

Transmission Type....4F27E

Rebuilder's Kwik Reference Guide



Clutch Clearances

Adjusted By:

Forward Clutch .....	.059-.071"	.....	Snap Ring
Intermediate Clutch			
Direct Clutch .....	.039-.051"	.....	Snap Ring
Reverse Clutch .....	.039-.051"	.....	Snap Ring
Low/Reverse Clutch .....	.087-.098"	.....	Snap Ring
Coast Overrun Clutch			
Overdrive Clutch			

Band Adjustment

Intermediate Band

2-4 Band (See Rebuilding Tips)

Band Anchor Bolt

Low/Reverse Band

Overdrive Band

Torque Specifications

Torque Converter Housing to Case	16 Ft. Lbs.
Pump Halves	10 Ft. Lbs.
Pump to Case	16 Ft. Lbs.
Valve Body	80 In. Lbs.
Valve Body To Case	80 In. Lbs.
Chain Cover To Case	
Pan	62 In. Lbs.
Center Support Front Bolts	
Center Support Rear Bolts	
Extension Housing	
Driven Sprocket Support	
Overdrive Support	
End Cover	16 Ft. Lbs.
2-4 Band Servo Cover	10 Ft. Lbs.

1 Way Clutch Race to Case

Accumulator Cover

Turbine Sensor Mount

Unit Endplays

Front Unit

Middle Unit

Rear Unit .010-.020"

* Differential Shaft

Direct Clutch Hub Bearing

Chain Sprocket

* Transfer Shaft

Under Torque Converter Housing Bearing Cup

* Final Drive Input Gear

(Rotating Torque) 3-5 In. Lbs.

Between Bearings

* Special Tools Required.

Collapsible Spacer

Location

Selective

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Clutch & Band/Solenoid Application Chart

		Clutch & Band/Solenoid Application Chart					Solenoid Application Chart					
Selector Position	Gear	Forward Clutch	3-4 Clutch	Reverse Clutch	2-4 Band	Low/Reverse Clutch	Low One-Way Clutch	Shift Solenoid A (D)	Shift Solenoid B (E)	Shift Solenoid C (A)	Shift Solenoid D (B)	Shift Solenoid E (C)
P	P							ON	OFF	OFF	OFF	OFF
R	R			X		X		OFF	OFF	OFF	OFF	ON
N	N							ON	OFF	OFF	OFF	OFF
D O/D ON	1	X					X	OFF	OFF	OFF	ON	ON
	2	X			X			OFF	OFF*	OFF*	OFF	ON
	3	X	X					OFF	OFF*	OFF*	OFF	OFF
	4		X		X			ON	OFF*	ON	OFF	OFF
D O/D OFF	1	X					X	OFF	OFF	OFF	ON	ON
	2	X			X			OFF	OFF*	OFF*	OFF	ON
	3	X	X					OFF	OFF*	OFF*	OFF	OFF
2	2	X					OFF	OFF	OFF	OFF	ON	
1	1	X				X	ON	ON	OFF	OFF	OFF	ON

X = Applied

*** = On for TCC Apply**

NOTE

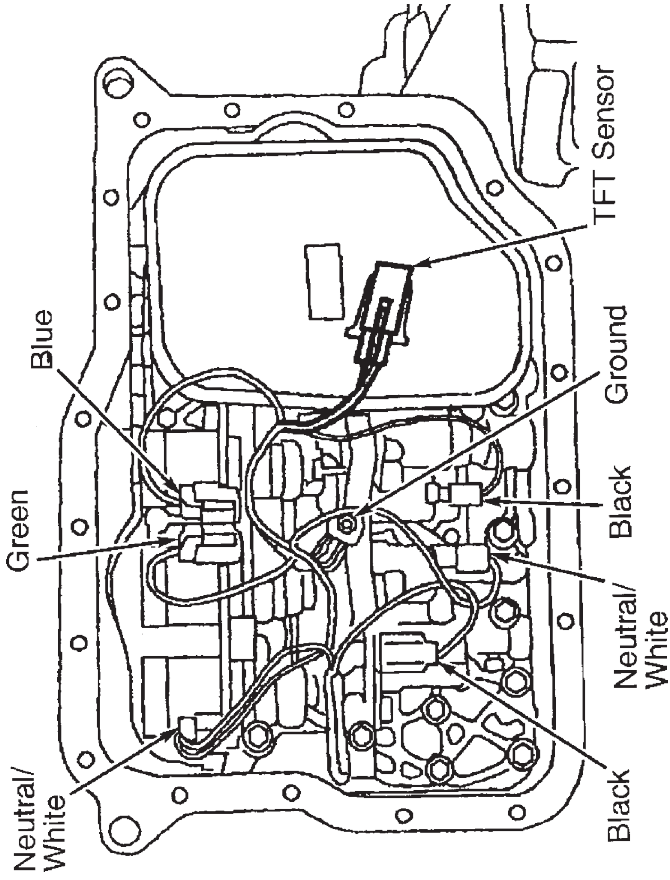
Ford & Mazda
ID Solenoids
Differently
Mazda ID in ().

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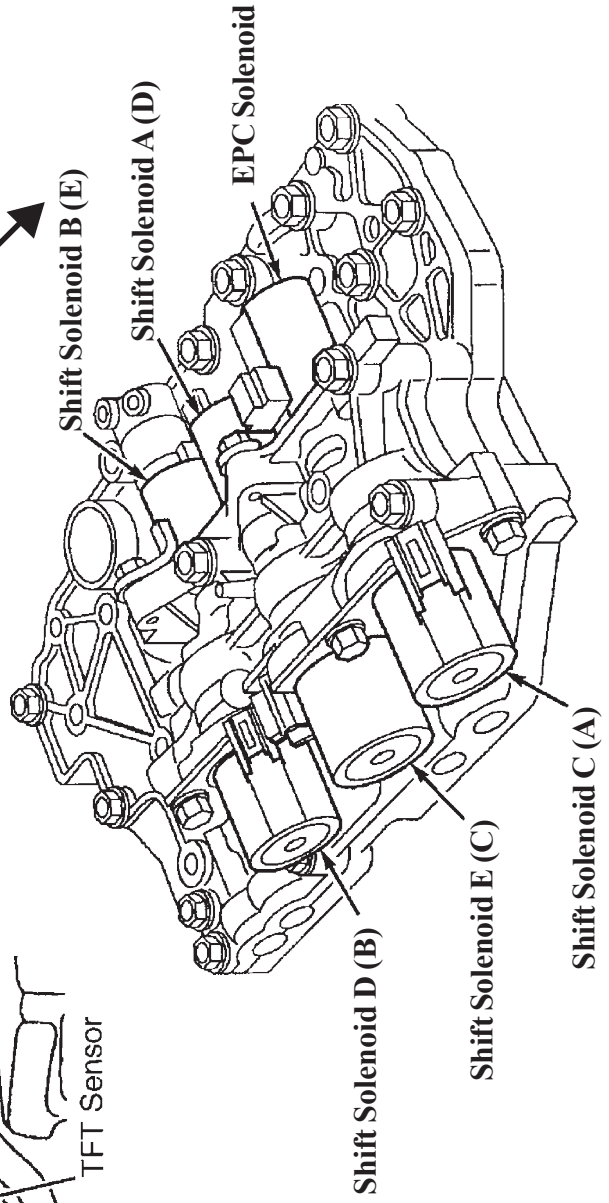
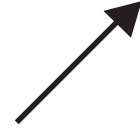


Solenoid Application Chart



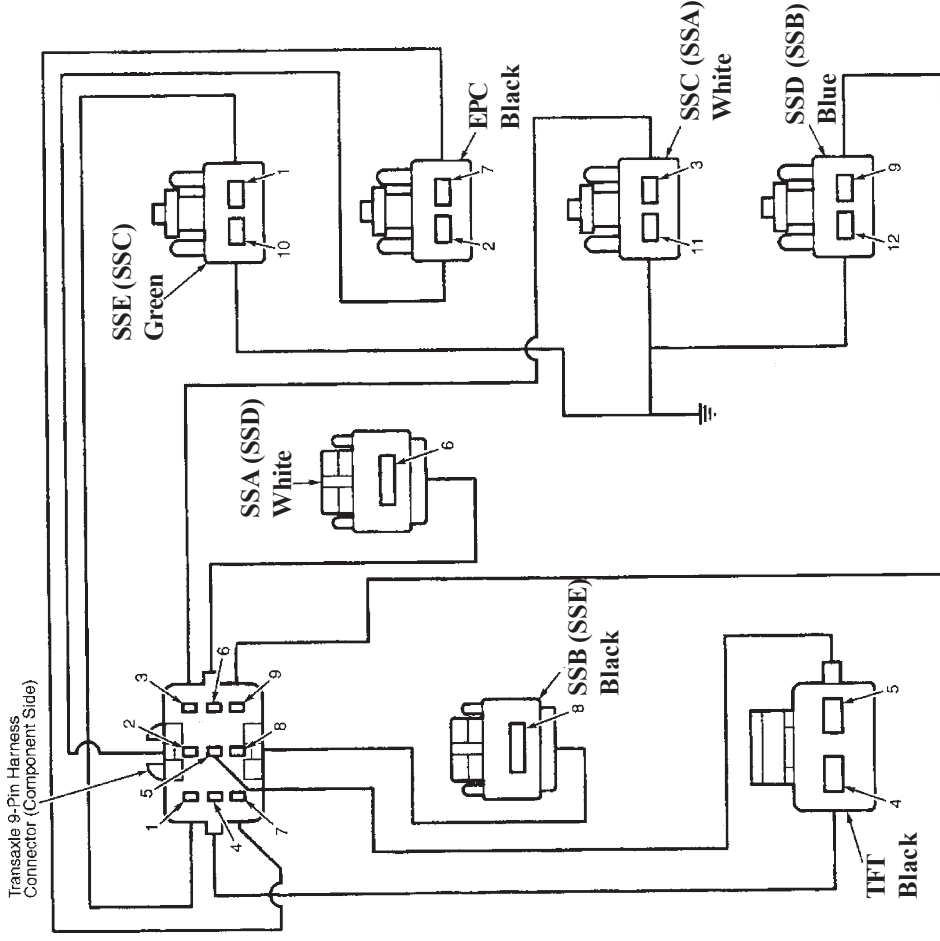
NOTE

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Mazda ID in ().



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Solenoid & Harness Information



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NOTE

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See Previous Page.

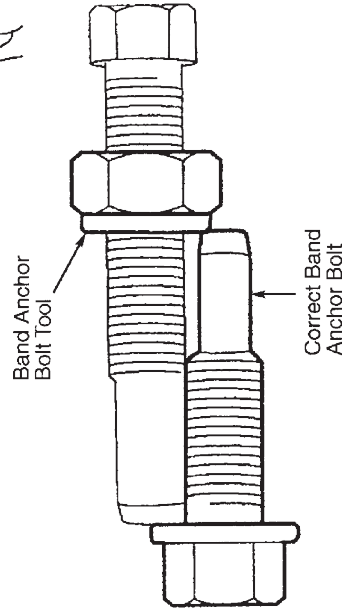
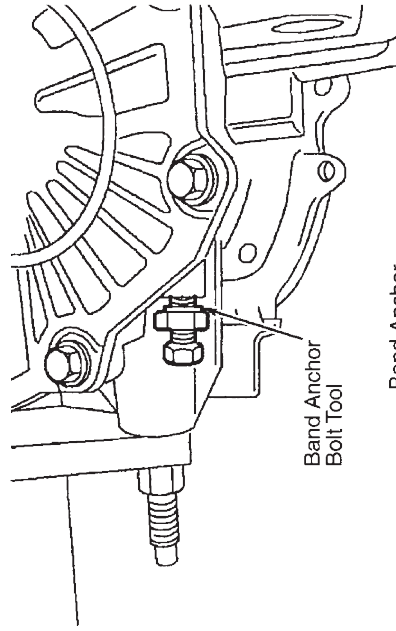
Terminal	Description	Resistance
1	Shift Solenoid E (C)	1.0 - 4.2 Ohms
2	EPC	2.4 - 7.3 Ohms
3	Shift Solenoid C (A)	1.0 - 4.2 Ohms
4	TFT Sensor	.87 - .107 Ohms
5	TFT Sensor	.87 - .107 Ohms
6	Shift Solenoid A (D)	10.9 - 26.2 Ohms
7	EPC	2.4 - 7.3 Ohms
8	Shift Solenoid B (E)	10.9 - 26.2 Ohms
9	Shift Solenoid D (B)	1.0 - 4.2 Ohms

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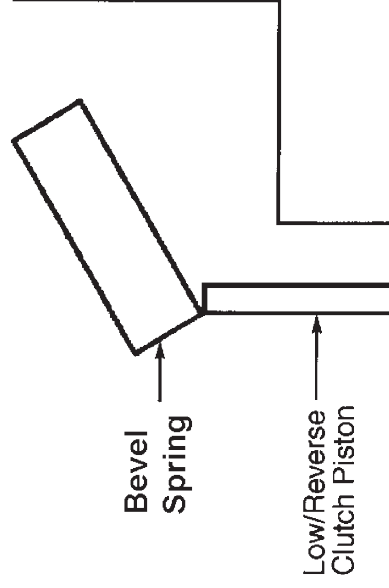
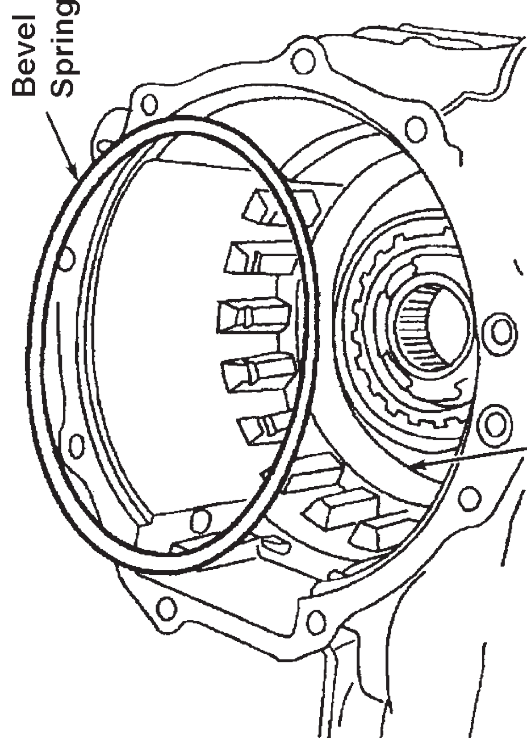
Rebuilding Tips

2-4 Band Adjustment:

1. Tighten to 45 In. Lbs.
2. Back off 3 1/2 turns - lightly seat nut
3. Remove tool without disturbing position of nut.



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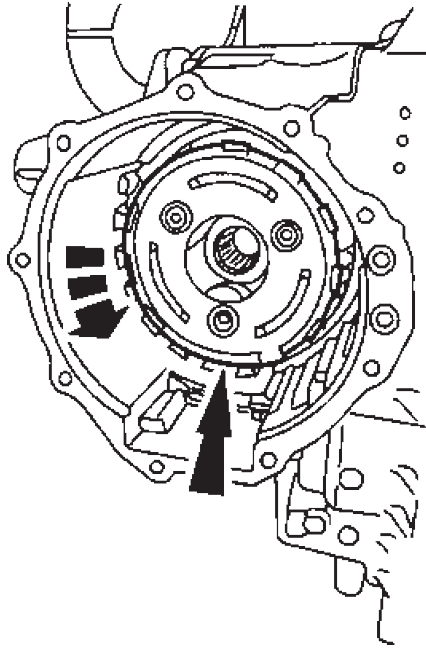
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Rebuilding Tips

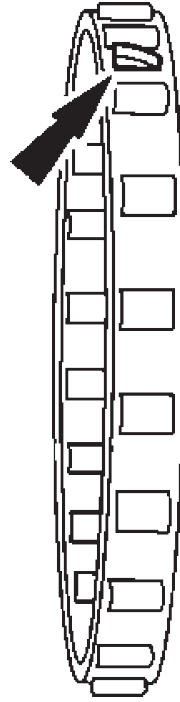
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Sprag Rotation



CAUTION: The planet assembly must only rotate counterclockwise.



Make sure the low one-way clutch is installed with the tab pointing in the direction as shown.

Gasket Identification

