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Opel, Toyota, Vauxhall, Volvo
4 speed rear wheel drive with lock up.
Transmission code 03-71L (A43DL) & 03-71LE (A43DE)

AISIN-WARNER

(03-71LE) A43DE

(03-71L) A43DL

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS						
	Overhaul - Toyota, Volvo, Vauxhall (combo kit)	to 87	159 02 03		1st brake steel 1.6 x 8T		112 12 03
	Overhaul - Vauxhall	87 on	159 02 11		1st brake steel 1.8 x 8T	(3/4)	159 12 11
	Overhaul - Volvo		159 02 13		1st brake steel 2.0 x 8T	or (AR)	159 12 12
	Overhaul (combo with A46DE)		159 02 10		1st brake steel 2.0 x 8T	or (AR)	112 12 05
					1st brake steel 2.3 x 8T	or (AR)	112 12 05
					1st brake pressure plate 4.0	(1)	159 13 04
	Gasket & rubber		159 03 03		2nd brake friction 126mm x 2.4 x 24T	(3)	112 11 01
	Shaft sealing rings		159 06 03		2nd brake friction 126mm x 2.0 x 24T	or (3)	159 11 03
	Needle thrusts & races		159 10 01		2nd brake steel 1.6 x 8T	std (1)	112 12 03
	Plain thrusts		159 10 02		2nd brake steel 1.8 x 8T	(AR)	159 12 11
					2nd brake steel 2.0 x 8T	(AR)	159 12 12
					2nd brake steel 2.3 x 8T	std (2)	112 12 05
					2nd brake steel 3.0 X 8T	(AR)	159 12 05
					2nd brake pressure stepped 2.5 to 4.0		159 13 05
	GASKETS				Low - reverse friction 126mm x 2.3 x 16T	(5)	112 11 02
	Pan		112 25 01		Low - reverse steel 1.8 x 15T	(4)	112 12 04
	V/B upper large for 03-71L (Volvo as kit 159 02 13)		159 25 09		Low - reverse pressure front (also OWC hub)		159 44 05
	V/B lower large for 03-71L (Volvo as kit 159 02 13)		159 25 10		Low - reverse pressure 4.0 stepped	(1)	159 13 06
	V/B upper small for 03-71L (Volvo as kit 159 02 13)		159 25 11				
	V/B lower small for 03-71L (Volvo as kit 159 02 13)		159 25 23				
	V/B upper large for 03-71LE		159 25 16		FILTER		
	V/B lower large for 03-71LE		159 25 17		Pick up for 03-71L		159 27 03
	V/B upper small for 03-71LE		159 25 15		Pick up for 03-71LE		159 27 04
	Filter for 03-71L		159 25 21		BUSHES & BEARINGS		
	Filter for 03-71LE		159 25 20		Pump		112 21 01
	Extension		112 25 02		Stator (front) 24.8 o/d x 21.5 i/d x 17.2 long		159 21 02
	Cover plate rear of case		112 25 07		Stator (rear) 26.2 o/d x 23.0 i/d x 17.2 long		159 21 03
					Overdrive sun gear	(2)	112 21 07
					Overdrive input shaft		112 21 08
					Centre support		112 21 03
	METAL CLAD SEALS				Sun gear	(2)	112 21 05
	Converter		112 15 01		Output shaft		112 21 04
	Extension - Toyota		159 15 01		Case		112 21 06
	Extension - Vauxhall		120 15 02		Extension (Toyota & Senator)		159 21 01
	Extension - Vauxhall Senator 2.5i (55 x 41 x 10)	87-	159 15 02		Extension (Volvo)		110 21 13
	Volvo		110 15 03				
	SHAFT SEALING RINGS				THRUST WASHERS		
	Pump - plastic butt joint	(2)	159 26 01		Pump combo needle 43 x 24.5 x 31 N x 2.75		159 23 01
	OD housing rear	(2)	159 26 02		Pump race 39 x 24.5 x 0.80 x 3.30 cup		159 22 04
	Centre support - steel lock joint	(3)	159 26 02		OD drum & sun to g/set 37.5 x 25 x 2 x 32 N		159 23 02
	Sun shaft	(2)	112 26 01		OD drum & sun to g/set 37.5 x 25 x 0.80 x flat		159 22 01
	Output shaft	(3)	112 26 03		OD g/set to r/gear 48 x 23 x 0.80 steel, 3 tangs		159 22 03
	Intermediate shaft 14mm dia	(1)	159 26 03		OD g/set to r/gear 42 x 24.5 x 1.5 bi-met, 4 tangs		159 22 02
					OD r/gear to OD house 47.3 x 30 x 0.80x 3.2 cup		159 22 05
					OD r/gear to OD house 46.5x 28.5 x 2 x 34 N		112 23 03
					OD r/g to OD house 44.5 x 27.8 x 0.80 x 3.3. T/hat		112 22 09
					OD housing to fwd cyl 37.5 x 24.2 x 0.80 x 4.2 T/hat		112 22 06
					OD housing to fwd cyl needle		112 23 02
					Fwd hub to direct 48.3 x 30 x 0.80 x 4 cup		112 22 08
					Fwd hub to direct 46.5 x 28.3 x 2 x 34 N		112 23 03
					Fwd hub to direct 44.5 x 27.8 x 0.80 x 3.3. T/hat		112 22 09
					Fwd cyl to fwd hub 37.5 x 24.2 x 0.80 x 4.2 T/hat		112 22 06
					Fwd cyl to fwd hub needle		112 23 02
					Fwd cyl to fwd hub 37.5 x 21.8 x 0.80x 5.4 T/hat		112 22 07
					OD g/set 73 x 46.5 x stepped sect 4 lugs(P)		159 22 08
					Mid to rear g/set 76.5 x 50 x 1.5 x 4 lugs (P)		159 22 06
					Mid to rear g/set 75 x 51.5 x 1 x 4 inner lugs (S)		159 22 07
					Rear of sun 37.5 x 24.2 x 0.80 x 4.2 T/hat		112 22 06
					Rear of sun needle		112 23 02
					Rear of sun 37.5 x 21.8 x 0.80 x 5.4 T/hat		112 22 07
					R/gear to output shaft 48.3 x 30 x 0.80 x 4 cup		112 22 08
					R/gear to output shaft 46.5 x 28.3 x 2 x 34 N		112 23 03
					Case to output shaft 57.5 x 39.3 x 0.80 x 3.2 cup		112 22 02
					Case to output shaft 55 x 38.2 x 2 x 48 N		112 23 01
					Front gearset planets 0.840" x 0.500" x 0.018"		159 22 10

**AISIN-WARNER
 A43DE (03-71LE)**

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4 speed rear wheel drive with lock up.
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A43DL (03-71L)

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	Rear gearset planets 0.840" x 0.500" x 0.018"		159 22 10				
	TUBES						
	Overdrive clutch feed		159 63 01		Rear planet carrier - 2.5E, 3.0		159 66 04
	Forward feed		159 63 02		Rear planet carrier - 2.2E, 2.3		159 66 06
					Intermediate shaft		159 29 09
					Rear planet ring gear		159 66 05
					Output shaft		
	CIRCLIPS				ELECTRICAL		
	Overdrive one way clutch		159 32 01		Overdrive solenoid		159 35 03
	Overdrive clutch pressure plate outer		159 32 06				
	Overdrive clutch pressure plate inner		159 32 02				
	Overdrive brake piston		159 32 03				
	Overdrive brake pressure plate		159 32 03				
	Forward clutch pressure plate outer		159 32 06				
	Forward clutch pressure plate inner		159 32 02				
	Direct clutch pressure		159 32 06				
	Direct clutch piston		159 32 04				
	First brake pressure		159 32 06				
	First brake piston		159 32 08				
	Second brake pressure		159 32 06				
	Sun gear		159 32 09				
	Low & reverse pressure plate to case		159 32 10				
	Gearset one way clutch		159 32 07				
	Low & reverse piston		159 32 08				
	SPRINGS						
	Overdrive clutch release (20)		159 24 01				
	Overdrive brake (12)		159 24 01				
	Forward clutch (20)		159 24 01				
	Direct clutch (18)		159 24 01				
	First brake (12)		159 24 01				
	Second brake (20)		159 24 01				
	Low & reverse brake (16)		159 24 01				
	HARD PARTS						
	Pump assembly		159 38 01				
	Short pump Vauxhall / Opel		159 38 02				
	OD gearset one way clutch - 20 cams		159 44 01				
	OD gearset OWC outer race		159 44 02				
	Input shaft & OD gearset		159 66 01				
	OD gearset ring gear		159 66 02				
	OD clutch cylinder & sun gear		159 65 01				
	OD clutch piston		159 45 01				
	OD brake aluminium housing		159 29 04				
	OD brake piston		159 45 10				
	Drive shaft & fwd cyl 2.2E,2.3TD		159 29 06				
	Drive shaft & fwd cyl 2.5E, 3.0		159 29 05				
	Forward clutch piston (for 4 friction)		159 45 11				
	Forward clutch piston (for 5 friction)		159 45 09				
	Forward & direct spring assembly (2)		159 29 10				
	Forward clutch hub		159 29 10				
	Forward clutch end plate & direct clutch input hub		159 29 11				
	Spring seat retainer						
	Piston - direct clutch		159 45 08				
	Direct clutch cylinder		159 29 07				
	1st & 2nd brake spring assemblies (2)						
	1st brake piston (2)		159 45 07				
	Centre support		159 29 08				
	Sprag clutch - front - 18 cams		112 44 01				
	2nd brake hub						
	2nd brake piston		159 45 06				
	Planetary sun gear & shaft		112 65 01				
	Inner race & reaction		159 44 05				
	Sprag clutch - rear - 26 cams		112 44 02				
	Front planet carrier		159 66 03				
	Front planet ring gear						