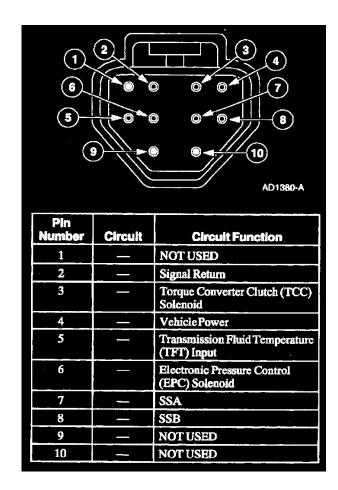
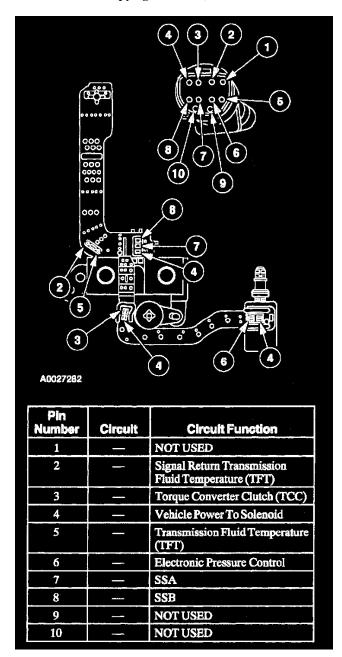
Transmission Control Systems: Testing and Inspection

Transmission Connector Layouts

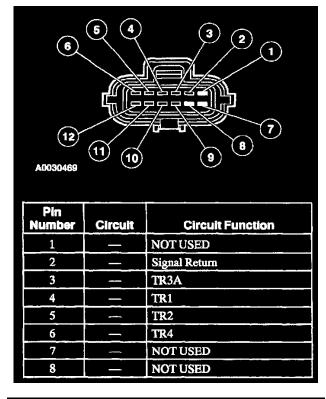
Transmission Connector Layouts



Transmission Vehicle Harness Connector

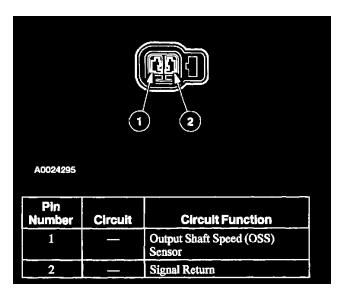


Transmission Internal Harness Connector



Pin Number	Circuit	Circuit Function
9		Fused Power Feed
10		Starter Control
11		Reverse
12		Starter to Starter Interrupt Relay

Digital Transmission Range (TR) Sensor Connector



Output Shaft Speed (OSS) Sensor Harness Connector

			PID: TR_V (volts)			
Selector Po- sition	PID: TR	TR4	TR3A	TR2	TR1	TR3A (PCM Pin 64 to sigrtn)
PARK	P/N	0	0	0	0	0.0 Volts
In Between	REV	0	1	0	0	1.3 - 1.8 Volts
REVERSE	REV	1	1	0	0	1.3 - 1.8 Volts
In Between	REV	0	1	0	0	1.3 - 1.8 Volts
NEUTRAL	NTRL	0	1	1	0	1.3 - 1.8 Volts
In Between	O/D *	1	1	1	0	1.3 - 1.8 Volts
OVERDRIVE	O/D ^a	1	1	1	1	1.3 - 1.8 Volts
In Between	Man 2	1	0	1	1	0.0 Volts

Selector Position	PID: TR		PID: TR_V (voits)			
		TR4	TR3A	TR2	TR1	TR3A (PCM Pin 64 to sigrtn)
Manual 2	Man 2	1	0	0	1	0.0 Volts
In Between	Man 2	i	0	1	1	0.0 Volts
Manual 1	Man 1	0	0	1	1	0.0 Volts

Digital Transmission Range (TR) Sensor Diagnosis Chart

- A. TR_V is the voltage at the PCM pin 64 (TR3A Circuit) to signal return.
- B. "In Between" reading could be caused by a shift cable or digital TR sensor misaligned or a digital TR sensor circuit failure of TR1, TR2, TR3A, or TR4.
- C. TRAM: 1= Open Digital TR switch, 0= Closed Digital TR switch.
- D. EEC-V Control System Breakout Box Readings: Taken from PCM signal pins for TR1, TR2, TR3A, TR4 to signal return.
- -Voltages for TR1, TR2, TR4:
- -0 = 0.0 volts.
- -1 = 9.0 14.0 volts.
- -Voltage for TR3A:
- -0 = 0.0 volts.
- -1 = 1.3 1.8 volts.