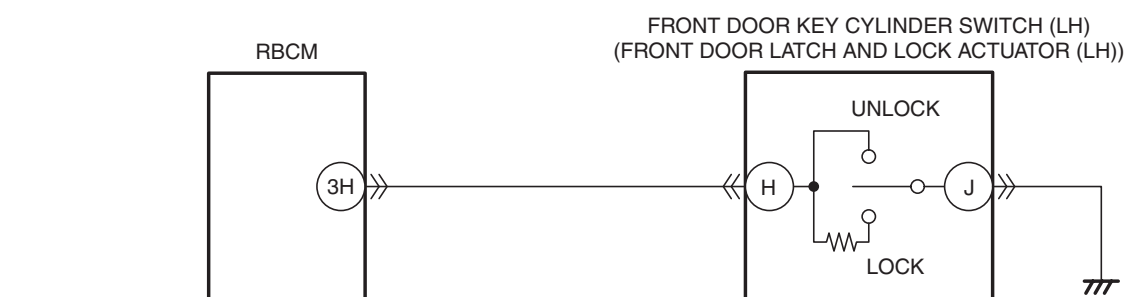


# DTC B11DA:16 [REAR BODY CONTROL MODULE (RBCM)]

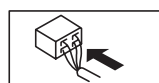
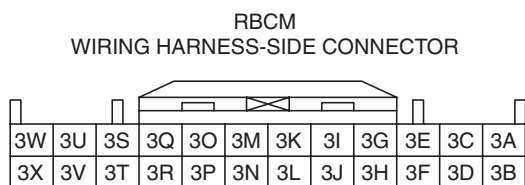
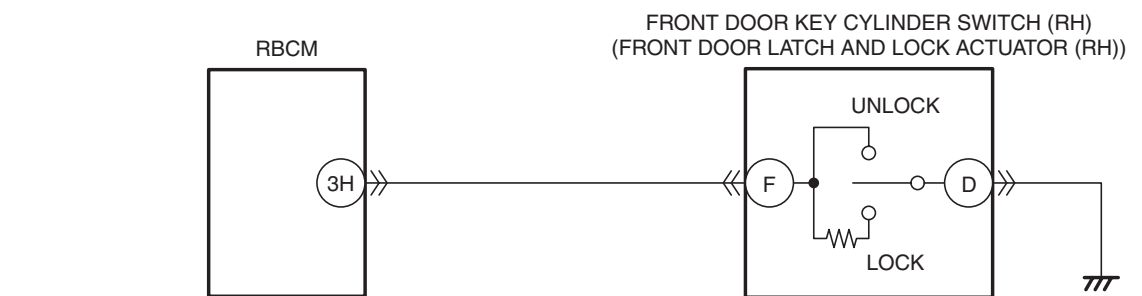
id0902p4014500

|                                    |  |
|------------------------------------|--|
| <b>System malfunction location</b> | <b>Front door key cylinder switch (driver's side) circuit malfunction</b>  |
| <b>Detection condition</b>         | <ul style="list-style-type: none"> <li>With the front door key cylinder switch (driver's side) off, the rear body control module (RBCM) detects front door key cylinder switch (driver's side) voltage of <b>4 V or less</b>.</li> </ul>   |
| <b>Fail-safe</b>                   | —  |
| <b>Possible cause</b>              | <ul style="list-style-type: none"> <li>Front door latch and lock actuator (driver's side) connector or terminal malfunction</li> <li>Front door key cylinder switch (driver's side) malfunction</li> <li>Rear body control module (RBCM) connector or terminal malfunction</li> <li>Short to ground in wiring harness between the following terminals: <ul style="list-style-type: none"> <li>L.H.D.: <ul style="list-style-type: none"> <li>Rear body control module (RBCM) terminal 3H and front door latch and lock actuator (LH) terminal H</li> </ul> </li> <li>R.H.D.: <ul style="list-style-type: none"> <li>Rear body control module (RBCM) terminal 3H and front door latch and lock actuator (RH) terminal F</li> </ul> </li> </ul> </li> <li>Rear body control module (RBCM) malfunction</li> </ul> |

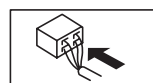
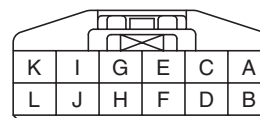
## L.H.D.



## R.H.D.



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



## Diagnostic Procedure

| Step | Inspection  | Action |  |
|------|---|--------|--|
| 1    | <b>VERIFY REAR BODY CONTROL MODULE (RBCM) DTCs AGAIN</b> <ul style="list-style-type: none"> <li>• Clear rear body control module (RBCM) DTCs using the M-MDS.<br/>(See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>• Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS.<br/>(See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>• Is DTC B11DA:16 displayed?</li> </ul>   | Yes    | Go to the next step.   |
|      |   | No     | Go to Step 7.  |
| 2    | <b>INSPECT FRONT DOOR LATCH AND LOCK ACTUATOR (DRIVER'S DOOR) CONNECTOR</b> <ul style="list-style-type: none"> <li>• Switch the ignition to off.</li> <li>• Disconnect the negative battery cable.<br/>(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)<br/>(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)<br/>(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)</li> <li>• Disconnect the front door latch and lock actuator (driver's side) connector.</li> <li>• Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection.</li> <li>• Is the connector normal?</li> </ul> | Yes    | Go to the next step.   |
|      |   | No     | Repair or replace the connector, then go to Step 6.  |
| 3    | <b>INSPECT FRONT DOOR KEY CYLINDER SWITCH (DRIVER'S DOOR)</b> <ul style="list-style-type: none"> <li>• Inspect the front door key cylinder switch (driver's door).<br/>(See FRONT DOOR KEY CYLINDER SWITCH INSPECTION.)</li> <li>• Is the front door key cylinder switch (driver's side) normal?</li> </ul>   | Yes    | Go to the next step.   |
|      |   | No     | Replace the front door latch and lock actuator (driver's side), then go to Step 6.<br>(See FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.) |
| 4    | <b>INSPECT REAR BODY CONTROL MODULE (RBCM) CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>• Disconnect the rear body control module (RBCM) connector.</li> <li>• Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection.</li> <li>• Is the connector normal?</li> </ul>   | Yes    | Go to the next step.   |
|      |   | No     | Repair or replace the connector, then go to Step 6.  |

| Step | Inspection   | Action |
|------|--|--------|
| 5    | <b>INSPECT FRONT DOOR KEY CYLINDER SWITCH (DRIVER'S SIDE) CIRCUIT FOR SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>• Verify that the rear body control module (RBCM) connector and front door latch and lock actuator (driver's side) connector are disconnected.</li> <li>• Inspect for continuity between the following terminals (vehicle wiring harness side) and body ground. <ul style="list-style-type: none"> <li>— L.H.D.: <ul style="list-style-type: none"> <li>• Front door latch and lock actuator (LH) terminal H</li> </ul> </li> <li>— R.H.D.: <ul style="list-style-type: none"> <li>• Front door latch and lock actuator (RH) terminal F</li> </ul> </li> </ul> </li> <li>• Is there continuity?</li> </ul>  | Yes    |
|      |  | No     |
| 6    | <b>VERIFY THAT REPAIRS HAVE BEEN COMPLETED</b> <ul style="list-style-type: none"> <li>• Reconnect all the disconnected connectors.</li> <li>• Reconnect the disconnected negative battery cable.<br/>(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)<br/>(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)<br/>(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)</li> <li>• Clear rear body control module (RBCM) DTCs using the M-MDS.<br/>(See CLEARING DTC [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>• Perform the DTC inspection for the rear body control module (RBCM) using the M-MDS.<br/>(See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].)</li> <li>• Is DTC B11DA:16 displayed?</li> </ul> | Yes    |
|      |  | No     |
| 7    | <b>VERIFY IF OTHER DTCs DISPLAYED</b> <ul style="list-style-type: none"> <li>• Are any other DTCs displayed?</li> </ul>  | Yes    |
|      |  | No     |