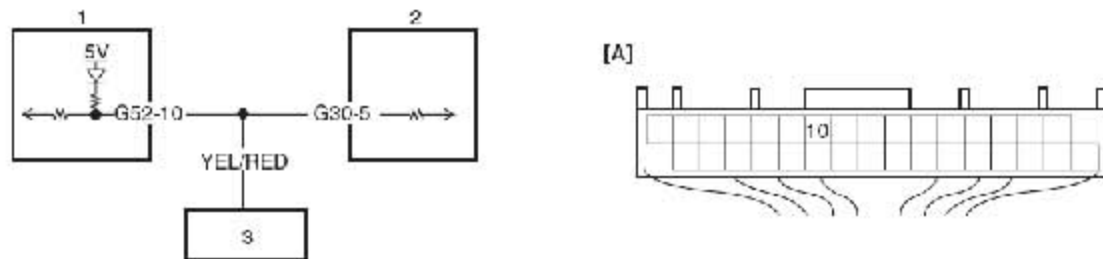


B1551: Serial Communication Circuit Malfunction

Wiring Diagram



[A]: HVAC control module connector "G52" (harness side view)	2. BCM
1. HVAC control module	3. Information display

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Serial communication signal is more than or less than specified value for specified time continuously.	<ul style="list-style-type: none"> • Serial communication line of BCM • BCM • Information display • HVAC control module

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>DTC check</p> <p>1) Connect scan tool to DLC with ignition switch turned OFF. 2) Turn ignition switch ON and clear DTC referring to "DTC Clearance: ". 3) Disconnect connector from information display with ignition switch turned OFF. 4) Turn ignition switch ON and check DTC referring to "DTC Check: ". Is there DTC B1551?</p>	Go to Step 2.	Information display faulty.
2	<p>Wire harness check</p> <p>1) Disconnect connectors from BCM and HVAC control module. 2) Measure resistance between "G30-5" terminal of BCM connector and "G52-10" terminal of HVAC control module connector. Is resistance below 5 Ω?</p>	Go to Step 3.	"YEL/RED" wire open or high resistance circuit.
3	<p>Wire harness check</p> <p>1) Measure resistance between "G52-10" terminal of HVAC control module connector and vehicle body ground. Is resistance infinity?</p>	Go to Step 4.	"YEL/RED" wire shorted to ground circuit.
4	<p>Wire harness check</p> <p>1) Measure voltage between "G52-10" terminal of HVAC control module connector and vehicle body ground with ignition switch turned ON. Is voltage 0 V?</p>	Go to Step 5.	"YEL/RED" wire shorted to other circuit.

Step	Action	Yes	No
5	Serial communication signal check 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" in "Inspection of BCM and its Circuits: in Section 10B". Is serial communication signal outputted at "G30-5" terminal of BCM connector?	HVAC control module faulty.	BCM (included in junction block assembly) faulty.

LAUNCH