



Iss 10/08/98

Volvo & Toyota  
4 speed rear wheel drive non lock up.  
Transmission codes 03-70 & 03-71

**AISIN-WARNER**  
**(03-70, 03-71) A42D**

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
<b>KITS</b>							
	Master	77-81	159 01 02		Direct steel	(2)	112 12 02
	Master	81 on	159 01 08		Direct pressure plate		112 13 01
	Overhaul	77-81	159 02 02		Direct packing plate (0.50mm)		159 12 08
	Overhaul - Combination	81 on	159 02 08		Direct packing plate (0.80mm)		159 12 09
	Overhaul - Volvo	81 on	159 02 12		1st brake friction 126mm x 2.4 x 24T	(1)	112 11 01
	Gasket & Rubber	77-81	159 03 02		1st brake steel	(1)	112 12 03
	Gasket & Rubber	81 on	159 03 08		1st brake pressure plate		112 13 02
	Shaft sealing ring	77-81	159 06 02		2nd brake friction 126mm x 2.4 x 24T	(3)	112 11 01
	Shaft sealing ring	81 on	159 06 03		2nd brake steel	(1)	112 12 03
	Friction & steel module - 2.4 frictions		112 07 01		2nd brake steel	(2)	112 12 05
					2nd brake pressure plate		112 13 01
<b>GASKETS</b>					Low -reverse friction 126mm x 2.3 x 16T	(5)	112 11 02
	Pan		112 25 01		Low - reverse steel	(4)	112 12 04
	Valve body upper large		159 25 05		Low - reverse pressure plate		112 13 03
	Valve body lower large		159 25 06		<b>FILTER</b>		
	Valve body upper small		159 25 07		Pick up		159 27 02
	Valve body lower small		159 25 08		<b>BUSHES</b>		
	Valve body upper large - Volvo (in kit 159 02 12)	to 82	159 25 18		Pump		112 21 01
	Valve body lower large - Volvo (in kit 159 02 12)	to 82	159 25 14		Stator (front) 24.8 o/d x 21.5 i/d x 9.6 long		112 21 02
	Valve body upper small - Volvo (in kit 159 02 12)	to 82	159 25 22		Stator (rear) 24.8 o/d x 21.5 i/d x 17.2 long		159 21 02
	Valve body lower small - Volvo (in kit 159 02 12)	to 82	159 25 12		Overdrive sun gear	(2)	112 21 07
	Filter - Volvo		159 25 19		Overdrive input shaft		112 21 08
	Extension		112 25 02		Centre support		112 21 03
<b>RUBBER COMPONENTS</b>					Sun gear	(2)	112 21 05
	Overdrive to maincase "O" ring		159 16 03		Output shaft		112 21 04
	Pump outer "O" ring		159 16 02		Case		112 21 06
	Pump outer "D" ring		112 17 01		Extension (Toyota)		159 21 01
	Inner piston "O" ring	(6)	112 16 09		Extension (Volvo)		110 21 13
	Outer piston "O" ring	(5)	112 16 07		<b>THRUST WASHERS</b>		
	Inner piston "O" ring		112 16 08		Front gearset planet thrust 0.695" x 0.350" x 0.033"		112 22 11
	Low & Rev reaction outer piston "O" ring		112 16 01		Rear gearset planet thrust 0.695" x 0.350" x 0.018"		112 22 10
	Low & rev reaction inner piston "O" ring		112 16 11		<b>ELECTRICAL</b>		
	Rev brake outer piston "O" ring		112 16 10		Overdrive rely		159 35 02
	Pump lathe cut seal		112 17 01		Overdrive solenoid (Toyota & Volvo)		159 35 03
	2nd accumulator "O" ring - lower		112 16 03				
	2nd accumulator "O" ring upper		112 16 05				
	Direct accumulator "O" ring - lower		112 16 02				
	Direct accumulator "O" ring - upper		112 16 06				
	Forward clutch accumulator "O" ring		112 16 04				
	Cable "O" ring		113 16 09				
	Overdrive solenoid - large		180 16 20				
	Overdrive solenoid - small		173 16 07				
<b>METAL CLAD SEALS</b>							
	Converter		193 15 01				
	Cross shaft	(2)	113 15 02				
	Extension (Volvo)		110 15 03				
	Extension (Toyota)		159 15 01				
<b>SHAFT SEALING RINGS</b>							
	Pump & centre support	(7)	159 26 02				
	Planetary sun shaft	(2)	112 26 01				
	Output shaft	(3)	112 26 03				
	Sun shaft	(2)	159 26 04				
<b>CLUTCH PLATES</b>							
	Overdrive clutch friction 126mm x 2.4 x 24T	(2)	112 11 01				
	Overdrive clutch steel	(3)	112 12 01				
	Overdrive brake friction 126mm x 2.4 x 24T	(1)	112 11 01				
	Overdrive brake steel	(1)	112 12 03				
	Forward clutch friction 126mm x 2.4 x 24T	(5)	112 11 01				
	Forward steel	(5)	112 12 01				
	Forward packing plate (0.50mm)		159 12 08				
	Forward packing plate (0.80mm)		159 12 09				
	Direct clutch friction 126mm x 2.4 x 24T	(3)	112 11 01				
	Direct steel	(1)	112 12 01				