

# B1552: Serial Communication Circuit Malfunction

## DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Data received by HVAC control module from BCM is erroneous continuously.	<ul style="list-style-type: none"> <li>• BCM</li> <li>• HVAC control module</li> </ul>

## DTC Confirmation Procedure

- 1) Connect scan tool to DLC with ignition switch turned OFF.
- 2) Turn ON ignition switch and clear DTC using scan tool.
- 3) Check DTC.

Step	Action	Yes	No
1	<p><b>Serial communication signal data check</b></p> <p>1) Connect scan tool to DLC with ignition switch turned OFF.</p> <p>2) Start engine and select "DATA LIST" mode on scan tool. 3) Check "Refrigerant Pressure", "Vehicle Speed", "Coolant Temp" and "Outside Air Temp" varies displayed on scan tool.</p> <p>Is displayed each varies described varies in "Scan Tool Data: "?</p>	Intermittent trouble. Check for intermittent referring to "Intermittent and Poor Connection Inspection: in Section 00".	Go to Step 2.
2	<p><b>Serial communication signal check</b></p> <p>1) Connect connectors to BCM and HVAC control module. 2) Using oscilloscope, check that serial communication signal at "G30-5" is outputted referring to "Voltage Check" of "Inspection of BCM and its Circuits: in Section 10B".</p> <p>Is serial communication signal outputted at "G30-5" terminal of BCM connector?</p>	HVAC control module faulty.	BCM (included in junction block assembly) faulty.