

DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST SH:
ODOMETER READING INCORRECT**

TEST STEP		RESULT	ACTION TO TAKE
SH1	VERIFY CONDITION		
	<ul style="list-style-type: none"> Enter self-diagnosis as outlined. Does cluster flash? 	No	REPLACE cluster.
		Yes	GO to Pinpoint Test SB1.

**PINPOINT TEST SJ:
MILEAGE CONSTANTLY READS TOO HIGH OR LOW**

TEST STEP		RESULT	ACTION TO TAKE
SJ1	VERIFY CONDITION		
			GO to SJ2.
SJ2	CHECK SPEEDOMETER		
	<ul style="list-style-type: none"> Perform Pinpoint Test SC. Is system OK? 	Yes	GO to SJ3.
		No	GO to Pinpoint Test SC.
SJ3	CHECK DISPLAY		
	<ul style="list-style-type: none"> Perform Pinpoint Test TB. Is system OK? 	Yes	GO to SJ4.
		No	GO to Pinpoint Test TB.
SJ4	CHECK ODOMETER MEMORY		
	<ul style="list-style-type: none"> Perform Pinpoint Test SH. Is system OK? 	Yes	System OK
		No	GO to Pinpoint Test SH.

**PINPOINT TEST SK:
TACH ALWAYS INDICATES TOO HIGH OR TOO LOW—NO TACH INDICATION/TACH INDICATION ERRATIC**

TEST STEP		RESULT	ACTION TO TAKE
SK1	VERIFY CONDITION		
	<ul style="list-style-type: none"> Make sure engine is operating properly and is not misfiring. 		GO to SK2.
SK2	CHECK WIRING		
	<ul style="list-style-type: none"> Disconnect battery ground cable. Remove cluster as outlined. Measure resistance between Connector A, Pin 20 and coil. Wiggle connections and wiring near coil to check for intermittent connection. Is resistance less than 100 ohms? 	Yes	REPLACE cluster. RECHECK operation.
		No	SERVICE wiring Circuit 11 for open circuit.

**PINPOINT TEST FA:
INSTANTANEOUS FUEL ECONOMY ALWAYS READ 0 MILES/GAL OR 99 L/100 KM OR 99 MILES/GAS OR 0 L/100 KM**

TEST STEP		RESULT	ACTION TO TAKE
FA1	VERIFY CONDITION		
			GO to FA2.
FA2	CHECK SPEEDOMETER OPERATION		
	<ul style="list-style-type: none"> Verify that speedometer is operating properly. Does speedometer operate properly? 	Yes	GO to FA3.
		No	GO to Pinpoint Test SF.
FA3	CHECK CONTINUITY OF CIRCUIT 305 (FUEL FLOW)		
	<ul style="list-style-type: none"> Verify continuity and absence of shorts in Circuit 305. 	Continuity and no shorts	GO to Pinpoint Test FD4.
		No continuity and/or shorts	SERVICE wiring Circuit 305 as required.
FA4	CHECK FOR FUEL FLOW PULSES		
	<ul style="list-style-type: none"> Verify proper operation of fuel flow function in PCM. Refer to Powertrain Control/Emissions Diagnosis Manual.³ Does fuel flow operate properly? 	Yes	REPLACE EIC.
		No	SERVICE or REPLACE EIC or fuel flow sensor system as required.

³ Can be purchased as a separate item.