

DIAGNOSIS AND TESTING (Continued)

DIAGNOSTIC TROUBLE CODE 41 (Continued)

TEST STEP		RESULT	ACTION TO TAKE
41-2	DEACTIVATE SYSTEM		
	<ul style="list-style-type: none"> <li>Deactivate system.</li> <li>Disconnect diagnostic monitor.</li> <li>Set ohmmeter on 200 ohm scale or AUTO.</li> <li>Measure resistance across Pin 17 (Circuit 617, PK/O) and Pin 2 (Circuit 624, Y/W) of diagnostic monitor harness connector.</li> <li>Is resistance reading less than 2 ohms?</li> </ul> <p>DIAGNOSTIC MONITOR CONNECTOR GRAY      DIAGNOSTIC MONITOR CONNECTOR BLACK R7876-A</p>	<p>Yes</p> <p>No</p>	<p>REPLACE diagnostic monitor. RECONNECT system. VERIFY system. REACTIVATE system.</p> <p>GO to 41-3.</p>
41-3	CHECK RESISTANCE OF CENTER COWL PRIMARY CRASH SENSOR		
	<ul style="list-style-type: none"> <li>Disconnect center cowl primary crash sensor from harness.</li> <li>Measure resistance across Circuits 617 (PK/O) and 624 (Y/W) in sensor connector.</li> <li>Is resistance reading less than 2 ohms?</li> </ul> <p>CENTER COWL CRASH SENSOR R7578-A</p>	<p>Yes</p> <p>No</p>	<p>LOCATE and SERVICE open circuit in wiring harness between diagnostic monitor and center cowl primary crash sensor in either Circuit 617 (PK/O) or 624 (Y/W). INSPECT all interconnections. RECONNECT system. VERIFY system. REACTIVATE system.</p> <p>REPLACE center cowl primary crash sensor. RECONNECT system. VERIFY system. REACTIVATE system.</p>

Diagnostic Trouble Code 42

Center Radiator Primary Crash Sensor Feed/Return Circuit Open

Normal Operation

The voltage at Pin 18 (Circuit 619, PK/W) is approximately 10 volts (± 1 volt). Circuit 619 is connected to Circuit 625 (Y/LG) inside the center radiator primary crash sensor. Therefore, the voltage at Pin 6 should be the same as the voltage at Pin 18. If the voltage at Pin 6 is lower than the voltage at Pin 18, the diagnostic monitor will flash code 42.

Possible Causes

Low voltage on Pin 6 can be caused by:

1. An open circuit in the wiring harness in either Circuit 619 (PK/W) or Circuit 625 (Y/LG).
2. An open circuit in center radiator primary crash sensor across the PK/W and Y/LG wires.