System malfunction location	Open circuit in steering switch						
Detection	• The start stop unit detects an open circuit in the steering switch circuit for <b>5</b> s or more with the ignition						
condition	switched ON (engine off or on).						
Fail-safe	_						
Possible cause	Clock spring connector or terminal malfunction  Clock spring malfunction  Start stop unit connector or terminal malfunction  Open circuit in wiring harness between the following terminals:  Start stop unit terminal 1AA and clock spring (start stop unit side) terminal K  Start stop unit terminal 1AB and clock spring (start stop unit side) terminal C  Steering switch malfunction						
	Start stop unit malfunction						
	START STOP UNIT CLOCK SPRING	STEERING SWITCH					
	(1AA) **	UP DOWN INFO					
	CLOCK SPRING WIRING HARNESS-SIDE CONNECTOR						
1AE 1AC 1AA 1AF 1AD 1AB	1Y 1W 1U 1S 1Q 10 1M 1K 1I 1G 1E 1C 1A 1Z 1X 1V 1T 1R 1P 1N 1L 1J 1H 1F 1D 1B	M K I G E C A N L J H F D B					

Diagnostic Procedure

Step	Inspection		Action	
1	INSPECT CLOCK SPRING CONNECTOR	Yes	Go to the next step.	
	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 clock spring connector.			
	Inspect the connector engagement and			
	connection condition and inspect the terminals			
	for damage, deformation, corrosion, or			
	disconnection.			
	Is the connector normal?			

Step	Inspection		Action
2	INSPECT CLOCK SPRING	Yes	Go to the next step.
	Inspect the clock spring.     (See CLOCK SPRING INSPECTION.)     Is the clock spring normal?	No	Replace the clock spring, then go to Step 6. (See CLOCK SPRING REMOVAL/INSTALLATION.)
3	INSPECT START STOP UNIT CONNECTOR	Yes	Go to the next step.
	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	Repair or replace the connector, then go to Step 6.
4	INSPECT STEERING SWITCH CIRCUIT FOR	Yes	Go to the next step.
	OPEN CIRCUIT  Verify that the clock spring and start stop unit connectors are disconnected.  Inspect the wiring harness between the following terminals (vehicle wiring harness side) for continuity.  Start stop unit terminal 1AA and clock spring (start stop unit side) terminal K  Start stop unit terminal 1AB and clock spring (start stop unit side) terminal C  Is there continuity?	No	Repair or replace the wiring harness which has an open circuit, then go to Step 6.
5	INSPECT STEERING SWITCH	Yes	Go to the next step.
	Inspect the steering switch.     (See STEERING SWITCH INSPECTION.)     Is the steering switch normal?	No	Replace the steering switch, then go to the next step. (See STEERING SWITCH REMOVAL/INSTALLATION.)
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) and wait for 5 s or more.  Perform the DTC inspection for the start stop unit using the M-MDS. (See DTC INSPECTION [START STOP UNIT].)	No	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.)  Go to the next step.
7	• 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.