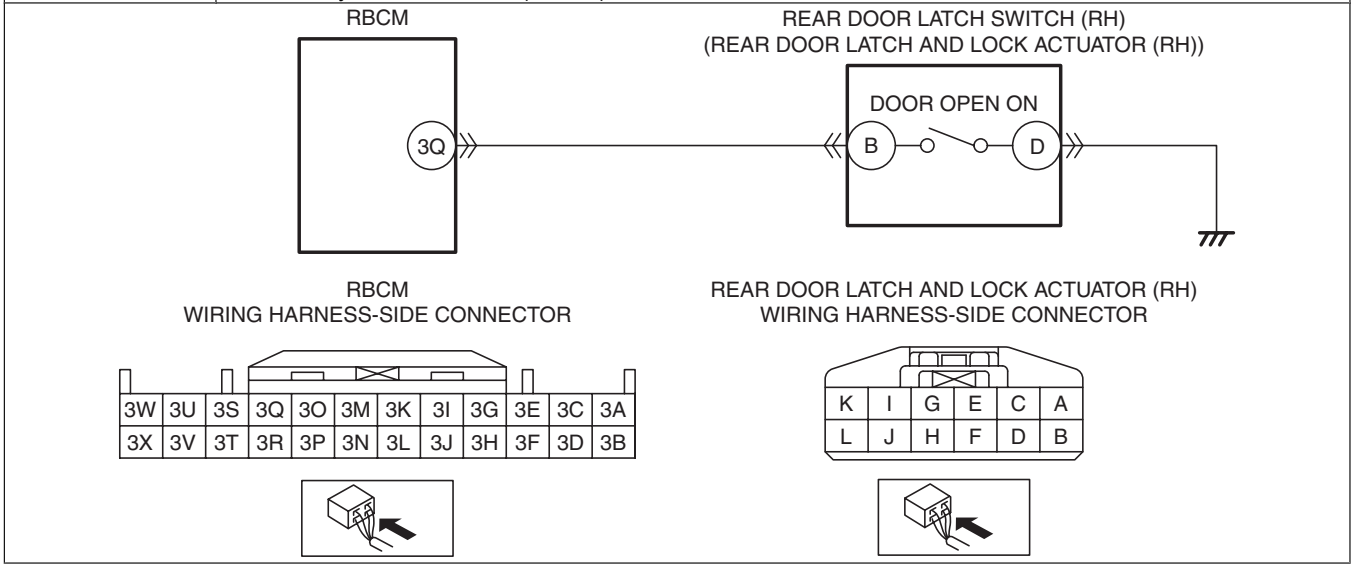
DTC B11EA:11 [REAR BODY CONTROL MODULE (RBCM)]

id0902p4014700

System malfunction location	**Rear door latch switch (RH) circuit malfunction**
Detection condition	• With the rear door (RH) closed (rear door latch switch (RH) off), the rear body control module (RBCM) detects a short to ground in the rear door latch switch (RH) circuit.
Fail-safe	—
Possible cause	• Rear door latch and lock actuator (RH) connector or terminal malfunction • Rear door latch switch (RH) malfunction • Rear body control module (RBCM) connector or terminal malfunction • Short to ground in wiring harness between rear body control module (RBCM) terminal 3Q and rear door latch and lock actuator (RH) terminal B • Rear body control module (RBCM) malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**VERIFY REAR BODY CONTROL MODULE (RBCM) DTCs AGAIN** • Clear rear body control module (RBCM) DTCs using the M-MDS. (See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].) • Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS. (See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].) • Is DTC B11EA:11 displayed?	Yes	Go to the next step.
		No	Go to Step 7.

Step	Inspection		Action
2	**INSPECT REAR DOOR LATCH AND LOCK ACTUATOR (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].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Disconnect the rear door latch and lock actuator (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.
3	**INSPECT REAR DOOR LATCH SWITCH (RH)** • Inspect the rear door latch switch (RH). (See REAR DOOR LATCH SWITCH INSPECTION.) • Is the rear door latch switch (RH) normal?	Yes	Go to the next step.
		No	Replace the rear door latch and lock actuator (RH), then go to Step 6. (See REAR DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)
4	**INSPECT REAR BODY CONTROL MODULE (RBCM) CONNECTOR CONDITION** • Disconnect the rear body control module (RBCM) 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.
5	**INSPECT REAR DOOR LATCH SWITCH (RH) CIRCUIT FOR SHORT TO GROUND** • Verify that the rear body control module (RBCM) connector and rear door latch and lock actuator (RH) connector are disconnected. • Inspect for continuity between rear door latch and lock actuator (RH) terminal B (vehicle wiring harness) and body ground. • Is there continuity?	Yes	Repair or replace the wiring harness which has a short to ground, then go to the next step.
		No	Go to the next step.

Step	Inspection		Action
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].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) • Clear rear body control module (RBCM) DTCs using the M-MDS. (See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].) • Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS. (See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].) • Is DTC B11EA:11 displayed?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the rear body control module (RBCM), then go to the next step. (See REAR BODY CONTROL MODULE (RBCM) 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 BODY CONTROL MODULE (RBCM)].)
		No	DTC troubleshooting completed.