



ZF4HP20 iss 2

ZF 4HP20

1019 000

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1997 on - 4 speed front wheel drive. Transmissions code 1019 000 ###
Citroen Xantia & ZX, Mercedes Benz V Class, Peugeot 306 & 406, Renault Laguna

Iss 01/04/98



Illus	Description	Part No.	Illus	Description	Part No
	KITS			"C" details for 005, 006, 007, 008, 010, 018	
	Master overhaul Mercedes	212 01 01	70	"C" clutch friction 198 X 1.6 X 30T (1)	212 11 02
	Overhaul Mercedes	212 02 01	71	"C" clutch steel (1)	212 12 05
	Gasket & rubber Mercedes	212 03 01	72	"C" clutch steel (1)	212 12 06
	Master O/H Alfa,Citroen, Fiat, Peugeot, Renault	212 01 02	73	"C" clutch diaphragm spring (1)	212 24 03
	Overhaul Alfa,Citroen, Fiat, Peugeot, Renault	212 02 02		"C" details for 009, 013, 014, 015, 016, 017, 019, 020, 021, 022, & 023	
	Gasket/RubberAlfa,Citroen, Fiat, Peugeot, Renault	212 03 02	74	"C" clutch friction 200 X 2.2 X 24T (2)	212 11 04
			75	"C" clutch steel (1)	212 12 16
			76	"C" clutch diaphragm spring (1)	212 24 06
	GASKETS			"E" details for 005, 006, 007, 008, 010, 018	
NI	Pan	212 25 03	80	"E" clutch friction 179 X 1.6 X 30T (4/5)	212 11 03
1	Converter case to main case		81	"E" clutch steel (4/5)	212 12 07
	006, 009, 010, 013, 014, 015, 016, 017, 018, 020	212 25 01	82	"E" clutch spring steel (1)	212 12 08
1	005, 007, 008, 019	212 25 05	82	"E" clutch spring steel (005 only) (1)	212 12 17
2	Converter case to main case (short)	212 25 02			
NI	Valve body separator plate	212 25 04			
	RUBBER COMPONENTS				
10	Pump to case "O" ring	212 16 01	83	"E" clutch outer selective 4.80mm	212 13 07
11	"A" clutch outer "O" ring	208 16 06	83	"E" clutch outer selective 4.40mm	212 13 08
12	"A" clutch inner "O" ring	157 16 01	83	"E" clutch outer selective 3.90mm	212 12 09
13	"D" clutch moulded piston	212 45 01	84	"E" clutch diaphragm spring	212 24 04
14	"C" clutch moulded piston			"E" details for 009, 013, 014, 015, 016, 017, 019, & 021	
	005, 006, 007, 008, 010, 018	212 45 02	80	"E" clutch friction 179 X 1.6 X 30T (5)	212 11 03
14	"C" clutch moulded piston 009, 013, 014, 015, 016, 017, 019, 020, 021, 022, & 023	212 45 06	81	"E" clutch steel (5)	212 12 18
		212 45 06	82	"E" clutch spring steel (1)	212 12 17
15	Oil dam "O" ring	212 16 04	83	"E" clutch outer selective 4.80mm	212 12 19
16	"E"clutch piston outer "O" ring	212 16 04	83	"E" clutch outer selective 3.90mm	212 12 20
17	"E"clutch piston inner "O" ring	212 16 05	84	"E" clutch diaphragm spring	212 24 04
18	"B" clutch piston outer "O" ring	208 16 04		"B" details for 006, 007, 008, 010, 018	
19	"B" clutch piston inner "O" ring	212 16 06	90	"B" clutch friction 179 X 1.6 X 30T (2)	212 11 03
20	Oil dam "O" ring	212 16 07	91	"B" clutch steel 3.90mm (1)	212 12 09
21	Filter "O" ring	212 16 02	92	"B" clutch steel 2.40mm (1)	212 12 10
22	Heat exchanger "O"ring (2)	212 16 03			
NI	Wiring Harness "O" ring (2)	212 16 18			
	METAL CLAD SEALS				
30	Converter	212 15 01	93	"B" clutch outer selective 3.00mm	212 13 10
31	Right hand drive shaft seal (40 x 58 x 10)		93	"B" clutch outer selective 2.70mm	212 13 11
	006, 009, 010, 013, 014, 015, 016, 017, 018, 019, 020	212 15 02	93	"B" clutch outer selective 2.40mm	212 12 10
32	Left hand drive shaft seal (40 x 64 x 8)		93	"B" clutch outer selective 2.10mm	212 12 07
	006, 009, 010, 013, 014, 015, 016, 017, 018, 019, 020	212 15 03	93	"B" clutch outer selective 1.80mm	212 13 14
31	Right hand drive shaft seal (40 x 58 x 10/19)		94	"B" clutch spring steel	212 12 08
	005, 007, 008, 021, 022, 023	212 15 05	95	"B" clutch pot	212 13 15
32	Left hand drive shaft seal (45 x 62 x 7)		96	"B" clutch diaphragm spring	212 24 05
	005, 007, 008, 021, 022, 023	212 15 04		"B" details for 005,009,013,014,015, 016, 017,019,&021	
	SHAFT SEALING RINGS		90	"B" clutch friction 179 X 1.6 X 30T (3)	212 11 03
40	'E' clutch carrier shaft sealing ring	212 26 01	91	"B" clutch steel 3.90mm (1)	212 12 20
			92	"B" clutch steel 2.40mm (2)	212 12 21
	CLUTCH PLATES				
50	"A" clutch friction 169 X 1.6 X 40T (3)	212 11 01	93	"B" clutch outer selective 3.00mm	212 13 22
51	"A" clutch steel (3)	212 12 01	93	"B" clutch outer selective 2.70mm	212 13 23
52	"A" clutch spring steel (1)	212 12 02	93	"B" clutch outer selective 2.40mm	212 12 21
53	"A" clutch outer selective 3.60mm	212 13 01	93	"B" clutch outer selective 2.10mm	212 12 18
53	"A" clutch outer selective 3.30mm	212 13 02	93	"B" clutch outer selective 1.80mm	212 13 24
53	"A" clutch outer selective 3.00mm	212 13 03	94	"B" clutch spring steel	212 12 17
54	"A" clutch diaphragm spring	212 24 01	95	"B" clutch pot	212 13 16
	"D" details for 005, 006, 007, 008, 010, 018		96	"B" clutch diaphragm spring	212 24 05
60	"D" clutch friction 169 X 1.6 X 40T (4)	212 11 01		FILTER	
61	"D" clutch steel (4)	212 12 03	110	Main pick up	
62	"D" clutch outer selective 2.40mm	212 13 04		006, 009, 010, 013, 014, 015, 016, 017, 018, 020	212 27 01
62	"D" clutch outer selective 2.10mm	212 13 05		005, 007, 008, 019	212 27 02
62	"D" clutch outer selective 1.80mm	212 12 03		BUSHES & BEARINGS	
63	"D" clutch spring steel	212 12 04	115	Spur gear roller bearing 46 x 75 x 18	212 21 02
64	"D" clutch diaphragm spring	212 24 02	116	Spur gear roller bearing 48 x 80.9 x 19	212 21 03
	"D" details for 009, 013, 014, 015, 016, 017, 019, 020, 021, 022, & 023		117	Idler gear bearing 34.9 x 65 x 18	212 21 04
60	"D" clutch friction 169 X 1.6 X 40T (4)	212 11 01	118	Idler gear bearing 29.9 x 62 x 18.1	212 21 05
61	"D" clutch steel (4)	212 12 12	119	Diff assembly bearing 50 x 80 x 20 (2)	212 21 06
62	"D" clutch outer selective 2.40mm	212 12 13		THRUST WASHERS	
62	"D" clutch outer selective 2.10mm	212 13 14	129	Pump seal washer	
62	"D" clutch outer selective 1.80mm	212 12 12	130	Idler gear selective shim 1.20mm	212 22 20
63	"D" clutch spring steel	212 12 04	130	Idler gear selective shim 1.15mm	212 22 21
64	"D" clutch diaphragm spring	212 24 02	130	Idler gear selective shim 1.10mm	212 22 22
			131	Diff. assembly shim 2.00mm	212 22 23
			131	Diff. assembly shim 1.95mm	212 22 24
			131	Diff. assembly shim 1.90mm	212 22 25
			131	Diff. assembly shim 1.85mm	212 22 26



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Illus	Description	Part No.	Illus	Description	Part No
131	Diff. assembly shim 1.80mm	212 22 27	160	"C" & "D" clutch carrier 005,006,007,008,010,018	212 29 04
131	Diff. assembly shim 1.75mm	212 22 28	160	"C" & "D" clutch carrier 009, 013, 014, 015, 016, 017, 019, 020, 021, 022, & 023	212 29 21
131	Diff. assembly shim 1.70mm	212 22 29			212 29 21
131	Diff. assembly shim 1.65mm	212 22 30	161	"C" clutch cylinder 005,006,007,008,010,018	212 29 05
131	Diff. assembly shim 1.60mm	212 22 31	161	"C" clutch cylinder 009, 013, 014, 015, 016, 017, 019, 020, 021, 022, & 023	212 29 22
131	Diff. assembly shim 1.55mm	212 22 32			212 29 22
131	Diff. assembly shim 1.50mm	212 22 33	162	"E" clutch carrier	212 29 06
131	Diff. assembly shim 1.45mm	212 22 34	163	"E" stop ring	212 29 07
131	Diff. assembly shim 1.40mm	212 22 35	164	"E" oil dam	212 29 08
131	Diff. assembly shim 1.35mm	212 22 36	165	"E" piston 006, 007, 008, 010, 018	212 45 04
131	Diff. assembly shim 1.30mm	212 22 37	165	"E" piston 009, 013, 014, 015, 016, 017, 019, 021	212 45 07
131	Diff. assembly shim 1.25mm	212 22 38	166	Input shaft	212 64 01
131	Diff. assembly shim 1.20mm	212 22 39	167	"B" clutch piston	212 45 05
131	Diff. assembly shim 1.15mm	212 22 40	168	"B" clutch oil dam	212 29 09
131	Diff. assembly shim 1.10mm	212 22 41	169	"B" stop ring	212 29 10
132	Spur gear adjusting shim 6.30mm	212 22 42	172	Speedo drive gear	212 60 01
132	Spur gear adjusting shim 6.25mm	212 22 43	173	Speedo driven gear 006, 010	212 60 02
132	Spur gear adjusting shim 6.20mm	212 22 44	173	Speedo driven gear 009,013,015,016,017,018,020	212 60 04
132	Spur gear adjusting shim 6.15mm	212 22 45	173	Speedo driven gear 014	212 60 05
132	Spur gear adjusting shim 6.10mm	212 22 46	174	Speedo driven gear housing	
132	Spur gear adjusting shim 6.05mm	212 22 47	175	Diff assembly 005, 007, 008, 021, 022, 023	212 68 03
132	Spur gear adjusting shim 6.00mm	212 22 48	175	Diff assembly 006, 010, 014	212 68 04
132	Spur gear adjusting shim 5.95mm	212 22 49	175	Diff assembly 009, 013, 015, 016, 017, 018, 020	212 68 05
132	Spur gear adjusting shim 5.90mm	212 22 50	176	Crown wheel 007, 008, 022, 023,	212 68 01
132	Spur gear adjusting shim 5.85mm	212 22 51	176	Crown wheel 005, 006, 009, 010, 013, 014	212 68 02
132	Spur gear adjusting shim 5.80mm	212 22 52	176	Crown wheel 015, 016, 017, 018, 019, 020, 021	212 68 02
132	Spur gear adjusting shim 5.75mm	212 22 53	177	Idler gear assembly 006, 010, 018, 019, 020	212 29 11
132	Spur gear adjusting shim 5.70mm	212 22 54	177	Idler gear assembly 005, 014, 015, 016, 017, 021	212 29 17
132	Spur gear adjusting shim 5.65mm	212 22 55	177	Idler gear assembly 007, 022	212 29 18
132	Spur gear adjusting shim 5.60mm	212 22 56	177	Idler gear assembly 008, 023	212 29 19
132	Spur gear adjusting shim 5.55mm	212 22 57	177	Idler gear assembly 009, 013	212 29 20
132	Spur gear adjusting shim 5.50mm	212 22 58	180	Oil tank	
132	Spur gear adjusting shim 5.45mm	212 22 59	181	Baffle plate	
132	Spur gear adjusting shim 5.40mm	212 22 60	182	Baffle plate	
133	Needle thrust	212 23 01	183	Heat exchanger	212 41 01
	CIRCLIPS			ELECTRICAL	
140	"D" clutch	212 32 01	190	Switch 006, 009, 010, 011, 013, 014, 015, 016, 017, 018, 020 005, 007, 008	212 35 01 212 35 03
141	"C" clutch selective 1.90mm	212 32 02	NI	Valve body harness	212 35 02
141	"C" clutch selective 1.80mm	212 32 03		MISCELLANEOUS	
141	"C" clutch selective 1.70mm	212 32 04	NI	Wall chart	212 33 10
141	"C" clutch selective 1.60mm	212 32 05		CONVERTERS	
141	"C" clutch selective 1.50mm	212 32 06		Alfa Romeo & Fiat Code 019	212 30 05
141	"C" clutch selective 1.40mm	212 32 07		Citroen Code 017	212 30 02
141	"C" clutch selective 1.30mm	212 32 08		Mercedes Codes 005, 007, 008, 021, 022, 023	212 30 01
142	"D" clutch selective 3.80mm	212 32 09		Peugeot Codes 009, 013, 014, 015	212 30 02
142	"D" clutch selective 3.65mm	212 32 10		Peugeot Code 006	212 30 03
142	"D" clutch selective 3.50mm	212 32 11		Peugeot Code 010, 018, 020	212 30 04
142	"D" clutch selective 3.35mm	212 32 12		Renault Code 016	212 30 02
142	"D" clutch selective 3.20mm	212 32 13			
142	"D" clutch selective 3.05mm	212 32 14			
143	"E" clutch	212 32 15			
144	"B" clutch	212 32 16			
145	"E" clutch friction carrier	212 32 17			
	HARD PARTS				
150	Pump & Stator assembly (150 + 151)	212 38 01			
151	Stator shaft & support	212 39 01			
152	Sun gear shaft	212 65 01			
153	Stop ring	212 29 01			
154	"A" clutch piston	212 45 03			
155	Locknut	212 37 01			
156	Locknut tab washer	212 29 02			
157	Bearing centre support	212 43 01			
158	Spur gear 006, 008, 010, 018, 019, 020, 023	212 29 03			
158	Spur gear 005, 007, 014, 015, 016, 017, 021, 022	212 29 15			
158	Spur gear 009, 013	212 29 16			