

Transmission Type...AOD-E/4R70W

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Clutch Clearances Adjusted By:

Forward Clutch.....	.050-.089"	Snap Ring
Intermediate Clutch030-.040"	Steel Plate
Direct Clutch060-.091"	Snap Ring
Low/Reverse Clutch			
Reverse Clutch040-.059"	Snap Ring
Input Clutch			
Overdrive Clutch			

Band Adjustment

Intermediate Band			
2-4 Band			
Low/Reverse Band Piston.....	.112-.237"	Servo Pin
Overdrive Band			

Torque Specifications

Pump Halves	12-16 Ft. Lbs.
Pump To Case	16-20 Ft. Lbs.
Valve Body (Bolts 1 & 2)(See Next Page)	140-160 In. Lbs.
Valve Body (All Others)	80-100 In. Lbs.
Valve Body To Case	80-100 In. Lbs.
Chain Cover To Case	
Pan	107-132 In. Lbs.
Center Support	
Extension Housing	16-20 Ft. Lbs.
Driven Sprocket Support	
Overdrive Support	
Chain Cover	
Transfer Gears	
Governor Bolts	
Bellhousing To Main Case	
Idler Nut	
Endcover Bolts	

Unit Endplays

Front Unit .004-.044"			
Middle Unit			
Rear Unit			
Differential			
Chain Sprocket			

Location

Pump			
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Selective

Thrust Washer			
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Clutch & Band/Solenoid Application Charts

Gear	Intermediate Clutch	Intermediate 1-Way Clutch	Overdrive Band	Reverse Clutch	Forward Clutch	Planetary 1-Way Clutch	Reverse Band	Direct Clutch
Reverse				Applied			Applied	
Drive/Overdrive	1st				Applied	Holding		
	2nd	Applied			Applied			
	3rd	Applied			Applied			Applied
	4th	Applied		Applied				Applied
Manual	1st				Applied	Holding	Applied	
	2nd	Applied		Applied				

Solenoid Application Chart			
Gear	Shift Solenoid 1 Output 1 On = Green	Shift Solenoid 2 Output 2 On = Green	Lock-Up Solenoid Output 5 On = Green
1st	On	Off	Off
2nd	Off	Off	Off
3rd	Off	On	Off
4th	On	On	Off
Lock-Up	On	On	On

EPC Output 7 On = Green @ Max
Changes to Control Line Pressure
Changes to Control Line Pressure
Changes to Control Line Pressure
Changes to Control Line Pressure
Min-Max

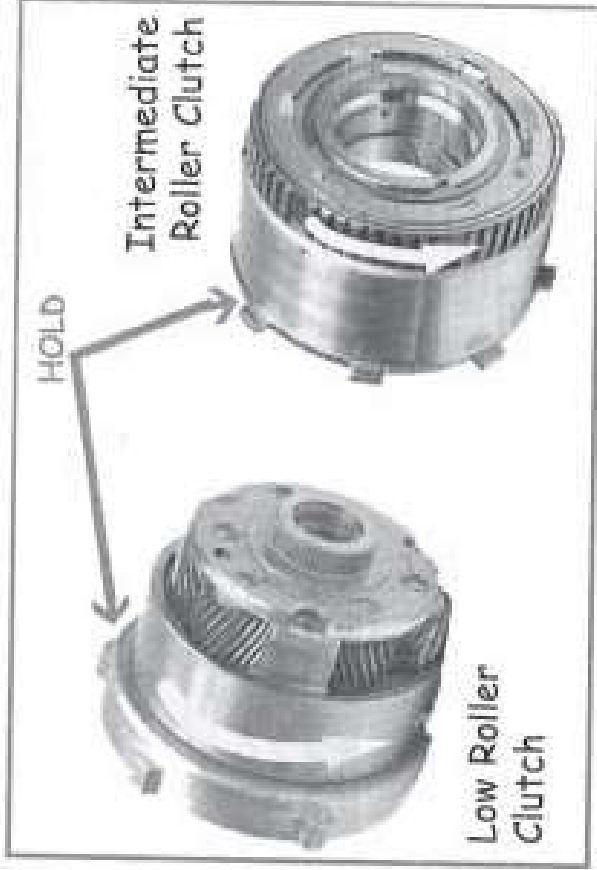
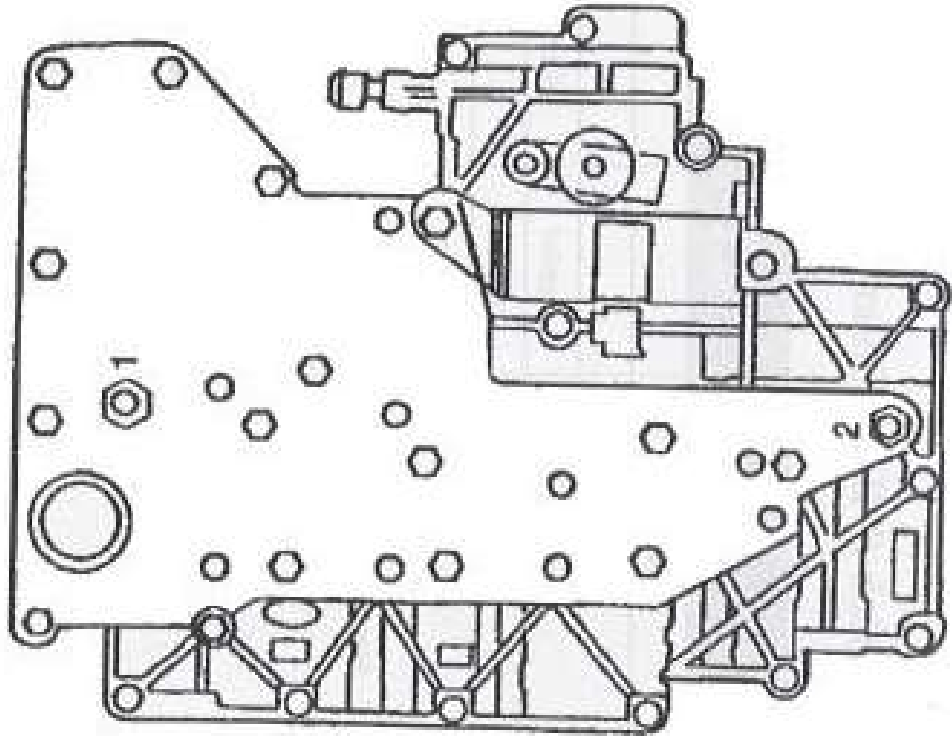
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Technical Tips For Rebuilding This Unit

Use Pilot Bolts



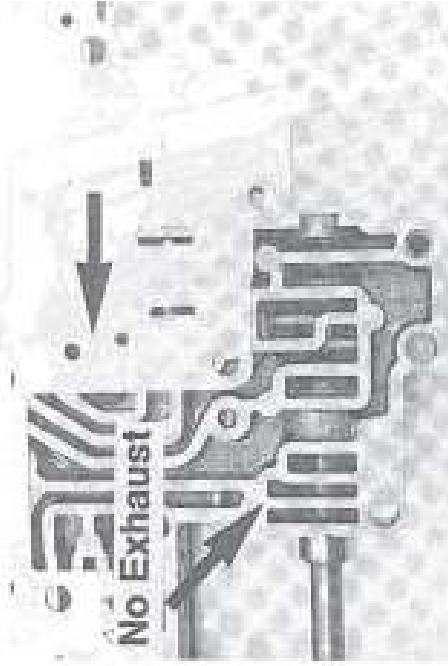
The cover gasket for the 1992-95 valve body cover plate is different from the 1996-98 valve body cover plate gasket.

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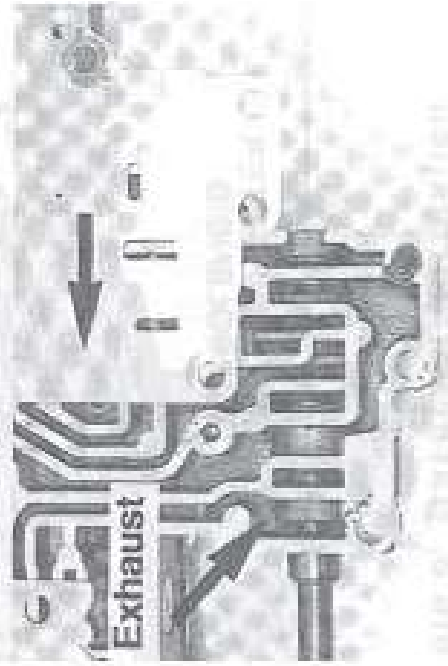
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Technical Tips For Rebuilding This Unit

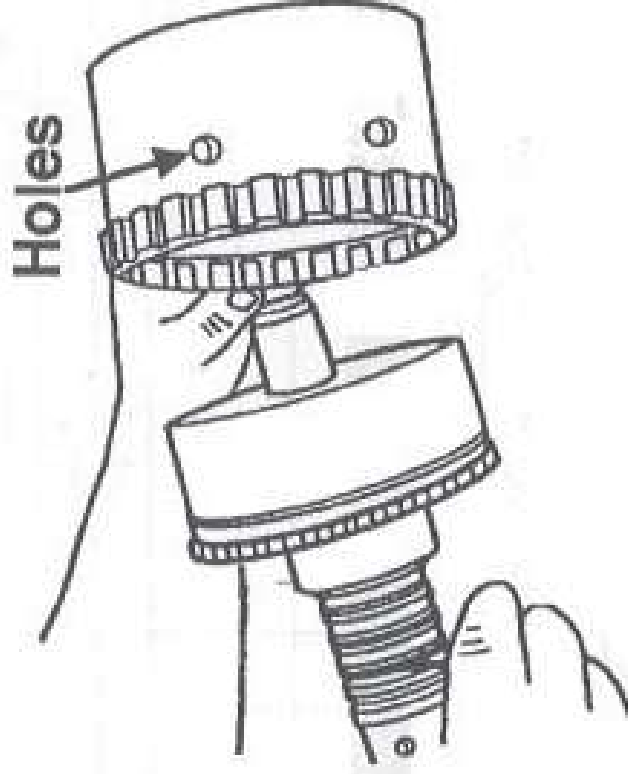


1991-92 Valve Body



1993-96 Valve Body

Do not mix up the 1991-92 valve body and 1993-96 valve body. This will cause shift and engine braking problems.



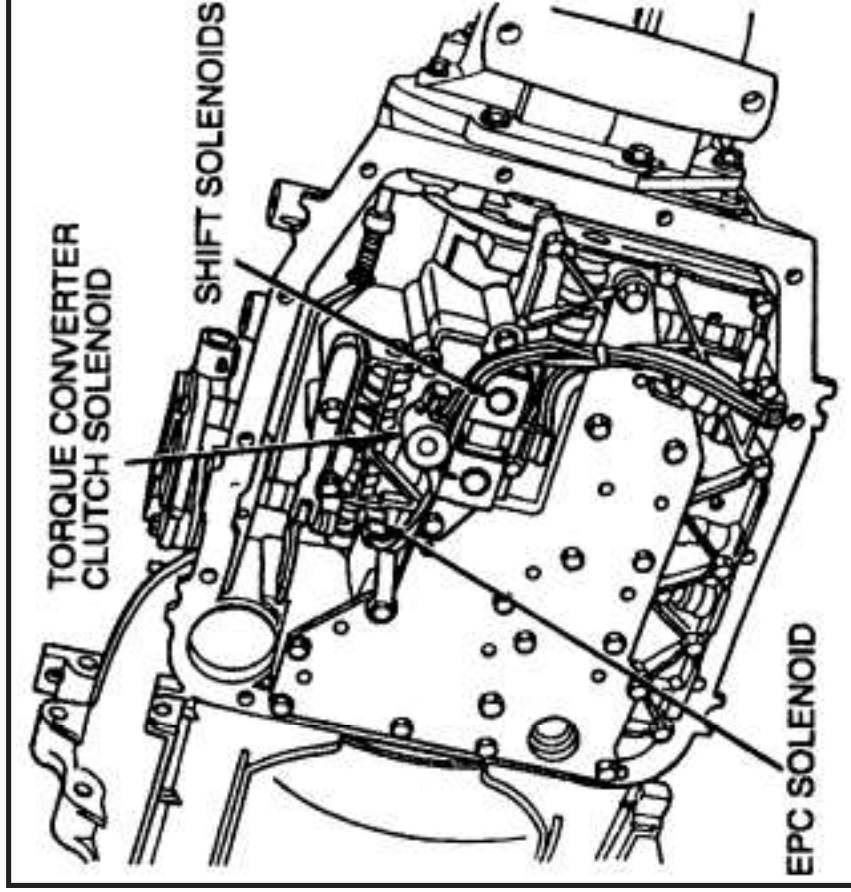
DO NOT use an AOD ring gear in an AOD-E. This will cause no lock-up and neutrals on forced 4-3 downshift.

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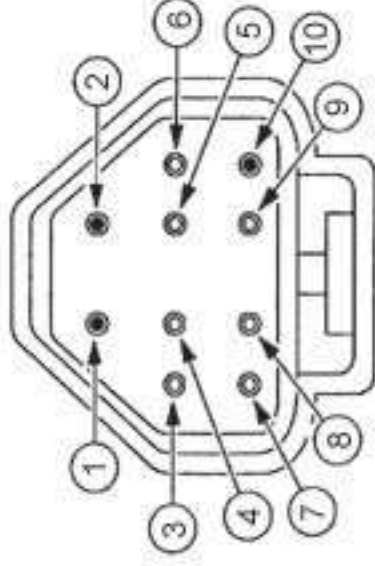
Solenoid & Harness Information



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Transmission Connector



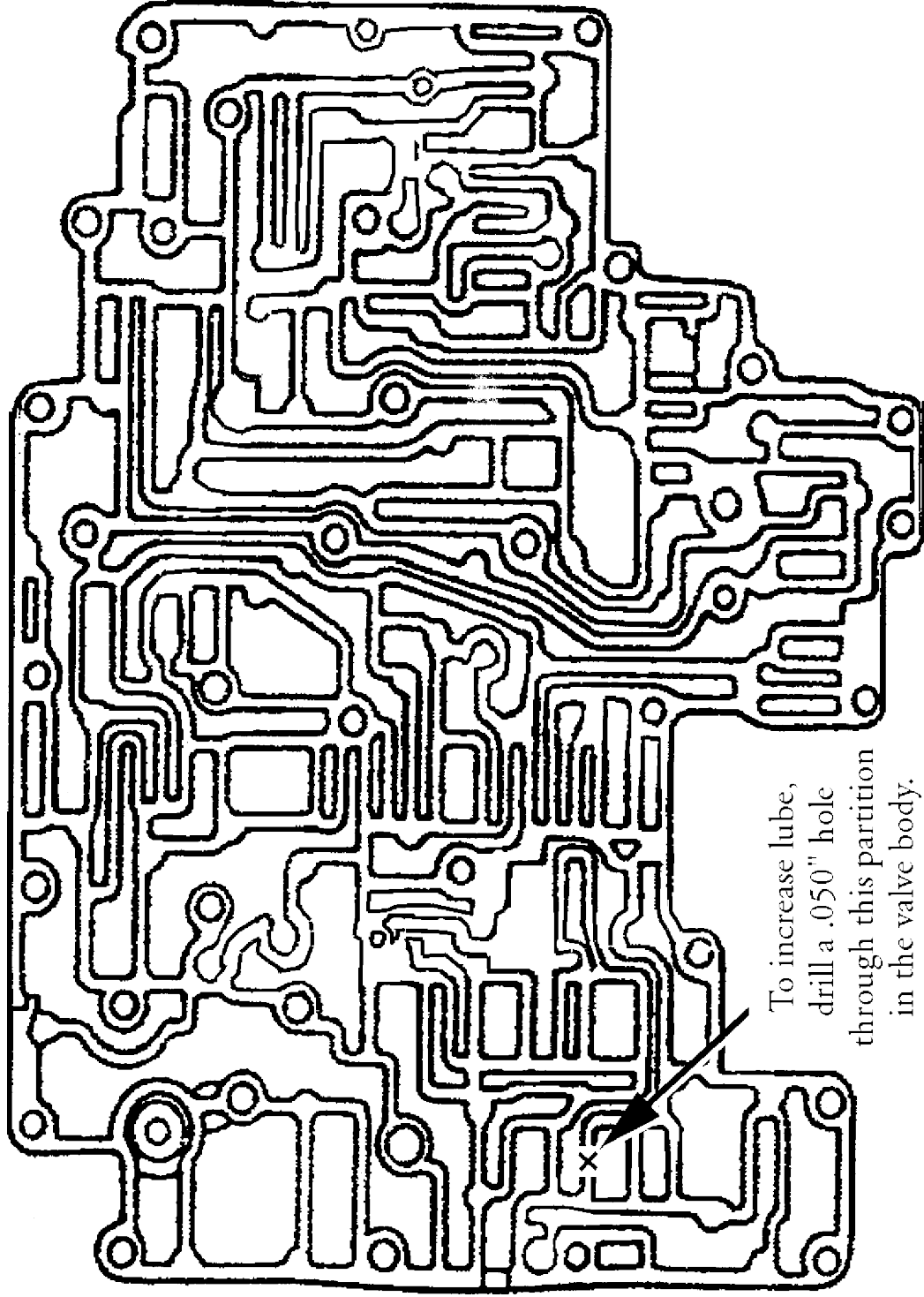
Terminal	Description	Resistance
1	TOT/MLPS/TSS Signal Return	-
2	EPC Solenoid	2 - 5 Ohms
3	TOT	-
4	Shift Solenoid B	20 - 30 Ohms
5	EPC Solenoid Power	-
6	TCC Solenoid Power	-
7	Shift Solenoid A	20 - 30 Ohms
8	Shift Solenoid Power	-
9	TCC Solenoid	1 - 3 Ohms ('92-'95) 10 - 16 Ohms ('96 - up)
10	Not Used	-

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Line to Lube Modification



To increase lube,
drill a .050" hole
through this partition
in the valve body.

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Checkball Locations Valve Body

