

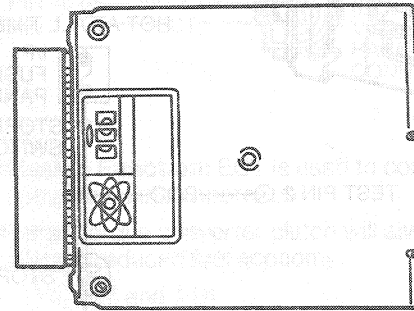
DESCRIPTION AND OPERATION (Continued)

Abbreviation	Description
ACC	Air Conditioning Clutch
B+	Battery Positive Voltage
BOO	Brake On/Off
CONT	Continuous Codes
DTC	Diagnostic Trouble Code
DVOM	Digital Volt-Ohm Multimeter
ECT	Engine Coolant Temperature
EEC	Electronic Engine Control
EPC	Electronic Pressure Control
FMEM	Failure Mode Effects Management
IAT	Intake Air Temperature
KAM	Keep Alive Memory
KOEO	Key On Engine Off
KOER	Key On Engine Running
MAF	Mass Air Flow Sensor
MLP	Manual Lever Position Sensor
OWC	One-Way Clutch
PCM	Powertrain Control Module
PIP	Profile Ignition Pickup
PSP	Power Steering Pressure Switch
ROM	Read Only Memory
SS1	Shift Solenoid 1
SS2	Shift Solenoid 2
SS3	Shift Solenoid 3
ST	Self-Test
STI	Self-Test Input
STO	Self-Test Output
TCC	Torque Converter Clutch (formerly MCCC/TCC)
TCIL	Transmission Control Indicator Lamp (SHO Only)
TCS	Transmission Control Switch (SHO Only)
TOT	Transmission Oil Temperature
TP	Throttle Position Sensor
TSS	Transmission Speed Sensor
VFS	Variable Force Solenoid
VPWR	Vehicle Power
VSS	Vehicle Speed Sensor
WOT	Wide-Open Throttle

- **Connector and Wiring Assembly:** Provides electrical current flow path from vehicle harness to internal transaxle electrical components and provides oil sealing.

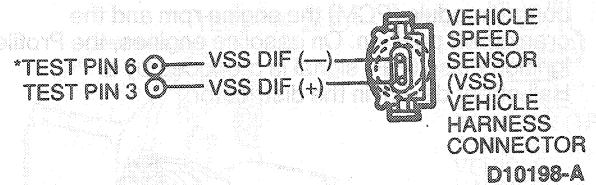
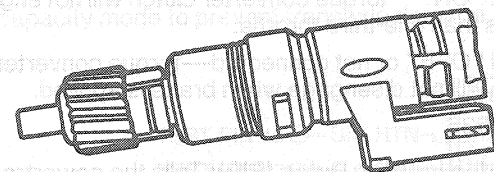
- **Powertrain Control Module (PCM) 12A650:** Controls operation of the AXODE (AX4S) automatic transaxle. Many input sensors provide information to the powertrain control module (PCM). The powertrain control module (PCM) then controls the actuators which affect transaxle operation.

**Diagnostic Trouble Codes (DTC's): 511, 512, 513**



D10130-A

- **Vehicle Speed Sensor (VSS) 9E731:** A magnetic pickup that sends a signal to the powertrain control module (PCM). The VSS signal tells the powertrain control module (PCM) the vehicle speed.



D10198-A

**Transmission Function:**

Shift scheduling and electronic pressure control (EPC) 7H144.

**Symptoms:**

Harsh engagements, firm shift feel, abnormal shift schedule, unexpected downshifts may occur at closed throttle. Torque converter clutch will not engage.

**DTC: 452**