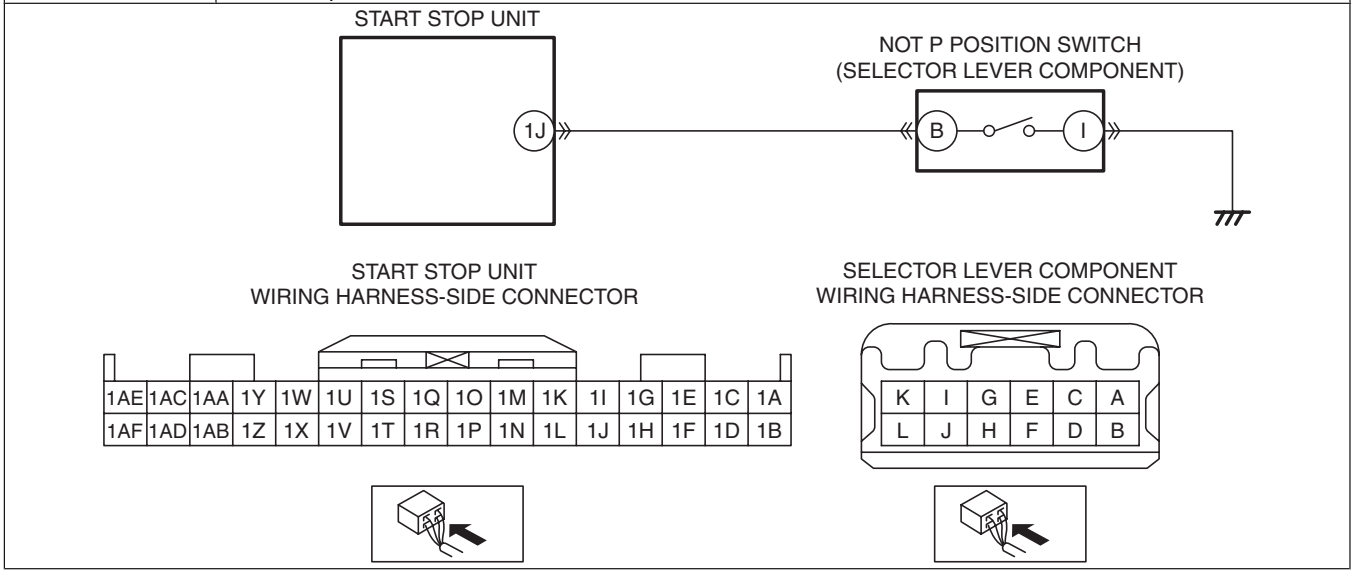
DTC P081C:24 [START STOP UNIT]

id0902p6022800

System malfunction location	**NOT P position switch circuit malfunction**
Detection condition	• The start stop unit detects NOT P position switch is stuck off for **5 s or more** for a continuous **5 times** with the ignition switched ON (engine off or on).
Fail-safe	• Perform the NOT P position switch control in a position other than P.
Possible cause	• Selector lever component connector or terminal malfunction • Open circuit in wiring harness between selector lever component terminal I and body ground • NOT P position switch malfunction • Start stop unit connector or terminal malfunction • Open circuit in wiring harness between start stop unit terminal 1J and selector lever component terminal B • Start stop unit malfunction



Diagnostic Procedure

Step	Inspection		Action
1	**INSPECT SELECTOR LEVER COMPONENT CONNECTOR CONDITION** • 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 selector lever component 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.

Step	Inspection		Action
2	**INSPECT NOT P POSITION SWITCH GROUND CIRCUIT FOR OPEN CIRCUIT** • Verify that the selector lever component connector is disconnected. • Inspect for continuity between selector lever component terminal I (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.
3	**INSPECT NOT P POSITION SWITCH** • Inspect the NOT P position switch. (See NOT P POSITION SWITCH INSPECTION.) • Is the NOT P position switch normal?	Yes	Go to the next step.
		No	Replace the selector lever component, then go to Step 6. (See AUTOMATIC TRANSAXLE SHIFT MECHANISM 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 6.
5	**INSPECT NOT P POSITION SWITCH CIRCUIT FOR OPEN CIRCUIT** • Verify that the start stop unit and selector lever component connectors are disconnected. • Inspect the wiring harness for continuity between start stop unit terminal 1J (vehicle wiring harness side) and selector lever component terminal B (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). • Perform the following work **5 or more times**. — Operate the selector lever to positions from other than P and hold for **5 s or more**. — Operate the selector lever to position P and hold for **5 s or more**. — Operate the selector lever to positions from other than P. • Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) • Is DTC P081C: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.

Step	Inspection		Action
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.