DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST E
FUEL SENDER DIAGNOSIS

TEST STEP		RESULT ▶	ACTION TO TAKE
E1	CHECK TEST BOX —EMPTY STOP		
	• Connect one lead of Digital Volt-Ohmmeter 007-00001 or equivalent to the fuel sender signal lead and the other lead to ground. NOTE: Float rod is against empty stop (closest to filter).	Ohmmeter reads 14-18 ohms ▶	GO to E2.
		Ohmmeter reads less than 14 ohms or greater than 18 ohms ▶	REPLACE fuel sender.
E2	CHECK TEST BOX —FULL STOP		
	• Connect one lead of Digital Volt-Ohmmeter 007-00001 or equivalent to the fuel sender signal lead and the other lead to sender ground. NOTE: Float rod is against full stop.	Ohmmeter reads 155-165 ohms ▶	GO to E3.
		Ohmmeter reads less than 155 ohms or greater than 165 ohms ▶	REPLACE fuel sender.
E3	CHECK TEST BOX —FLOAT ROD LEVEL		
	• Connect one lead to Digital Volt-Ohmmeter 007-00001 or equivalent to the fuel sender signal lead and the other lead to sender ground. • Slowly move float rod from full stop to empty stop.	Ohmmeter reading jumps to open condition while decreasing ▶	REPLACE fuel sender.
		Ohmmeter reading decreases slowly ▶	GO to E4.
E4	FUEL SENDER INSPECTION		
	• Inspect fuel sender. • Inspect float and float rod.	Float rod is distorted ▶	REPLACE sender.
		Float is badly distorted / damaged hitting the filter ▶	REPLACE sender. GO to E5.
E5	CHECK HARNESS CONNECTOR —EMPTY STOP		
	• Attach all fuel indication connectors. • Move float rod to EMPTY STOP position. • Turn ignition to RUN position. • Wait 60 seconds. • Read fuel gauge. • **Does fuel gauge read EMPTY?**	Yes ▶	GO to E6.
		No ▶	GO to A1.
E6	CHECK HARNESS CONNECTOR —FULL STOP		
	• Attach all fuel indication connectors. • Move float rod to FULL STOP position. • Turn ignition to RUN position. • Wait 60 seconds. • Read fuel gauge. • **Does fuel gauge read FULL?**	Yes ▶	Fuel sender OK.
		No ▶	GO to A1.

TK13201E

NOTE: Low fuel warning feature is only in instrument clusters with a tachometer.

PINPOINT TEST F
LOW FUEL INDICATOR STAYS ON CONTINUALLY—MORE THAN 1/4 TANK OF FUEL

TEST STEP		RESULT ▶	ACTION TO TAKE
F1	VERIFY CONDITION		
	• Verify condition.	Indicator stays on with more than 1/4 tank showing on gauge ▶	GO to F2.