

DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST C
CLUSTER DIAGNOSIS (Continued)**

TEST STEP		RESULT	ACTION TO TAKE
C2	VERIFY GROUND CIRCUIT AT CLUSTER		
<ul style="list-style-type: none"> ● Use Rotunda Digital Volt-Ohmmeter 007-00001 or equivalent to check continuity of cluster and gauge ground circuits. ● Is there continuity? 		Yes	▶ GO to D1.
		No	▶ SERVICE circuit. GO to A1.

TK16217B

**PINPOINT TEST D
FUEL GAUGE DIAGNOSIS**

TEST STEP		RESULT	ACTION TO TAKE
D1	CHECK TEST BOX (LOW)		
<ul style="list-style-type: none"> ● Turn ignition to OFF position. ● Insert Rotunda Instrument Gauge System Tester 021-00055 or equivalent in sender circuit. ● Disconnect 14405 connector under instrument panel and connect tester to cluster side of connector. ● Set tester to 22 ohms. ● Turn ignition to RUN position, wait 60 seconds and read fuel gauge. ● Does gauge read EMPTY? 		Yes	▶ GO to D4.
		No	▶ GO to D2.
D2	CHECK TEST BOX (RETEST)		
<ul style="list-style-type: none"> ● Turn ignition switch to OFF position. ● Turn ignition switch to RUN position. ● Tap lightly on instrument panel, wait 60 seconds and read fuel gauge. ● Does fuel gauge read EMPTY? 		Yes	▶ GO to D4.
		No	▶ GO to D3.
D3	ANTI-SLOSH MODULE BYPASS TEST		
<ul style="list-style-type: none"> ● Turn ignition switch to OFF position. ● Remove instrument cluster and inspect flexible circuit. ● Remove anti-slosh module and connect a jumper wire from Gauge Tester directly to fuel gauge 'SIG' terminal. ● Install instrument cluster. ● Turn ignition switch to RUN position and read fuel gauge. ● Does fuel gauge read EMPTY? 		Yes	▶ REPLACE anti-slosh module. GO to D1.
		No	▶ REPLACE fuel gauge. INSTALL anti-slosh module. GO to D1.
D4	CHECK TEST BOX (HIGH)		
<ul style="list-style-type: none"> ● Turn ignition switch to OFF position. ● With Rotunda Gauge System Tester 021-00055 or equivalent connected as in Step D1, set tester to 145 ohms. ● Turn ignition switch to RUN position. ● Wait 60 seconds and read fuel gauge. ● Does fuel gauge read FULL? 		Yes	▶ GO to D6.
		No	▶ GO to D5.
D5	ANTI-SLOSH MODULE BYPASS TEST		
<ul style="list-style-type: none"> ● Turn ignition switch to OFF position. ● Remove instrument cluster and inspect flexible circuit. ● Remove anti-slosh module. ● Connect a jumper wire from tester to fuel gauge 'SIG' terminal. ● Turn ignition switch to RUN position and read fuel gauge. ● Does gauge read FULL? 		Yes	▶ REPLACE anti-slosh module. GO to D1.
		No	▶ REPLACE fuel gauge. GO to D1.
D6	INSPECT FUEL TANK		
<ul style="list-style-type: none"> ● inspect fuel tank for damage or distortion. ● Is there damage? 		Yes	▶ REPLACE fuel tank.
		No	▶ GO to E1.

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