

Diagnostic Procedure

Step	Inspection		Action
1	INSPECT PUSH BUTTON START	Yes	Go to the next step.
	CONNECTOR CONDITION	No	Repair or replace the connector, then go to Step 6.
	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 push button start connector.		
	Inspect the connector engagement and		
	connection condition and inspect the terminals		
	for damage, deformation, corrosion, or		
	disconnection.		
	Is the connector normal?		

2 INSPECT PUSH BUTTON START SWITCH 1 CIRCUIT FOR OPEN CIRCUIT • Verify that the push button start connector is disconnected. • Inspect for continuity between push button start terminal G (vehicle wiring harness side) and body ground. • Is there continuity? 3 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? 4 INSPECT PUSH BUTTON START SWITCH 1 CIRCUIT FOR OPEN CIRCUIT • Verify that the push button start and start stop unit connectors are disconnected. • Inspect the wiring harness for continuity between start stop unit terminal C (vehicle wiring harness side) and push button start terminal C (vehicle wiring harness side). • Is there continuity? 5 INSPECT PUSH BUTTON START SWITCH 1 • (See PUSH BUTTON START INSPECTION.) • Is push button start switch 1 normal? 6 VERIFY THAT REPAIRS HAVE BEEN COMPLETED • Reconnect all the disconnected connectors. • Reconnect all the disconnected greative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION) (SKYACTIV-Q 2.0, SKYACTIV-Q 2.5) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION) (SKYACTIV-Q 2.0, SKYACTIV-Q 2.5) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION) (SKYACTIV-Q 2.0, SKYACTIV-Q 2.5) (VITHOUT I stop)]) (See NEGATIVE BATTERY CABLE DISCONNECTION) (SKYACTIV-Q 2.0, SKYACTIV-Q 2.5) (VITHOUT I stop)]) • Switch the ignition ON (engine off or on) and press the push button start 5 times or more. • Perform the DTC inspection for the start stop unit using the M-MDS. (See CIEARING DTC (START STOP UNIT)) • Is disconnected of some or one or one or one or one or one or one or	Step	Inspection		Action
CIRCUIT FOR OPEN CIRCUIT Verify that the push button start connector is disconnected. Inspect for continuity between push button start terminal G (vehicle wiring harness side) and body ground. Is there continuity? 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? INSPECT PUSH BUTTON START SWITCH 1 CIRCUIT FOR OPEN CIRCUIT Verify that the push button start and start stop unit connectors are disconnected. Inspect the wiring harness side on onlinely between start stop unit terminal 1 H (vehicle wiring harness side) and push button start terminal C (vehicle wiring harness side). Inspect push button start switch 1. (See PUSH BUTTON START SWITCH 1 Inspect push button start switch 1. (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 normal? Versify THAT REPAIRS HAVE BEEN COMPLETED Reconnect all the disconnected connectors. Reconnect all 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), (SEE NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION (SKYACTIV-G 2.0, SKYACTIV-G 2.5), (SEE CLEARING DIC (START STOP UNIT), Switch the ignition ON (engine off or on) and press the push button start 5 times or more. Perform the DTC inspection for the start stop unit using the M-MDS. (See CLEARING DTC (START STOP UNIT), Switch the ignition ON (engine off or on) and press the push button start 5 times or more. Perform the DTC inspection for the start stop unit using the M-MDS. (See CLEARING DTC (START STOP UNIT), Switch the ignition ON (engine off or on) and press the push button start 5 times or more. Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION) START STOP UNIT), Signition of the start stop unit using the M-MDS.			Yes	
terminal G (vehicle wiring harness side) and body ground. * Is there continuity? **No INSPECT START STOP UNIT CONNECTOR CONDITION** CONDITION** **Disconnect the start stop unit connector.* **Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection.* **Inspect P UNIT B UITTON START SWITCH 1 CIRCUIT FOR OPEN CIRCUIT** **Verify that the push button start stor unit connectors are disconnected.* **Inspect push button start and start stop unit connectors are disconnected.* **Inspect push button start switch 1 (See PUSH BUITTON START INSPECTION.) Is push button start switch 1 normal? **O VERIFY THAT REPAIRS HAVE BEEN COMPLETED** **COMPLETED** **CROMPLETED** **CROMPLETED** **OR to the next step.* **No Repair or replace the connector, then go to St of the next step.* **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness which had circuit, then go to Step 6. **No Repair or replace the wiring harness the circuit, then go to Step 6. **No Repair or replace the wiring harness witch had circuit, then go to Step 6. **No Repair or replace the wiring harness witch had circuit, then go to Step 6. **No Repair or replace the wiring harness wiring harness which had circuit, then go		CIRCUIT FOR OPEN CIRCUIT Verify that the push button start connector is disconnected.		Repair or replace the wiring harness which has an open
Simpect start stop unit connector. Yes Go to the next step. No No 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? No Simpect the unit connector are disconnected. Inspect push button start and start stop unit connectors are disconnected. Inspect the wiring harness for continuity between start stop unit terminal? It (vehicle wiring harness side) and push button start atterminal (C (vehicle wiring harness side). Is there continuity Inspect push button start switch 1. (See PUSH BUTTON START SWITCH 1 Inspect push button start switch 1. (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 No (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 No (See PUSH BUTTON START INSPECTION.) Replace the push button start, then go to the (See PUSH BUTTON START SWITCH 1 No (See PUSH BUTTON START SWITCH 1 No (See PUSH BUTTON START SWITCH 1 Inspect push button start switch 1 No (See PUSH BUTTON START SWITCH 1		terminal G (vehicle wiring harness side) and body ground.		
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? INSPECT PUSH BUTTON START SWITCH 1 CIRCUIT FOR OPEN CIRCUIT Verify that the push button start and start stop unit connectors are disconnected. Inspect the wiring harness for continuity between start stop unit terminal 1H (vehicle wiring harness side) and push button start terminal C (vehicle wiring harness side). Is there continuity? INSPECT PUSH BUTTON START SWITCH 1 Inspect upsh button start switch 1. (See PUSH BUTTON START SWITCH 1 Inspect push button start switch 1. (See PUSH BUTTON START SWITCH 1 Inspect push button start switch 1. (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 normal? Replace the push button start, then go to Step 6. No Replace the push button start, then go to the inspect the push button start, then go to the inspect on the push button start, then go to the inspect on the start step. No Replace the push button start, then go to the inspect the push button start, then go to the inspect on the start step. No Replace the push button start, then go to the inspect on the start step. No Replace the push button start, then go to the institution start, then	3		Yes	Go to the next sten
CIRCUIT FOR OPEN CIRCUIT Verify that the push button start and start stop unit connectors are disconnected. Inspect the wiring harness for continuity between start stop unit terminal 1H (vehicle wiring harness side) and push button start terminal C (vehicle wiring harness side). Inspect push button start switch 1. (See PUSH BUTTON START SWITCH 1 Inspect push button start switch 1. (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 normal? VERIFY THAT REPAIRS HAVE BEEN COMPLETED Reconnect tall the disconnected connectors. Reconnect 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].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].) Clear DTC for the start stop unit using the MMDS. (See CLEARING DTC [START STOP UNIT].) Switch the ignition ON (engine off or on) and press the push button start 5 times or more. Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) Is DTC B108B:24 displayed? VERIFY IF OTHER DTCs DISPLAYED Repair or replace the wiring harness which ha circuit, then go to Step 6. Recircuit, then go to Step 6. Repair or replace the wiring harness which ha circuit, then go to Step 6. Recircuit, then go to Step 6. Repair or replace the wiring harness the circuit, then go to Step 6. Replace The wirit, then go to Step 6. Replace the push button start, then go to the lexit step. No Replace the push button start, then go to the lexit step. See Ot the next step. See to the next step. See TART STOP UNIT REMOVAL/INSTA No Co to the next step. See To the maximum, then go to the lexit step. See To the mext step. See to the next step. See To the mext step. See to the next step. See to the ne	, o	CONDITION Disconnect the start stop unit connector. Inspect the connector engagement and connection condition and inspect the terminals for damage, deformation, corrosion, or disconnection.		Repair or replace the connector, then go to Step 6.
CIRCUIT FOR OPEN CIRCUIT Verify that the push button start and start stop unit connectors are disconnected. Inspect the wiring harness for continuity between start stop unit terminal 1H (vehicle wiring harness side) and push button start terminal C (vehicle wiring harness side). Is there continuity? INSPECT PUSH BUTTON START SWITCH 1 Inspect push button start switch 1. (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 normal? VERIFY THAT REPAIRS HAVE BEEN COMPLETED Reconnect all the disconnected connectors. Reconnect the disconnected connectors. Reconnect the disconnected negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-Q 2.0, SKYACTIV-Q 2.5].) (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) and press the push button start 5 times or more. Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) Is DTC B108B:24 displayed? VERIFY IF OTHER DTCs DISPLAYED Repair or replace the wiring harness which ha circuit, then go to Step 6. Recounted the wiring harness or ontinuity. Repair or replace the wiring harness which ha circuit, then go to Step 6. Reconect wirit, then go to Step 6. Repair or replace the wirit, then go to Step 6. Reconect wirit, then go to Step 6. Replace the usab button start, then go to the lext step. No Replace the push button start, then go to the lext step. No Replace the push button start, then go to the lext step. See To the next step. Repair the inspection from Step. (See START STOP UNIT REMOVAL/INSTA Step.) See START STOP UNIT REMOVAL/INSTA Step. No Cot the next step. Replace the push button start, then go to the lext step. No Cot the next step. See To the next step. See To the maximum the wire push button start, then go to the next step. No Cot the next step. See to the next step. See To the maximum the wire pus	4		Yes	Go to the next step.
Inspect push button start switch 1. (See PUSH BUTTON START INSPECTION.) Is push button start switch 1 normal? 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-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) and press the push button start, then go to the lex (See PUSH BUTTON START REMOVAL/INSTALLATION.) No Replace the push button start, then go to the (See PUSH BUTTON START REMOVAL/INSTALLATION.) Replace the push button start, then go to the (See PUSH BUTTON START REMOVAL/INSTALLATION.) INSTALLATION.) Replace the push button start, then go to the (See PUSH BUTTON START REMOVAL/INSTALLATION.) Repeat the inspection from Step 1. If the malfunction recurs, replace the start step go to the next step. (See START STOP UNIT REMOVAL/INSTALLATION.) So to the next step. Go to the next step. Go to the next step. So to the next step. Go to the next step. So to the next step. Installation.)		 CIRCUIT FOR OPEN CIRCUIT Verify that the push button start and start stop unit connectors are disconnected. Inspect the wiring harness for continuity between start stop unit terminal 1H (vehicle wiring harness side) and push button start terminal C (vehicle wiring harness side). 		Repair or replace the wiring harness which has an open
(See PUSH BUTTON START INSPECTION.) Is push button start switch 1 normal? 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-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) and press the push button start 5 times or more. **Perform the DTC inspection for the start stop unit using the M-MDS. (See PDC INSPECTION [START STOP UNIT].) Is DTC B108B:24 displayed? Yes Repair the malfunction from Step 1. SRepeat the inspection from Step 1. If the malfunction recurs, replace the start stop on the next step. Sep START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) So to the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) To the malfunction recurs, replace the start stop on the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) So to the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) So to the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) So to the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) So to the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.) So to the next step. See START STOP UNIT REMOVAL/INSTART STOP UNIT INSTALLATION.	5	INSPECT PUSH BUTTON START SWITCH 1	Yes	Go to the next step.
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 MMDS. (See CLEARING DTC [START STOP UNIT].) Switch the ignition ON (engine off or on) and press the push button start 5 times or more. Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) Is DTC B108B:24 displayed? Yes Repair the malfunction recurs, replace the start sto go to the next step. (See START STOP UNIT REMOVAL/INSTA Go to the next step.)		(See PUSH BUTTON START INSPECTION.) • Is push button start switch 1 normal?		Replace the push button start, then go to the next step. (See PUSH BUTTON START REMOVAL/INSTALLATION.)
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) and press the push button start 5 times or more. • Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) • Is DTC B108B:24 displayed? 7 VERIFY IF OTHER DTCS DISPLAYED No Go to the next step. No Ro to the next step.	6	• Reconnect all the disconnected connectors.	Yes	• If the malfunction recurs, replace the start stop unit, then go to the next step.
		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) and press the push button start 5 times or more. • Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].) • Is DTC B108B:24 displayed?		Go to the next step.
(See DTC TABLE [START STOP UNIT].) No DTC troubleshooting completed.	7	• Are any other DTCs displayed?		