

## DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST FF:**  
**INACCURATE FUEL INDICATION — FULL NOT INDICATED WHEN FUEL TANK IS FULL — EMPTY NOT INDICATED WHEN FUEL TANK IS EMPTY (Continued)**

TEST STEP		RESULT	ACTION TO TAKE
FF3	CHECK HARNESS RESISTANCE		
	<ul style="list-style-type: none"> <li>● Disconnect ground cable to battery.</li> <li>● Remove cluster and secure connectors from shorting.</li> <li>● With a 43 ohm resistor in place of fuel sender, measure resistance between Pins 6 and 8 of Connector A.</li> </ul>	42-45 ohms Not between 42 and 45 ohms	REPLACE cluster. SERVICE Circuit 29 as required.
FF4	CHECK FUEL TANK SENDING UNIT AND PUMP		
	<ul style="list-style-type: none"> <li>● Disconnect ground cable to battery.</li> <li>● Check fuel tank sending unit and pump for binding, sticking, misalignment, etc.</li> <li>● Is sender OK?</li> </ul>	Yes No	GO to FF5. SERVICE or REPLACE fuel tank sending unit and pump as required.
FF5	CHECK FUEL TANK		
	<ul style="list-style-type: none"> <li>● Check fuel tank for dents, bulges or other damage.</li> <li>● Check for proper installation of fuel tube.</li> <li>● Are fuel tank or fuel tube OK?</li> </ul>	Yes No	GO to FF6. REPLACE fuel tank or fuel tube.
FF6	CHECK FUEL VAPOR SYSTEM		
	<ul style="list-style-type: none"> <li>● Check for blockage of fuel tank vapor valve, tubing or carbon canister. Refer to Section 10-00.</li> <li>● Is system OK?</li> </ul>	Yes No	System OK. Fault caused by other vehicle system. SERVICE or REPLACE as required.

**PINPOINT TEST FG: DOOR AJAR WARNING NEVER/ ALWAYS COMES ON**

TEST STEP		RESULT	ACTION TO TAKE
FG1	VERIFY CONDITION		
		Always on Never on	GO to FG2. GO to FG4.
FG2	CHECK SWITCHES		
	<ul style="list-style-type: none"> <li>● The following steps are to be repeated for each door ajar switch. Start with the drivers door, then front passenger, then rear passengers.</li> <li>● Turn ignition switch to OFF. This resets the warning.</li> <li>● Pull connector off of the door ajar switch.</li> <li>● Turn ignition switch to RUN.</li> <li>● Check message center for warning.</li> <li>● Repeat until no warning is displayed or all door switches are disconnected.</li> <li>● Is warning still displayed?</li> </ul>	Yes No	GO to FG3. SERVICE the last switch tested.
FG3	CHECK CIRCUIT 627 (BK/O)		
	<ul style="list-style-type: none"> <li>● Turn ignition switch to OFF.</li> <li>● Remove electronic instrument cluster.</li> <li>● Check continuity between Pins 17 and 8 of Connector A.</li> <li>● Is there continuity?</li> </ul>	No Yes	REPLACE cluster. <sup>6</sup> SERVICE Circuit 627 (BK/O) for short.
FG4	CHECK SWITCH		
	<ul style="list-style-type: none"> <li>● Turn ignition switch to OFF.</li> <li>● Pull connector off of the problem door ajar switch.</li> <li>● Connect a jumper wire from Circuit 627 (BK/O) at the harness connector to ground.</li> <li>● Turn ignition switch to RUN.</li> <li>● Check message center for warning.</li> <li>● Is warning displayed?</li> </ul>	Yes No	SERVICE door ajar switch. GO to FG5.

<sup>6</sup> Affix odometer sticker to door pillar.