DTC P1708:24 [START STOP UNIT]

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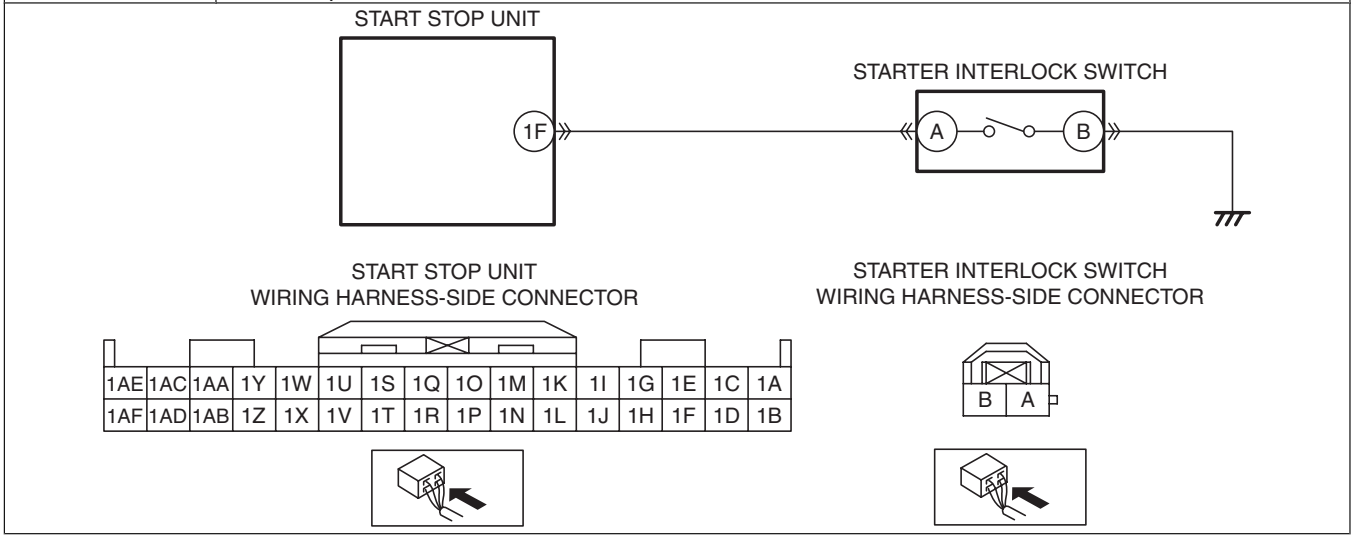
System malfunction location	**Starter interlock switch circuit malfunction**
Detection condition	• The start stop unit detects an open circuit in the starter interlock switch circuit for **1 s or more** for a continuous **5 times** with the ignition switched ON (engine off or on).
Fail-safe	• Change to the back-up mode.
Possible cause	• Starter interlock switch connector or terminal malfunction • Open circuit in wiring harness between starter interlock switch terminal B and body ground • Starter interlock switch malfunction • Start stop unit connector or terminal malfunction • Open circuit in wiring harness between start stop unit terminal 1F and starter interlock switch terminal A • Start stop unit malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**STARTER INTERLOCK SWITCH CONNECTOR INSPECTION** • 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 starter interlock switch 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.
2	**INSPECT STARTER INTERLOCK SWITCH GROUND CIRCUIT FOR OPEN CIRCUIT** • Verify that the start stop unit and starter interlock switch connectors are disconnected. • Inspect for continuity between starter interlock switch terminal B (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 6.

Step	Inspection		Action
3	**INSPECT STARTER INTERLOCK SWITCH** • Inspect the starter interlock switch. (See STARTER INTERLOCK SWITCH INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (See STARTER INTERLOCK SWITCH INSPECTION [SKYACTIV-D 2.2].) • Is the starter interlock switch normal?	Yes	Go to the next step.
		No	Replace the starter interlock switch, then go to Step 6. (See STARTER INTERLOCK SWITCH REMOVAL/INSTALLATION [C66M-R, C66MX-R].) (See STARTER INTERLOCK SWITCH REMOVAL/INSTALLATION [D66M-R, D66MX-R].)
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 6.
5	**INSPECT STARTER INTERLOCK SWITCH CIRCUIT FOR OPEN CIRCUIT** • Verify that the start stop unit and starter interlock switch connectors are disconnected. • Inspect the wiring harness for continuity between start stop unit terminal 1F (vehicle wiring harness side) and starter interlock switch terminal A (vehicle wiring harness side). • 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.
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 DTC for the start stop unit using the M-MDS. (See CLEARING DTC [START STOP UNIT].) • Switch the ignition ON (engine off or on). • Perform the work of depressing the clutch pedal for **1 s or more** and releasing it for **1 s or more** for **5 or more times**. • Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) • Is DTC P1708:24 displayed?	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.
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 [START STOP UNIT].)
		No	DTC troubleshooting completed.