DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST B
TEMPERATURE GAUGE INOPERATIVE—POINTER DOES NOT MOVE

TEST STEP		RESULT	ACTION TO TAKE
B1	VERIFY CONDITION		
	• Observe gauge performance. • **Does gauge pointer move?**	Yes ▶	GO to **C1** for temperature gauge.
		No ▶	GO to **B2.**
B2	VERIFY CLUSTER PERFORMANCE		
	• With the ignition ON, observe the other gauges and warning indicators for proper operation. • **Do other gauges and warning indicators operate properly?**	Yes ▶	GO to **D1.**
		No ▶	GO to **C1.**

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PINPOINT TEST C
TEMPERATURE GAUGE INOPERATIVE

TEST STEP		RESULT	ACTION TO TAKE
C1	VERIFY POWER AT FUSE PANEL		
	• Using Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent verify system voltage at load side of warning indicator fuse. • **Is system voltage present at load side of fuse?**	Yes ▶	GO to **D1.**
		No ▶	GO to **C2.**
C2	VERIFY POWER AT FUSE PANEL		
	• Using Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent verify system voltage at feed side of warning indicator fuse. • **Is system voltage present at feed side of fuse?**	Yes ▶	REPLACE fuse. GO to **B1.**
		No ▶	SERVICE wiring to fuse panel. GO to **B1.**

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PINPOINT TEST D
TEMPERATURE GAUGE INOPERATIVE

TEST STEP		RESULT	ACTION TO TAKE
D1	VERIFY POWER AT CLUSTER		
	• Partially remove cluster from IP. Using Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent verify system voltage at cluster connector and/or gauge terminal. • Inspect cluster connector for damage. • **Is system voltage present at cluster connector and/or gauge terminal?**	Yes ▶	GO to **D2.**
		No ▶	SERVICE as required. GO to **B1.**
D2	VERIFY GROUND CIRCUITRY AT CLUSTER		
	• Using Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent check continuity of cluster and gauge ground circuitry. • **Is ground circuitry OK?**	Yes ▶	GO to **E1** for temperature gauge.
		No ▶	SERVICE as required. GO to **B1.**

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PINPOINT TEST E
TEMPERATURE GAUGE INACCURATE

TEST STEP		RESULT	ACTION TO TAKE
E1	TEST SENDER CIRCUIT AT LOW		
	• Insert Rotunda Instrument Gauge, System Tester 021-00055 or equivalent. Disconnect connector at sender and connect tester to cluster side of connector. Set to 74 ohms. • **Does gauge read 'C'?**	Yes ▶	GO to **E2.**
		No ▶	GO to **E3.**
E2	TEST SENDER CIRCUIT AT HIGH		
	• Set Gauge System Tester to 10 ohms. • **Does gauge read 'H'?**	Yes ▶	REPLACE sender.
		No ▶	GO to **E3.**