

# FORD AOD, AODE, AODE-W, 4R70W

4 speed in line rear wheel drive R1980 on non lock up  
AOD 1980-93, AODE 1992-95, 4R70W 1993 on

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Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
<b>KITS</b>				<b>THRUST WASHERS</b>			
	Master AOD		164 01 01		Fwd sun gear combo needle 56 x 36 x 3		164 23 01
	Overhaul AOD		164 02 01		Direct clutch inner combo needle 53 x 32 x 4.5		164 23 02
	Overhaul AODE-W	92-95	164 02 02		Direct clutch outer needle/race 63 x 45 x 2.5 x 59N		164 23 03
	Overhaul AODE-W	96-	164 02 03	<b>HARD PARTS</b>			
	Overhaul AODE-W 4R70	96-	164 02 04		Front pump & stator AOD	80-93	164 38 01
	Bushings AOD		164 09 01		Reverse drum sprag kit		164 44 01
	Thrusts AOD		164 10 01		Reverse drum retainer		164 29 03
	Shift kit AOD		164 08 01		One way clutch (7 roller)		164 44 02
<b>GASKETS</b>					Overrun clutch circlip		164 29 04
	Pan		164 25 01		Direct stub shaft		164 29 06
	Pan AODE, 4R70W	92 -	164 25 02		Reverse drum 4 plate	84 -	164 29 01
<b>METAL CLAD SEALS</b>					Reverse drum - AODE		164 29 10
	Pump body - without flange		116 15 01		Reverse drum kit late		164 29 16
	Pump body - with flange		116 15 03		Intermediate clutch hub		164 29 02
	Extension - with long boot		116 15 02		Direct drum - 6 plate		164 29 13
	Extension - no boot		120 15 02		Shell & sun gear AOD		164 29 05
<b>CLUTCH PLATES</b>					Shell & sun gear AODE		164 29 11
<b>General kits</b>					Forward clutch hub	80-91	164 29 07
	Standard friction module AODE	92-95	164 07 06		Direct clutch hub		164 29 08
	Standard friction module AODE-W, 4R70W	93-95	164 07 07		Output hub AOD		164 29 09
	Standard friction module 4R70W	96 -	164 07 08		Gearset support & bush		164 29 14
	Boosted friction & steel module AOD (Red Eagle)	80-90	164 07 12		Output ring gear 72 teeth		164 29 15
	Boosted friction & steel module AODE (Red Eagle)	92-95	164 07 13		Forward sun gear 30T AOD	80-93	164 65 01
	Intermediate clutch clearance kit with pressure	80 on	164 07 04		Rear gearset 18T 0.567" spline AOD	80-93	
<b>Forward clutch</b>					Diode snap ring		164 32 05
	Friction 133 x 1.60 x 45T	(5)	80-90		Reverse servo piston & rod 1 groove		164 45 01
	Friction 136 x 1.60 x 45T	(5)	90 on		Reverse servo piston & rod 2 groove		164 45 02
	Steel 139 x 1.70 x 54T	(5)			Reverse servo piston & rod 3 groove		164 45 03
	Steel (pressed drum) 143 x 1.70 x 32(34)T	(5)			1 - 2 Accumulator piston	92 -	164 45 04
<b>Reverse clutch</b>					1 - 2 accumulator piston cover	92 -	164 45 05
	Friction 133 x 2.00 x 45T	(4)	80-82		2 - 3 accumulator piston (retrofits AOD)	92 -	164 45 06
	Friction 133 x 1.60 x 45T	(4/5)	83 on		<b>ELECTRICAL</b>		
	Steel 139 x 1.70 x 54T CI drum	(5)	80-89		Lock up solenoid AODE		164 35 01
	Steel (pressed drum) 143 x 1.70 x 34T	(5)	90 on		<b>TOOLS</b>		
	Pressure 6.75mm for pressed drum				Manual		164 33 20
	Pressure 9.50mm for pressed drum				Piston installer kit		164 33 01
<b>Direct clutch</b>					<b>HARD PARTS</b>		
	Friction 118 x 1.9 x 42T AOD, AODE	(5/6)	80-94		Late mechanical diode		164 44 04
	Friction 118 X 1.7 X 42T 4R70W	(5/6)	94 on		Direct steel pressed drum not Lincoln Mark & Truck		
	Steel 124 x 1.50 x 28T AOD CI drum	(5/6)	80-89		Direct steel pressed drum Lincoln Mark & Truck		
	Steel 124 X 1.75 x 28T AODE CI drum	(5/6)	80-89				alto 49715
	Steel (pressed drum) 126 x 1.70 x 34T	(5/6)	90 on				alto 49715-200
	Pressure 5.50mm CI drum		80-89				
	Pressure 3.15mm CI drum		80-89				
<b>Intermediate clutch</b>							
	Friction 180 X 2.00 X 60T AOD	(3)	80-93				
	Friction 180 X 1.70 X 60T(AODE, 4R70W)	(4)	92 -				
	Steel 190 x 1.70 x 18T	(3)	80 on				
	Steel 190 x 2.00 x 18T sel	(A/R)	80 on				
	Steel 190 x 2.25 x 18T sel	(A/R)	80 on				
	Steel 190 x 2.50 x 18T sel	(A/R)	80 on				
	Clutch clearance kit		80 on				
	Pressure		80 on				
<b>BRAKE BANDS</b>							
	Front - Overdrive AOD		164 14 01				
	Front - Overdrive AODE	92 -	164 14 03				
	Reverse		164 14 02				
<b>FILTERS</b>							
	Pick up AOD 2WD		164 27 01				
	Pick up AOD 4WD with pick up tube		164 27 03				
	Pick up AODE 2 WD		164 27 02				
	Pick up E40D 2WD		118 27 03				
	Pick up E40D 4WD		118 27 04				
	Pick up AODE-W		164 27 04				
<b>BUSHES</b>							
	Pump body		164 21 01				
	Extension housing bush		164 21 02				