



Iss 01/05/97

3 speed transverse front wheel drive, no lock up.
 Mazda 323, 626, 1981 on. Nova GM, Toyota 1985 on. Ford Australia 1982 on.
 Chevrolet MX1 Spectrum, Isuzu 1985 on. Pontiac Canada 1985 on

MAZDA
F3A

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS						
	Master (Mazda)		172 01 01				
	Master (Spectrum & Pontiac)		172 01 02				
	Master (Isuzu)		172 01 03				
	Overhaul (Mazda)		172 02 01				
	Overhaul (Spectrum, Pontiac)		172 02 02				
	Overhaul (Isuzu)		172 02 03				
	Gasket & rubber		172 03 01				
	Shaft sealing ring kit		172 06 01				
	METAL CLAD SEALS						
	Converter		172 15 01				
	Axle seals (2)		172 15 02				
	CLUTCH PLATES						
	Forward friction 114mm x 1.5 x 44T (3)		131 11 01				
	Forward steel 116mm x 1.9 x 28T std (3)		131 12 01				
	Forward steel 116mm x 0.08 x 28T sel (A/R)		131 12 05				
	Direct friction 114mm x 1.5 x 44T (4)		131 11 01				
	Direct steel 116mm x 1.9 x 28T std (3)		131 12 01				
	Direct steel 116mm x 0.8 x 28T sel (A/R)		131 12 05				
	Direct steel (dished spring - no teeth) (2)		131 12 02				
	Low & reverse friction 147mm x 1.5 x 62T (4)		172 11 02				
	Low & reverse steel (flat) (4)		172 12 02				
	Low & reverse steel (dished) (1)		172 12 03				
	BRAKE BANDS						
	Band		172 14 01				
	FILTER						
	Pick up		172 27 01				
	VACUUM MODULATOR						
	Modulator		131 28 01				
	THRUST WASHERS						
	Rear gearset planets 0.890" x 0.475" x 0.020"		131 22 01				
	TOOLS						
	Manual		172 33 20				

MAZDA
4EAT & F4A-EL

Mazda 4EAT, Protege, 323 (90 On), Ford Escort (USA)

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Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS						
	Master - 323, MX3 Protege	90-96	176 01 01				
	Master - Protege	97-98	176 01 02				
	Overhaul		176 02 01				
	Overhaul Protege	97-98	176 02 02				
	Friction & steel module	90-91	176 07 01				
	Friction & steel module	92-	176 07 03				
	Friction only module	90-	176 07 02				
	GASKETS						
	Pan		176 25 01				
	Pump		176 25 02				
	Upper valve body		176 25 05				
	Lower valve body		176 25 06				
	CLUTCH PLATES						
	Forward clutch friction 125 x 1.6 x 42T (3/4)		176 11 01				
	Forward steel 1.6 x 32T (3/4)		176 12 01				
	Forward pressure		176 13 03				
	Coast clutch friction 115 x 1.6 x 16T (2)		176 11 02				
	Coast clutch steel 1.6 x 26T (2)		176 12 02				
	Coast pressure		176 13 02				
	Reverse clutch friction 175 x 1.6 x 45T (2)		176 11 03				
	Reverse clutch steel 1.6 x 32T (2)		176 12 03				
	Reverse pressure		176 13 01				
	Low clutch friction 180 x 1.6 x 48T (4)		176 11 04				
	Low clutch steel 1.6 x 16T (4)		176 12 04				
	Overdrive clutch friction 110 x 1.6 x 22T (4)		176 11 05				
	Overdrive clutch steel 1.6 x 38T (4)		176 12 05				
	Overdrive clutch steel 1.8 x 38T (A/R)		176 12 06				
	Overdrive clutch steel 2.3 x 38T (A/R)		176 12 07				
	BRAKE BANDS						
	Intermediate		176 14 01				
	FILTER						
	Pickup		176 27 01				
	TOOLS						
	Manual		176 33 20				



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Mazda 626,929, & MX-6 1987 on (see Nissan for 929 with RE4-RO1A)
Mazda Xedos 92 on
Ford Probe 2.2 litre

MAZDA
G4A-HL (gov) G4A-EL (elec)

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
KITS							
	Master 626 G4A-EL - non turbo	86-87	166 01 01		Forward pressure selective 5.9mm		166 13 13
	Master 626 G4A-EL/HL - turbo and non turbo	87-92	166 01 02		Forward pressure selective 6.1mm		166 13 14
	Master 929 N4A	88-91	166 01 04		Forward pressure selective 6.3mm		166 13 15
	Master RX7 N4A 929	88-92	166 01 04		Forward pressure selective 6.5mm		166 13 16
	Master 626 & MX6, GF4A-EL turbo and non turbo	93-95	166 01 05		Forward pressure selective 6.7mm		166 13 17
					Forward pressure selective 8.9mm		166 13 18
	Overhaul 626 G4A-EL - non turbo	86-87	166 02 01				
	Overhaul 626 electronic turbo and non turbo	87-92	166 02 02		3rd & 4th friction 118mm x 50T x 1.60mm (5)		166 11 04
	Overhaul 929 N4A	88-91	166 02 04		3rd & 4th steel 1.6 X 16T exc turbo (5)	86/87	166 12 06
	Overhaul RX7 N4A	88-92	166 02 04		3rd & 4th steel 1.6 X 30T exc turbo (5)	88 up	166 12 04
	Overhaul 626 & MX6, GF4A-EL turbo and non turbo	93-95	166 02 05		3rd & 4th steel 2.3 X 30T turbo only	89 up	166 12 07
	Overhaul Millenia 2.5 litre		166 02 05		3rd & 4th steel 3.3 X 30T		166 12 11
	Friction/steel module 626 G4A-EL/HL	86-87	166 07 01		3rd & 4th pressure sel 5.0mm 1.8 & 2.0 non inj		166 13 19
	Friction only module 626 G4A-EL/HL	86-87	166 07 02		3rd & 4th pressure sel 5.2mm 1.8 & 2.0 non inj		166 13 20
	Friction/steel module 626 G4A-EL no turbo	88-92	166 07 03		3rd & 4th pressure sel 5.4mm 1.8 & 2.0 non inj		166 13 21
	Friction only module 626 G4A-EL no turbo	88-92	166 07 04		3rd & 4th pressure sel 5.6mm 1.8 & 2.0 non inj		166 13 22
	Friction/steel module 626, MX6 G4A-EL with turbo	88-	166 07 05		3rd & 4th pressure sel 3.8mm 2.2 with inj		166 13 23
	Friction only module 626, MX6 G4A-EL with turbo	88-	166 07 06		3rd & 4th pressure sel 4.0mm 2.2 with inj		166 13 24
	Accumulator rubber ring kit		166 05 02		3rd & 4th pressure sel 4.2mm 2.2 with inj		166 13 25
	Shaft sealing ring		166 06 01		3rd & 4th pressure sel 4.4mm 2.2 with inj		166 13 26
	Bushing kit non turbo		166 09 01		3rd & 4th pressure sel 4.6mm 2.2 with inj		166 13 27
	Bushing kit turbo		199 06 02		3rd & 4th pressure sel 4.8mm 2.2 with inj		166 13 28
GASKETS							
	Pan		166 25 01		Low & rev friction 196 x 58 Vee T x 1.65 (hydraulic) (3)		166 11 01
	Pump		166 25 02		Low & rev friction 196 x 58 Sq T x 1.65 (elect.) (3)		166 11 05
	Valve cover		166 25 03		Low & rev steel 15 teeth (3)		166 12 05
RUBBER COMPONENTS							
	Rev clutch inner "O" ring		166 16 01		Low & reverse pressure selective 6.8mm		166 13 29
	3 & 4 clutch inner "O" ring		166 16 02		Low & reverse pressure selective 7.0mm		166 13 30
	Servo "D" seal 38mm i/d		166 17 01		Low & reverse pressure selective 7.2mm		166 13 31
METAL CLAD SEALS							
	Pump		166 15 01		Low & reverse pressure selective 7.4mm		166 13 32
	Axle (2)		166 15 02		Low & reverse pressure selective 7.6mm		166 13 33
					Low & reverse pressure selective 7.8mm		166 13 34
SHAFT SEALING RINGS							
	Pump (turbine shaft) (4)		166 26 01		BRAKE BANDS		
	Turbine shaft (output gear) (2)		166 26 02		Band non turbo 38mm wide		166 14 01
	Piston seal (2)		166 26 03		Band turbo 46mm wide		166 14 02
	Upper accumulator piston (1)		166 26 04		FILTER		
	Lower accumulator piston (1)		166 26 05		Filter 16mm deep by 4 holes		166 27 01
	Turbine shaft (1)		166 26 06		Filter 39mm deep by 3 holes		166 27 02
					Filter 29mm deep by 3 holes		166 27 03
					Filter for Xedos G4A-EL		166 27 05
CLUTCH PLATES							
	Reverse friction 196mm x 58"V" T x 1.65mm (3)	86-87	166 11 01		THRUST WASHERS		
	Reverse friction 196mm x 58"SQ" T x 1.65mm (3)	88-	166 11 05		Needle thrust rear of pump 85.6 x 66 x 3.3		166 23 01
	Reverse steel 1.6 x 12 T (3)	86-93	166 12 01		Race rear of pump selective 37.5 x 66 x 1.2		166 22 02
	Reverse steel 1.6 x 32 T (3)	93 -	166 12 09		Race rear of pump selective 37.5 x 66 x 1.4		166 22 03
					Race rear of pump selective 37.5 x 66 x 1.6		166 22 04
	Reverse pressure selective 6.6mm thick		166 13 01		Race rear of pump selective 37.5 x 66 x 1.8		166 22 05
	Reverse pressure selective 6.8mm thick		166 13 02		Race rear of pump selective 37.5 x 66 x 2.0		166 22 06
	Reverse pressure selective 7.0mm thick		166 13 03		Race rear of pump selective 37.5 x 66 x 2.2		166 22 07
	Reverse pressure selective 7.2mm thick		166 13 04				
	Reverse pressure selective 7.4mm thick		166 13 05		Needle thrust front of forward drum 56 x 36 x 2.8		166 23 02
	Reverse pressure selective 7.6mm thick		166 13 06		Needle thrust front of gearset 56 x 36 x 2.8		166 23 02
	Reverse diaphragm spring 184mm dia. (1 or 2)	87only	166 24 01		Needle thrust front of 3-4 clutch drum		166 32 02
	Reverse diaphragm spring 184mm dia. .065 thick	88-	166 24 02		Needle thrust overrunning clutch (2)		166 23 03
					Needle thrust planet gear to rear of brake drum		166 32 04
	Coast friction 131 x 44 Vee T x 1.55 (hydraulic) (2)	86-87	166 11 02		Needle thrust output shell to 3-4 clutch drum		166 32 05
	Coast friction 131 x 44 Sq T x 1.55 (electronic) (2)	88 on	166 11 06				
	Coast steel 1.6 x 32T (2)		166 12 02		Output sheel thrust 72 x 54 x 1.2		166 22 07
					Front of gearset thrust 72 x 54 x 1.2		166 22 07
	Coast pressure selective 4.6mm thick		166 13 07		Rear of gearset thrust 57 x 36.5 x 1.2		166 22 08
	Coast pressure selective 4.8mm thick		166 13 08				
	Coast pressure selective 5.0mm thick		166 13 09		Front g/set planet small 0.750" x 0.410" x 0.038"		166 22 01
	Coast pressure selective 5.2mm thick		166 13 10		Front g/set planet large 0.930" x 0.480" x 0.030"		166 22 02
	Coast pressure selective 5.4mm thick		166 13 11		CIRCLIPS		
	Coast pressure selective 5.6mm thick		166 13 12		Input shaft		166 32 01
	Forward friction 140mm x 48T x 1.80mm (3)	86-	166 11 03		Forward clutch		166 32 02
	Forward steel 1.6 X 8T (3)	86-93	166 12 03		Coast clutch		166 32 03
	Forward steel 1.6 X 32T (3)	93 -	166 12 08		Coast clutch piston return spring		166 32 04
					Reverse clutch diaphragm spring		166 32 05

MAZDA
G4A-HL (gov) G4A-EL (elec)

Mazda 626,929, & MX-6 1987 on
Mazda Xedos 92 on
Ford Probe 2.2 litre



Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	Reverse clutch		166 32 06				
	Low & reverse clutch		166 32 06				
	OWC		166 32 06				
	Sun gear	(2)	166 32 07				
	Gearset (front)		166 32 08				
	Annulus		166 32 09				
	3-4 clutch		166 32 10				
	3-4 clutch piston		166 32 11				
	Band servo piston		166 32 12				
	HARD PARTS						
	Pump assembly		166 38 01				
	Pump housing		166 38 02				
	Pump stator		166 38 03				
	Pump rotor		166 38 04				
	Pump vane kit		166 38 05				
	Pump drive key		166 38 06				
	Stator support		166 39 01				
	Input sprag		166 44 01				
	OWC		166 44 02				
	Reverse clutch piston		166 45 01				
	Forward clutch piston		166 45 02				
	Coast clutch piston		166 45 03				
	Low & reverse clutch piston		166 45 04				
	3-4 clutch piston		166 45 05				
	Band servo piston assembly		166 45 06				
	2-3 accumulator assembly		166 45 07				
	Main case		166 53 01				
	Converter housing		166 55 01				
	Bottom pan		166 56 01				
	Valve body cover		166 56 02				
	Governor assembly		166 59 01				
	Valve body assbly (single solenoid)		166 61 01				
	Sun gear		166 65 01				
	Gearset		166 66 01				
	Differential assembly		166 68 01				
	Output / idler gear assembly		166 68 02				
	Forward / reverse clutch drum		166 29 01				
	Forward clutch inner hub		166 29 02				
	Coast clutch inner hub		166 29 03				
	Sun gear brake drum		166 29 04				
	Low & reverse inner hub		166 29 05				
	Gearset annulus		166 29 06				
	3-4 clutch drum		166 29 07				
	Output shell		166 29 08				
	Turbine shaft		166 29 09				
	Pump shaft		166 29 10				
	Reverse clutch diaphragm spring		166 24 01				
	Low & reverse piston return spring assembly		166 24 02				
	Coast clutch piston return spring assembly		166 24 03				
	3-4 clutch piston return spring assembly		166 24 04				
	ELECTRICAL						
	Solenoid pack		166 35 01				
	Lockup solenoid & harness G4A-HL	88 -	166 35 02				
	TOOLS						
	Manual G4A EL		166 33 20				
	Manual G4A HL		166 33 21				



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Mazda Millenia 2.3 litre 93 - 97

**MAZDA
LJ4AEL**

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS						
	Master		202 02 01				
	Overhaul		202 02 01				
	GASKETS						
	Pan gasket		215 25 01				