.50	AR 213 22 02L	170	Crown wheel to cover shim 1.55	AR 213 22 05H
167	Shim 1.45	AR 213 22 02M	170	Crown wheel to cover shim 1.50	AR 213 22 05J
167	Shim 1.40	AR 213 22 02N	170	Crown wheel to cover shim 1.45	AR 213 22 05K
167	Shim 1.35	AR 213 22 02P	170	Crown wheel to cover shim 1.40	AR 213 22 05L
167	Shim 1.30	AR 213 22 02R	170	Crown wheel to cover shim 1.35	AR 213 22 05M
167	Shim 1.25	AR 213 22 02S	170	Crown wheel to cover shim 1.30	AR 213 22 05N
167	Shim 1.20	AR 213 22 02T	170	Crown wheel to cover shim 1.25	AR 213 22 05P
167	Shim 1.15	AR 213 22 02U	170	Crown wheel to cover shim 1.20	AR 213 22 05R
167	Shim 1.10	AR 213 22 02V	170	Crown wheel to cover shim 1.15	AR 213 22 05S
167	Shim 1.05	AR 213 22 02W	170	Crown wheel to cover shim 1.10	AR 213 22 05T
167	Shim 1.00	AR 213 22 02X	170	Crown wheel to cover shim 1.05	AR 213 22 05U
168	Shim 1.90	AR 213 22 03A	170	Crown wheel to cover shim 1.00	AR 213 22 05V
168	Shim 1.85	AR 213 22 03B	171	Crown wheel inside shim 1.95	AR 213 22 06A
168	Shim 1.80	AR 213 22 03C	171	Crown wheel inside shim 1.90	AR 213 22 06B
168	Shim 1.75	AR 213 22 03D	171	Crown wheel inside shim 1.85	AR 213 22 06C
168	Shim 1.70	AR 213 22 03E	171	Crown wheel inside shim 1.80	AR 213 22 06D
168	Shim 1.65	AR 213 22 03F	171	Crown wheel inside shim 1.75	AR 213 22 06E
168	Shim 1.60	AR 213 22 03G	171	Crown wheel inside shim 1.70	AR 213 22 06F
168	Shim 1.55	AR 213 22 03H	171	Crown wheel inside shim 1.65	AR 213 22 06G
168	Shim 1.50	AR 213 22 03J	171	Crown wheel inside shim 1.60	AR 213 22 06H
168	Shim 1.45	AR 213 22 03K	171	Crown wheel inside shim 1.55	AR 213 22 06J
168	Shim 1.40	AR 213 22 03L	171	Crown wheel inside shim 1.50	AR 213 22 06K
168	Shim 1.35	AR 213 22 03M	171	Crown wheel inside shim 1.45	AR 213 22 06L
168	Shim 1.30	AR 213 22 03N	171	Crown wheel inside shim 1.40	AR 213 22 06M
168	Shim 1.25	AR 213 22 03P	171	Crown wheel inside shim 1.35	AR 213 22 06N
168	Shim 1.20	AR 213 22 03R	171	Crown wheel inside shim 1.30	AR 213 22 06P
168	Shim 1.15	AR 213 22 03S	171	Crown wheel inside shim 1.25	AR 213 22 06R
168	Shim 1.10	AR 213 22 03T	171	Crown wheel inside shim 1.20	AR 213 22 06S
168	Shim 1.05	AR 213 22 03U	171	Crown wheel inside shim 1.15	AR 213 22 06T
168	Shim 1.00	AR 213 22 03V	171	Crown wheel inside shim 1.10	AR 213 22 06U
169	Transfer shaft shim 1.87	AR 213 22 04A	171	Crown wheel inside shim 1.05	AR 213 22 06V
169	Transfer shaft shim 1.84	AR 213 22 04B	171	Crown wheel inside shim 1.00	AR 213 22 06W
169	Transfer shaft shim 1.81	AR 213 22 04C	<b>CIRCLIPS</b>		
169	Transfer shaft shim 1.78	AR 213 22 04D	180	"C" clutch selective 2.80	AR 213 32 01A
169	Transfer shaft shim 1.75	AR 213 22 04E	180	"C" clutch selective 2.60	AR 213 32 01B
169	Transfer shaft shim 1.72	AR 213 22 04F	180	"C" clutch selective 2.40	AR 213 32 01C
169	Transfer shaft shim 1.69	AR 213 22 04G	180	"C" clutch selective 2.20	AR 213 32 01D
169	Transfer shaft shim 1.66	AR 213 22 04H	180	"C" clutch selective 2.00	AR 213 32 01E
169	Transfer shaft shim 1.63	AR 213 22 04J	180	"C" clutch selective 1.80	AR 213 32 01F
169	Transfer shaft shim 1.60	AR 213 22 04K	180	"C" clutch selective 1.60	AR 213 32 01G
169	Transfer shaft shim 1.57	AR 213 22 04L	180	"C" clutch selective 1.40	AR 213 32 01H
169	Transfer shaft shim 1.54	AR 213 22 04M	181	"B" clutch selective 2.00	AR 213 32 02A
169	Transfer shaft shim 1.51	AR 213 22 04N	181	"B" clutch selective 1.80	AR 213 32 02B
169	Transfer shaft shim 1.48	AR 213 22 04P	181	"B" clutch selective 1.60	AR 213 32 02C
169	Transfer shaft shim 1.45	AR 213 22 04R	181	"B" clutch selective 1.40	AR 213 32 02D
169	Transfer shaft shim 1.42	AR 213 22 04S	181	"B" clutch selective 1.20	AR 213 32 02E
169	Transfer shaft shim 1.39	AR 213 22 04T	181	"B" clutch selective 1.00	AR 213 32 02F
169	Transfer shaft shim 1.36	AR 213 22 04U	182	"A" clutch selective 2.80	AR 183 32 01
169	Transfer shaft shim 1.33	AR 213 22 04V	182	"A" clutch selective 2.60	AR 157 32 07



Illus	Description	Part No.	Illus	Description	Part No
182	"A" clutch selective 2.40	AR 183 32 03	220	"B" clutch cyl	213 29 04
182	"A" clutch selective 2.20	183 32 04	221	"B" clutch piston	213 45 07
182	"A" clutch selective 2.00	183 32 05	222	"B" clutch stop ring	213 29 03
			223	"A" clutch cyl	213 29 05
182	"A" clutch selective 1.80	183 32 05	224	"A" clutch piston	213 45 03
182	"A" clutch selective 1.60	183 32 07	225	"A" clutch stop ring	213 29 06
182	"A" clutch selective 1.40	183 32 08	229	Collar - input shaft	213 29 07
182	"A" clutch selective 1.20	183 32 09	230	Input shaft	213 64 01
182	"A" clutch selective 1.00	183 32 10	231	"E" clutch piston	213 45 08
183	Input shaft retaining ring	213 32 03	232	"E" clutch oil dam	213 29 08
184	"E" clutch oil dam retainer	213 32 04	233	Intermediate shaft	213 29 09
			234	Sun gear shaft	157 65 01
185	"E" clutch oil retainer 2.80	157 32 18	235	Sun gear & shell	213 65 03
185	"E" clutch oil retainer 2.60	157 32 19	240	Planet carrier	213 66 03
185	"E" clutch oil retainer 2.40	157 32 20	241	Ring gear	157 29 14
185	"E" clutch oil retainer 2.20	157 32 21			
185	"E" clutch oil retainer 2.00	157 32 22	242	Ring gear shaft	213 29 11
185	"E" clutch oil retainer 1.80	157 32 23	243	Spider clutch bell	213 29 27
			244	Free wheel shaft	157 29 17
185	"E" clutch oil retainer 1.60	157 32 24	245	Free wheel	157 44 02
185	"E" clutch oil retainer 1.50	213 32 05	246	Free wheel washer	157 22 08
185	"E" clutch oil retainer 1.40	157 32 25			
185	"E" clutch oil retainer 1.20	157 32 26	247	"D" clutch piston	157 45 09
185	"E" clutch oil retainer 1.00	157 32 27	248	"D" & "G" clutch cyl	213 29 28
			249	"G" clutch piston	213 45 05
186	Shaft to ring gear retainer	183 32 24	250	"F" clutch cyl	213 29 19
190	Freewheel shaft	213 32 11	255	"F" clutch piston	213 45 06
191	"D" clutch plate retainer sel 4.20	AR 213 32 06A	256	"F" clutch pressure plate	213 29 20
191	"D" clutch plate retainer sel 4.00	AR 157 32 04	257	"F" clutch stop ring	213 29 21
191	"D" clutch plate retainer sel 3.80	AR 213 32 06B	258	Ring gear carrier shaft	157 29 23
191	"D" clutch plate retainer sel 3.60	AR 213 32 06C	259	Ring gear	157 29 24
191	"D" clutch plate retainer sel 3.40	AR 213 32 06D	260	Planet carrier	213 66 02
191	"D" clutch plate retainer sel 3.20	AR 213 32 06E			
			261	Sun gear & flange	213 65 02
191	"D" clutch plate retainer sel 3.00	157 32 06	265	Drive pinion	213 29 29
191	"D" clutch plate retainer sel 2.80	183 32 01	266	Driven pinion	213 29 30
191	"D" clutch plate retainer sel 2.60	157 32 07	267	Idler pinion	213 29 31
191	"D" clutch plate retainer sel 2.40	183 32 03	268	Transfer shaft bearing ring	213 29 32
191	"D" clutch plate retainer sel 2.20	183 32 04			
			269	Park lock spring	213 29 33
192	Circlip	157 32 12	270	Park lock wheel	213 29 34
			275	Transfer shaft nut	213 29 35
193	"G" clutch plate retainer sel 3.40	157 32 09	276	Crown wheel, pinion & shaft	213 68 01
193	"G" clutch plate retainer sel 3.20	157 32 10	277	Differential	
193	"G" clutch plate retainer sel 3.00	157 32 11	278	Differential cover	213 29 36
193	"G" clutch plate retainer sel 2.80	180 32 03	279	Oil baffle plate	213 29 37
193	"G" clutch plate retainer sel 2.60	180 32 05	280	Output flange	213 29 38
			285	Sealing ring	213 29 39
193	"G" clutch plate retainer sel 2.40	180 32 07	286	Drive shaft support	213 29 40
193	"G" clutch plate retainer sel 2.20	180 32 09			
193	"G" clutch plate retainer sel 2.00	180 32 11	287	Speed sender magnetic ring	213 29 41
193	"G" clutch plate retainer sel 1.80	180 32 13	288	Drive shaft	213 29 42
194	"F" cyl bush retainer	180 32 17		<b>ELECTRICAL</b>	
			NI	Inhibitor switch	213 35 06
195	"F" clutch plate retainer sel 2.80	180 32 03	300	Speed sender	213 35 07
195	"F" clutch plate retainer sel 2.60	180 32 05	NI	Valve body wire harness	213 35 08
195	"F" clutch plate retainer sel 2.40	180 32 07	NI	Pressure regulator	213 35 09
195	"F" clutch plate retainer sel 2.20	180 32 09	NI	Pressure regulator	213 35 10
195	"F" clutch plate retainer sel 2.00	180 32 11	NI	Solenoid valve	213 35 11
195	"F" clutch plate retainer sel 1.80	180 32 13		<b>CONVERTERS</b>	
195	"F" clutch plate retainer sel 1.60	180 32 15		Passat 1.8 codes 010, 013, 023	213 30 07
195	"F" clutch plate retainer sel 1.40	180 32 17		Passat 2.3 codes 024, 025	213 30 11
195	"F" clutch plate retainer sel 1.20	180 32 19		Passat V6 2.4 code 014	213 30 05
				Passat V6 2.8 code 003, 005	213 30 05
				Passat V6 2.8 codes 011, 012	213 30 08
198	Ring gear to shaft retainer	157 32 13		V6 2.4 code 008	213 30 12
				V6 2.6 code 004	213 30 12
199	Transfer shaft	213 32 09		V8 3.7 code 006	213 30 06
200	LH drive shaft	213 32 10		V6 2.5 TDI codes 028, 029	213 30 09
	<b>HARD PARTS</b>			Porsche 2.5 code 031	213 30 14
210	Pump	213 38 04		<b>TOOLS</b>	
211	Pump wear plate	213 38 05		Wallchart	213 33 11
212	Stator support assembly	213 39 02			
213	"C" clutch cyl	213 29 02			
214	"C" clutch piston	213 45 01			
215	"C" clutch stop ring	213 29 03			