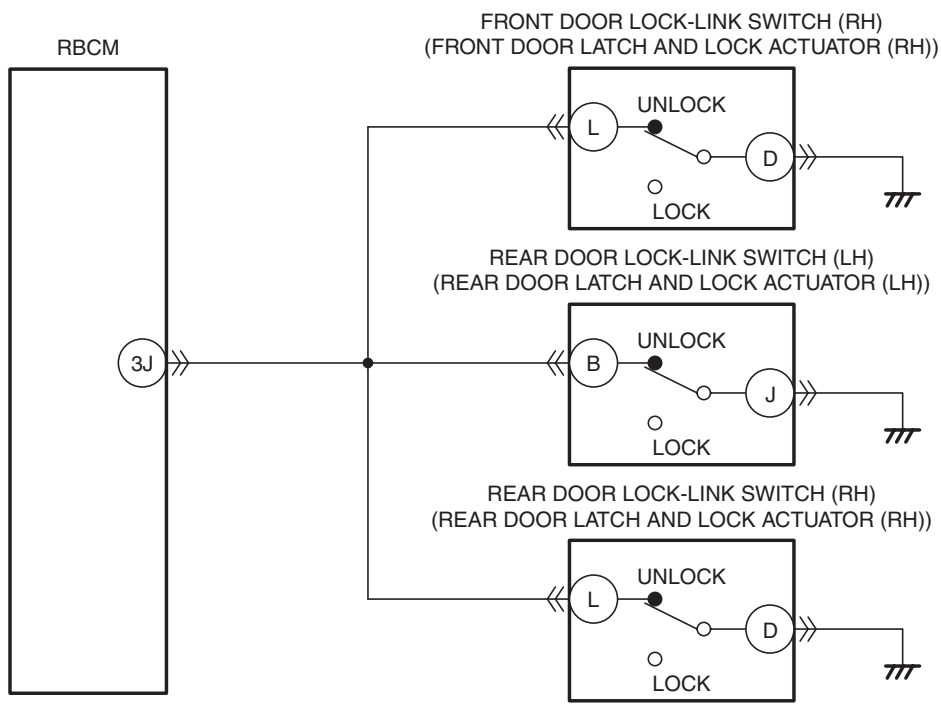
DTC B1174:13 [REAR BODY CONTROL MODULE (RBCM)]

id0902p4014100

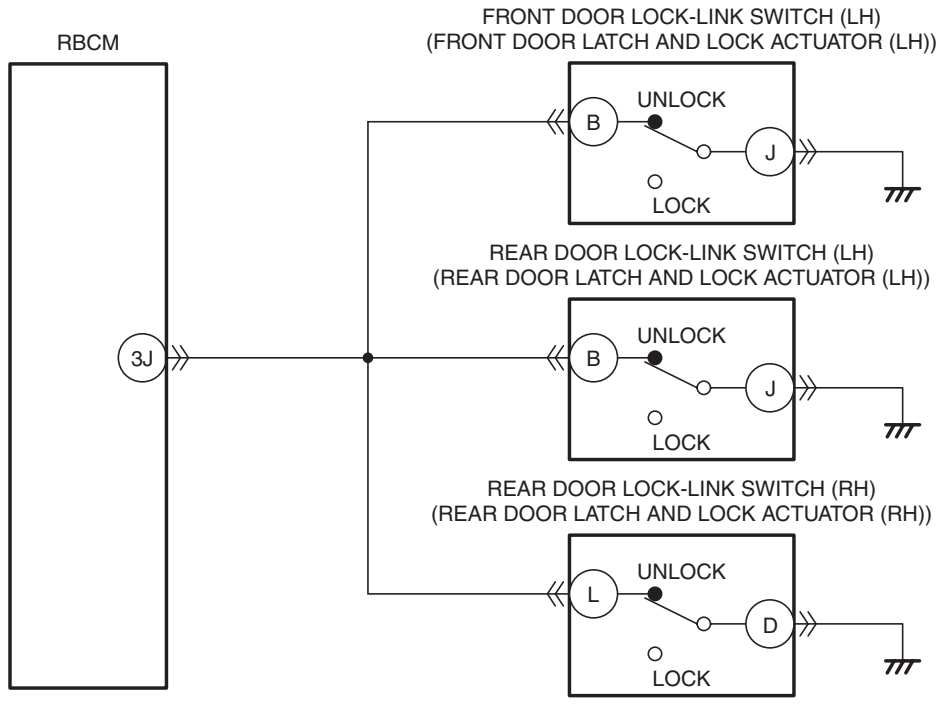
System malfunction location	**Front door lock-link switch (passenger's side)/rear door lock-link switch (LH)/(RH) unlock circuit malfunction**
Detection condition	• With the front door lock-link switch (passenger's side)/rear door lock-link switch (LH)/(RH) unlocked, the rear body control module (RBCM) detects an open circuit in the door lock-link switch unlock circuit.
Fail-safe	—
Possible cause	• Front door latch and lock actuator (passenger's side) connector or terminal malfunction • Open circuit in wiring harness between the following terminals: — L.H.D.: • Front door latch and lock actuator (RH) terminal D and body ground — R.H.D.: • Front door latch and lock actuator (LH) terminal J and body ground • Front door lock-link switch (passenger's side) malfunction • Rear door latch and lock actuator (LH) connector or terminal malfunction • Open circuit in wiring harness between rear door latch and lock actuator (LH) terminal J and body ground • Rear door lock-link switch (LH) malfunction • Rear door latch and lock actuator (RH) connector or terminal malfunction • Open circuit in wiring harness between rear door latch and lock actuator (RH) terminal D and body ground • Rear door lock-link switch (RH) malfunction • Rear body control module (RBCM) connector or terminal malfunction • Open circuit in wiring harness between the following terminals: — L.H.D.: • Rear body control module (RBCM) terminal 3J and front door latch and lock actuator (RH) terminal L/rear door latch and lock actuator (LH) terminal B/rear door latch and lock actuator (RH) terminal L — R.H.D.: • Rear body control module (RBCM) terminal 3J and front door latch and lock actuator (LH) terminal B/rear door latch and lock actuator (LH) terminal B/rear door latch and lock actuator (RH) terminal L • Rear body control module (RBCM) malfunction

System malfunction location	Front door lock-link switch (passenger's side)/rear door lock-link switch (LH)/(RH) unlock circuit malfunction

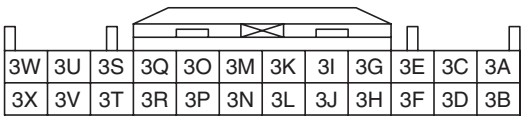
L.H.D.



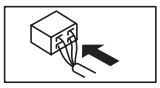
R.H.D.



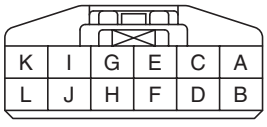
RBCM
WIRING HARNESS-SIDE CONNECTOR



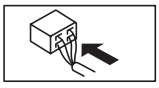
3W	3U	3S	3Q	3O	3M	3K	3I	3G	3E	3C	3A
3X	3V	3T	3R	3P	3N	3L	3J	3H	3F	3D	3B



FRONT DOOR LATCH AND LOCK ACTUATOR (LH)/(RH)/
REAR DOOR LATCH AND LOCK ACTUATOR (LH)/(RH)
WIRING HARNESS-SIDE CONNECTOR



K	I	G	E	C	A
L	J	H	F	D	B



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 B1174:13 displayed?	Yes	Go to the next step.
		No	Go to Step 14.
2	**INSPECT FRONT DOOR LATCH AND LOCK ACTUATOR (PASSENGER'S DOOR) 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 front door latch and lock actuator (passenger's side) 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 13.
3	**INSPECT FOR OPEN CIRCUIT IN FRONT DOOR LOCK-LINK SWITCH (PASSENGER'S SIDE) GROUND CIRCUIT** • Verify that the front door latch and lock actuator (passenger's side) connector is disconnected. • Inspect the wiring harness between the following terminals (vehicle wiring harness side) for continuity. — L.H.D.: • Front door latch and lock actuator (RH) terminal D and body ground — R.H.D.: • Front door latch and lock actuator (LH) terminal J and body ground • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to Step 13.
4	**INSPECT FRONT DOOR LOCK-LINK SWITCH (PASSENGER'S DOOR)** • Inspect the front door lock-link switch (passenger's door). (See DOOR LOCK-LINK SWITCH INSPECTION.) • Is the front door lock-link switch (passenger's door) normal?	Yes	Go to the next step.
		No	Replace the front door latch and lock actuator (passenger's side), then go to Step 13. (See FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)

Step	Inspection		Action
5	**INSPECT REAR DOOR LATCH AND LOCK ACTUATOR (LH) CONNECTOR** • Disconnect the rear door latch and lock actuator (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 13.
6	**INSPECT FOR OPEN CIRCUIT IN REAR DOOR LOCK-LINK SWITCH (LH) GROUND CIRCUIT** • Verify that the rear door latch and lock actuator (LH) connector is disconnected. • Inspect the wiring harness for continuity between rear door latch and lock actuator (LH) terminal J (vehicle wiring harness side) and body ground. • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to Step 13.
7	**INSPECT REAR DOOR LOCK-LINK SWITCH (LH)** • Inspect the rear door lock-link switch (LH). (See DOOR LOCK-LINK SWITCH INSPECTION.) • Is the rear door lock-link switch (LH) normal?	Yes	Go to the next step.
		No	Replace the rear door latch and lock actuator (LH), then go to Step 13. (See REAR DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)
8	**INSPECT REAR DOOR LATCH AND LOCK ACTUATOR (RH) CONNECTOR** • 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 13.
9	**INSPECT FOR OPEN CIRCUIT IN REAR DOOR LOCK-LINK SWITCH (RH) GROUND CIRCUIT** • Verify that the rear door latch and lock actuator (RH) connector is disconnected. • Inspect the wiring harness for continuity between rear door latch and lock actuator (RH) terminal D (vehicle wiring harness side) and body ground. • Is there continuity?	Yes	Go to the next step.
		No	Repair or replace the wiring harness which has an open circuit, then go to Step 13.
10	**INSPECT REAR DOOR LOCK-LINK SWITCH (RH)** • Inspect the rear door lock-link switch (RH). (See DOOR LOCK-LINK SWITCH INSPECTION.) • Is the rear door lock-link switch (RH) normal?	Yes	Go to the next step.
		No	Replace the rear door latch and lock actuator (RH), then go to Step 13. (See REAR DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)
11	**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 13.

Step	Inspection		Action
12	**INSPECT FRONT DOOR LOCK-LINK SWITCH (PASSENGER'S SIDE)/REAR DOOR LINK SWITCH (LH)/(RH) CIRCUIT FOR OPEN CIRCUIT** • Verify that the rear body control module (RBCM) connector, front door latch and lock actuator (passenger's side) connector, rear door latch and lock actuator (LH) connector, and rear door latch and lock actuator (RH) connector are disconnected. • Inspect the wiring harness between the following terminals (vehicle wiring harness side) for continuity. — L.H.D.: • Rear body control module (RBCM) terminal 3J and front door latch and lock actuator (RH) terminal L • Rear body control module (RBCM) terminal 3J and rear door latch and lock actuator (LH) terminal B • Rear body control module (RBCM) terminal 3J and rear door latch and lock actuator (RH) terminal L — R.H.D.: • Rear body control module (RBCM) terminal 3J and front door latch and lock actuator (LH) terminal B • Rear body control module (RBCM) terminal 3J and rear door latch and lock actuator (LH) terminal B • Rear body control module (RBCM) terminal 3J and rear door latch and lock actuator (RH) terminal L • 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.
13	**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 B1174:13 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.
14	**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.