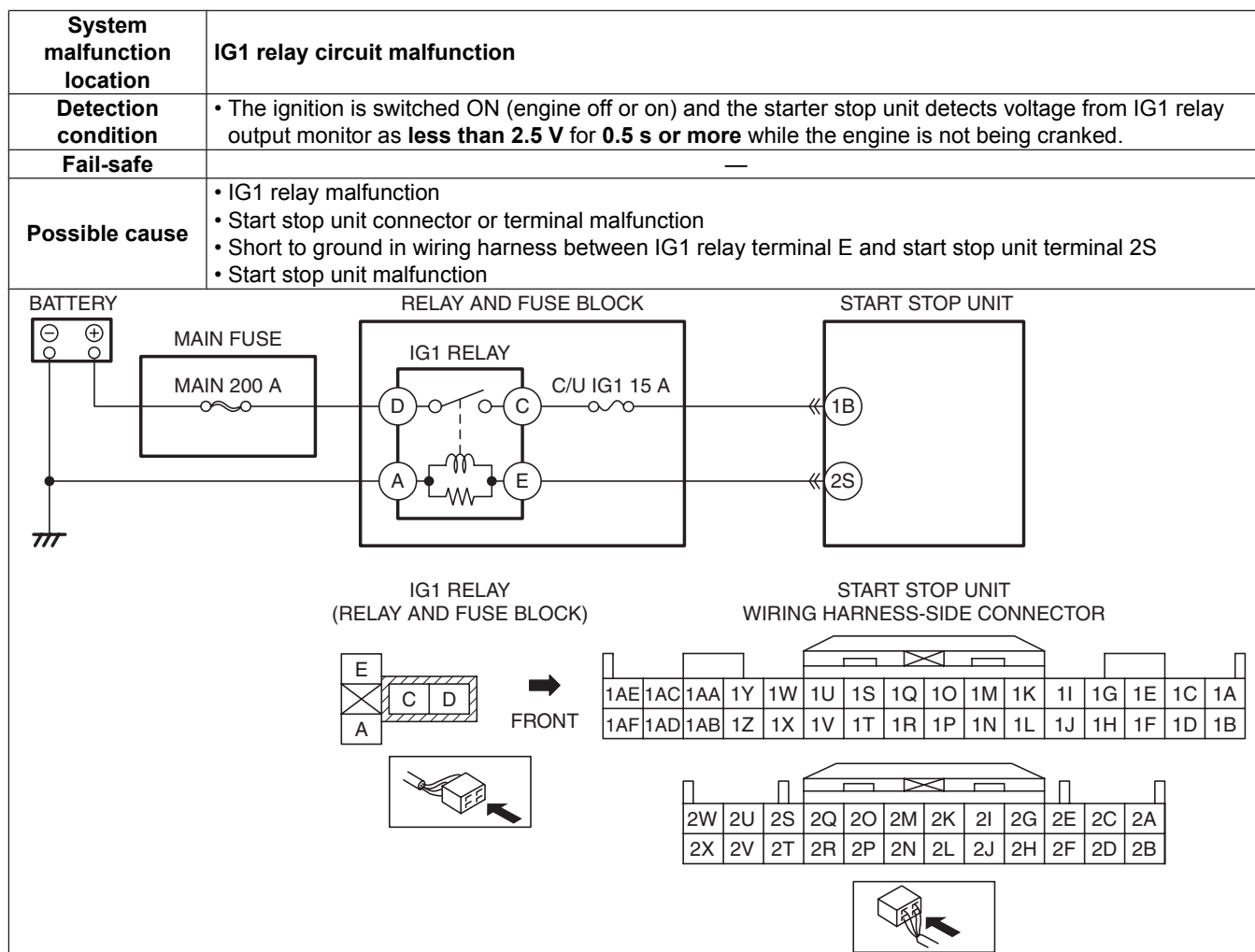


# DTC B10E7:11 [START STOP UNIT]

id0902p6020000



## Diagnostic Procedure

Step	Inspection	Action	
1	<b>INSPECT IG1 RELAY FOR MALFUNCTION</b> <ul style="list-style-type: none"><li>• Switch the ignition to off.</li><li>• 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].)</li><li>• Remove the IG1 relay. (See RELAY LOCATION.)</li><li>• Inspect the IG1 relay. (See RELAY INSPECTION.)</li><li>• Is the IG1 relay normal?</li></ul>	Yes	Go to the next step.
		No	Replace the IG1 relay, then go to Step 4. (See RELAY LOCATION.)

Step	Inspection	Action
2	<b>INSPECT START STOP UNIT CONNECTOR CONDITION</b> <ul style="list-style-type: none"> <li>• Disconnect the start stop unit 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 4.
3	<b>INSPECT IG1 RELAY CIRCUIT FOR SHORT TO GROUND</b> <ul style="list-style-type: none"> <li>• Verify that the IG1 relay is removed.</li> <li>• Verify that the start stop unit connector is disconnected.</li> <li>• Inspect for continuity between IG1 relay terminal E (vehicle wiring harness side) and body ground.</li> <li>• Is there continuity?</li> </ul>	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.
4	<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. (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].)</li> <li>• Clear DTC for the start stop unit using the M-MDS. (See CLEARING DTC [START STOP UNIT].)</li> <li>• Switch the ignition ON (engine off or on) and wait for <b>0.5 s or more</b>.</li> <li>• Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].)</li> <li>• Is the DTC B10E7:11 displayed?</li> </ul>	Yes Repeat the inspection from Step 1. • If the malfunction recurs, replace the start stop unit, then go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.)
		No Go to the next step.
5	<b>VERIFY IF OTHER DTCs DISPLAYED</b> <ul style="list-style-type: none"> <li>• Are any other DTCs displayed?</li> </ul>	Yes Repair the malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [START STOP UNIT].)
		No DTC troubleshooting completed.