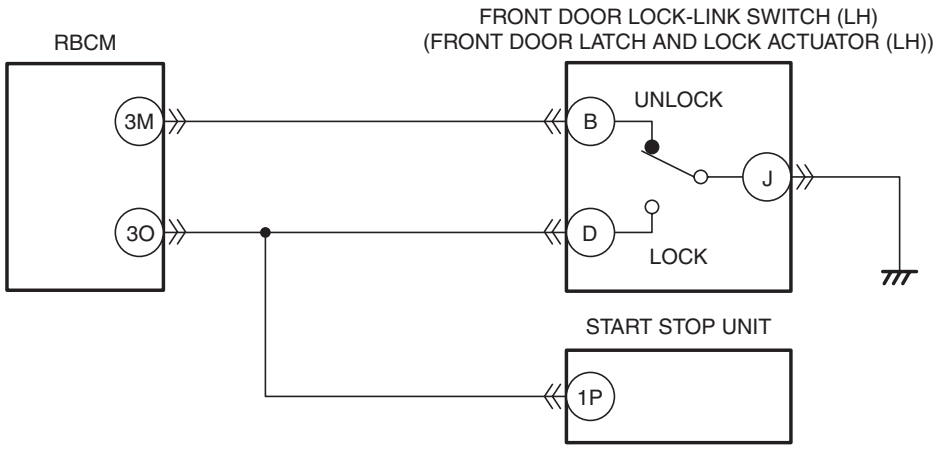
DTC B126A:11 [REAR BODY CONTROL MODULE (RBCM)]

id0902p4014800

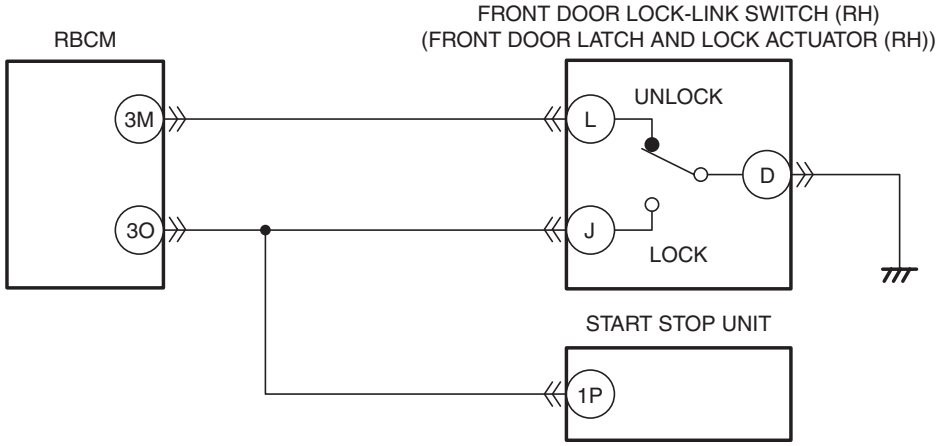
System malfunction location	**Front door lock-link switch (driver's side) lock circuit malfunction**
Detection condition	• With the front door lock-link switch (driver's side) unlocked, the rear body control module (RBCM) detects a short to ground in the front door lock-link switch (driver's side) lock circuit.
Fail-safe	—
Possible cause	• Front door latch and lock actuator (driver's side) connector or terminal malfunction • Front door lock-link switch (driver's side) malfunction • Start stop unit connector or terminal malfunction • Rear body control module (RBCM) connector or terminal malfunction • Short to ground in wiring harness between the following terminals: — L.H.D.: • Start stop unit terminal 1P and front door latch and lock actuator (LH) terminal D • Rear body control module (RBCM) terminal 3O and front door latch and lock actuator (LH) terminal D — R.H.D.: • Start stop unit terminal 1P and front door latch and lock actuator (RH) terminal J • Rear body control module (RBCM) terminal 3O and front door latch and lock actuator (RH) terminal J • Start stop unit malfunction • Rear body control module (RBCM) malfunction

System malfunction location	Front door lock-link switch (driver's side) lock circuit malfunction

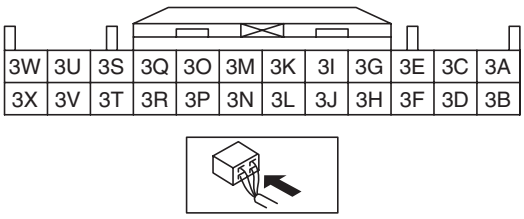
L.H.D.



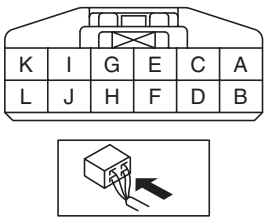
R.H.D.



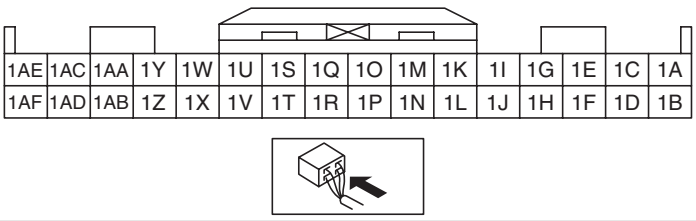
RBCM
WIRING HARNESS-SIDE CONNECTOR



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



START STOP UNIT
WIRING HARNESS-SIDE CONNECTOR



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 B126A:11 displayed?	Yes	Go to the next step.
		No	Go to Step 9.
2	**INSPECT FRONT DOOR LATCH AND LOCK ACTUATOR (DRIVER'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 (driver'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 8.
3	**INSPECT FRONT DOOR LOCK-LINK SWITCH (DRIVER'S DOOR)** • Inspect the front door lock-link switch (driver's door). (See DOOR LOCK-LINK SWITCH INSPECTION.) • Is the front door lock-link switch (driver's door) normal?	Yes	Go to the next step.
		No	Replace the front door latch and lock actuator (driver's side), then go to Step 8. (See FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)
4	**INSPECT START STOP UNIT CONNECTOR CONDITION** • Disconnect the start stop unit 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 8.
5	**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 8.

Step	Inspection		Action
6	**INSPECT FRONT DOOR LOCK-LINK SWITCH (DRIVER'S SIDE) CIRCUIT FOR SHORT TO GROUND** • Verify that the rear body control module (RBCM) connector, start stop unit connector, and front door latch and lock actuator (driver's side) connector are disconnected. • Inspect for continuity between the following terminals (vehicle wiring harness side) and body ground. — L.H.D.: • Front door latch and lock actuator (LH) terminal D — R.H.D.: • Front door latch and lock actuator (RH) terminal J • Is there continuity?	Yes	Repair or replace the wiring harness which is shorted to ground, then go to Step 8.
		No	Go to the next step.
7	**INSPECT START STOP UNIT** • Inspect the start stop unit. (See START STOP UNIT INSPECTION.) • Is the start stop unit normal?	Yes	Go to the next step.
		No	Replace the start stop unit, then go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.)
8	**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 B126A: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.
9	**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.