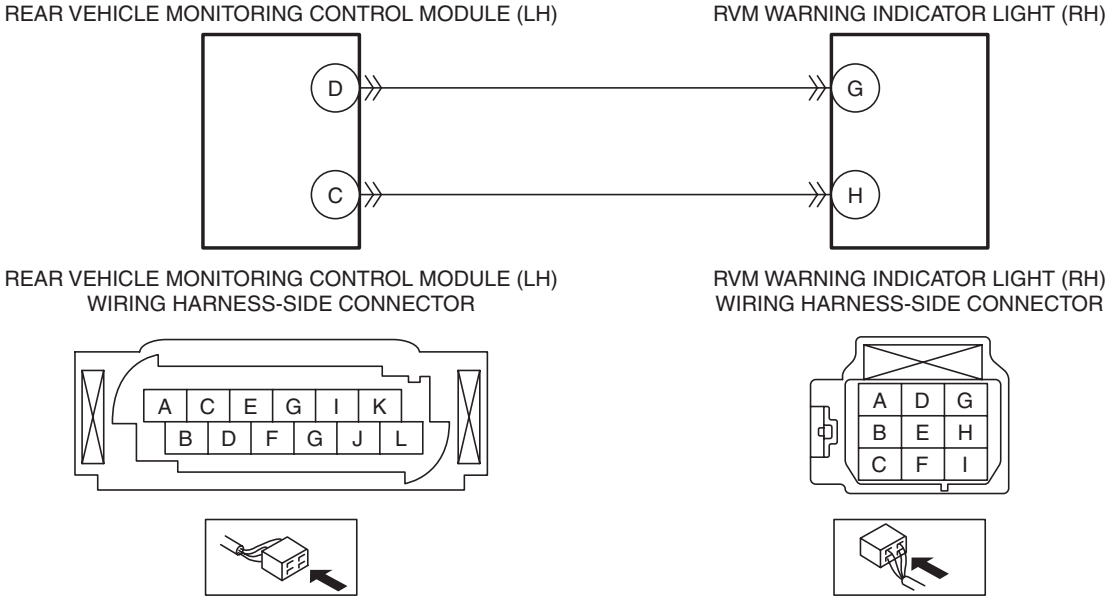
DTC B11CB:15 [REAR VEHICLE MONITORING SYSTEM]

id0902z2886300

System malfunction location	**RVM warning indicator light (RH) circuit malfunction**
Detection condition	• Rear vehicle monitoring control module (LH) detects an open or short circuit to ground in RVM warning indicator light (RH) power supply circuit.
Fail-safe	• Inhibits the rear vehicle monitoring system.
Possible cause	• RVM warning indicator light (RH) connector or terminal malfunction • Rear vehicle monitoring control module (LH) connector or terminal malfunction • Short to power supply in wiring harness between the following terminals: — Rear vehicle monitoring control module (LH) terminal D and RVM warning indicator light (RH) terminal G — Rear vehicle monitoring control module (LH) terminal C and RVM warning indicator light (RH) terminal H • RVM warning indicator light (RH) malfunction • Open circuit in wiring harness between the following terminals: — Rear vehicle monitoring control module (LH) terminal D and RVM warning indicator light (RH) terminal G — Rear vehicle monitoring control module (LH) terminal C and RVM warning indicator light (RH) terminal H • Rear vehicle monitoring control module (LH) malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**INSPECT RVM WARNING INDICATOR LIGHT (RH) CONNECTOR** • Switch the ignition to off. • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Disconnect the RVM warning indicator light (RH) connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is the connector normal?	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
2	**INSPECT REAR VEHICLE MONITORING CONTROL MODULE (LH) CONNECTOR** • Disconnect the rear vehicle monitoring control module (LH) connector. • Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection. • Is the connector normal?	Yes	Go to the next step.
		No	Repair or replace the connector, then go to Step 6.
3	**INSPECT RVM WARNING INDICATOR LIGHT (RH) CIRCUIT FOR SHORT TO POWER SUPPLY** • Verify that the rear vehicle monitoring control module (LH) connector and RVM warning indicator light (RH) connector are disconnected. • Connect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Switch the ignition ON (engine off or on). • Measure the voltage at the following terminals (vehicle wiring harness side). — RVM warning indicator light (RH) terminal G — RVM warning indicator light (RH) terminal H • Is the voltage **0 V**?	Yes	Go to the next step.
		No	Repair or replace the wiring harness which is shorted to power supply, then go to Step 6.
4	**INSPECT RVM WARNING INDICATOR LIGHT (RH)** • Inspect the RVM warning indicator light (RH). (See RVM WARNING INDICATOR LIGHT INSPECTION.) • Is the RVM warning indicator light (RH) normal?	Yes	Go to the next step.
		No	Replace the RVM warning indicator light (RH), then go to Step 6. (See RVM WARNING INDICATOR LIGHT REMOVAL/INSTALLATION.)

Step	Inspection		Action
5	**INSPECT RVM WARNING INDICATOR LIGHT (RH) CIRCUIT FOR OPEN CIRCUIT** • Verify that the rear vehicle monitoring control module (LH) connector and RVM warning indicator light (RH) connector are disconnected. • Switch the ignition to off. • Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Inspect the wiring harness between the following terminals (vehicle wiring harness side) for continuity. — Rear vehicle monitoring control module (LH) terminal D and RVM warning indicator light (RH) terminal G — Rear vehicle monitoring control module (LH) terminal C and RVM warning indicator light (RH) terminal H • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to the next step.
6	**VERIFY THAT REPAIRS HAVE BEEN COMPLETED** • Reconnect all the disconnected connectors. • Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Clear the DTC for the rear vehicle monitoring control module using the M-MDS. (See CLEARING DTC [REAR VEHICLE MONITORING SYSTEM].) • Illuminate the RVM warning indicator light (RH) using the simulation item WRN_IND_R. (See ACTIVE COMMAND MODES INSPECTION [REAR VEHICLE MONITORING SYSTEM].) • Perform the DTC inspection for the rear vehicle monitoring control module using the M-MDS. (See DTC INSPECTION [REAR VEHICLE MONITORING SYSTEM].) • Is DTC B11CB:15 displayed?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the rear vehicle monitoring control module (LH), then go to the next step. (See REAR VEHICLE MONITORING CONTROL MODULE REMOVAL/INSTALLATION.)
		No	Go to the next step.
7	**VERIFY IF OTHER DTCs DISPLAYED** • Are any other DTCs displayed?	Yes	Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [REAR VEHICLE MONITORING SYSTEM].)
		No	DTC troubleshooting completed.