

DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST FB:
TRIP DISTANCE DOES NOT ACCUMULATE**

TEST STEP		RESULT	ACTION TO TAKE
FB1	VERIFY CONDITION		GO to FB2.
FB2	CHECK SPEEDOMETER OPERATION		REPLACE cluster. GO to Pinpoint Test SF.
	<ul style="list-style-type: none"> ● Verify that speedometer is operating properly. ● Does speedometer operate properly? 	Yes No	

**PINPOINT TEST FC:
DTE DOES NOT GO BELOW 322 KM (200 MILES) WITH FUEL TANK EMPTY
DTE ALWAYS READS ZERO**

TEST STEP		RESULT	ACTION TO TAKE
FC1	VERIFY CONDITION		GO to FC2.
FC2	CHECK FUEL GAUGE		GO to FC3. GO to Pinpoint Test FD or FE.
	<ul style="list-style-type: none"> ● Verify that fuel gauge is operating properly. ● Does fuel gauge operate properly? 	Yes No	
FC3	CHECK SPEEDOMETER		GO to FC4. GO to Pinpoint Test SB.
	<ul style="list-style-type: none"> ● Verify that speedometer is operating properly. ● Does speedometer operate properly? 	Yes No	
FC4	CHECK FOR FUEL FLOW PULSES		REPLACE EIC. SERVICE or REPLACE PCM or fuel flow sensor system as required.
	<ul style="list-style-type: none"> ● Verify proper operation of fuel flow function in PCM. Refer to Powertrain Control/Emissions Diagnosis Manual.⁴ 	Yes No	

**PINPOINT TEST FD:
CO DISPLAYED, GAUGE BLANKS OUT FUEL TANK SYMBOL AND LIGHTS TOP TWO AND BOTTOM TWO BARS OF GAUGE**

TEST STEP		RESULT	ACTION TO TAKE
FD1	VERIFY CONDITION		GO to FD2.
	<ul style="list-style-type: none"> ● Does CO display? 	Yes	
FD2	CHECK FUEL TANK SENDING UNIT AND PUMP WIRING AT FUEL TANK SENDING UNIT AND PUMP		GO to FD4. GO to FD3. REMOVE jumper.
	<ul style="list-style-type: none"> ● Disconnect ground cable to battery. ● Lower fuel tank to gain access to fuel tank sending unit and pump connector. ● Unplug fuel sender connector. ● Jumper variable resistance terminal and ground terminal of harness together. ● Reconnect battery. ● Turn ignition switch from OFF to RUN. ● Check digital fuel remaining display for CO or CS. NOTE: It may take several minutes for the fuel gauge to respond.	CO displayed CS displayed	
FD3	CHECK FUEL TANK SENDING UNIT AND PUMP		INSPECT fuel tank sending unit and pump wiring connector female terminals for flash or loose fit. SERVICE as required. REPLACE fuel tank sending unit and pump.
	<ul style="list-style-type: none"> ● Turn ignition switch to OFF. ● Measure the resistance of the fuel tank sending unit and pump at the sender terminals. ● Verify that the resistance is between 11 and 168 ohms. 	Resistance between 11 and 168 ohms Resistance not as specified	

⁴ Can be purchased as a separate item.