	ισουσμουστάσιο					
System malfunction location	nction ACC relay circuit malfunction					
Detection	• With the ignition switched to ACC or ON (engine off or on), the start stop unit detects ACC monitor vo					
condition						
Fail-safe	-					
Possible cause	 ACC relay malfunction ACC relay power supply circuit malfunction Short to ground in wiring harness between IG2 30 A fuse and ACC relay terminal C IG2 30 A fuse malfunction Open circuit in wiring harness between battery positive terminal and ACC relay terminal C Start stop unit connector or terminal malfunction Start stop unit power supply circuit (ACC) malfunction Short to ground in wiring harness between ACC relay terminal D and start stop unit terminal 1E MIRROR 7.5 A fuse malfunction Open circuit in wiring harness between ACC relay terminal D and start stop unit terminal 1E Start stop unit malfunction 					
BATTERY	RELAY AND FUSE BLOCK START STOP UNIT					
	FUSE BLOCK MIRROR 7.5 A ACC RELAY MIRROR 7.5 A (1E) (2C)					
	ACC RELAY START STOP UNIT (RELAY AND FUSE BLOCK) WIRING HARNESS-SIDE CONNECTOR					
	D 1AE 1AC 1AA 1Y 1W 1U 1S 1Q 1O 1M 1K 1I 1G 1E 1C 1A 1AF 1AD 1AB 1Z 1X 1V 1T 1R 1P 1N 1L 1J 1H 1F 1D 1B					
	2W 2U 2S 2Q 2O 2M 2K 2I 2G 2E 2C 2A 2X 2V 2T 2R 2P 2N 2L 2J 2H 2F 2D 2B					

Diagnostic Procedure

Step	Inspection		Action
1	INSPECT ACC RELAY FOR MALFUNCTION	Yes	Go to the next step.
	Switch the ignition to off.	No	Replace the ACC relay, then go to Step 5.
	Disconnect the negative battery cable.		(See RELAY LOCATION.)
	(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].)		
	Remove the ACC relay.		
	(See RELAY LOCATION.)		
	Inspect the ACC relay.		
	(See RELAY INSPECTION.)		
	Is the ACC relay normal?		

Step	Inspection		Action
2	INSPECT ACC RELAY POWER SUPPLY	Yes	Go to the next step.
	CIRCUIT FOR OPEN CIRCUIT OR SHORT TO	No	Inspect the IG2 30 A fuse.
	GROUND		If a fuse is burnt out:
	Verify that the ACC relay is removed.		Repair or replace the wiring harness which is shorted
	• Connect the negative battery cable.		to ground.
	(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION		Replace the fuse. If a five is demagned:
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		If a fuse is damaged: Replace the fuse.
	(See NEGATIVE BATTERY CABLE		Replace the fuse. If the fuse is normal:
	DISCONNECTION/CONNECTION		Repair or replace the wiring harness which has an
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5		open circuit.
	(WITHOUT i-stop)].)		Go to Step 5.
	(See NEGATIVE BATTERY CABLE		
	DISCONNECTION/CONNECTION		
	[SKYACTIV-D 2.2].)		
	Switch the ignition to ACC or ON (engine off or		
	on).		
	Measure the voltage at ACC relay terminal C		
	(vehicle wiring harness side).		
	• Is the voltage B+?	V	
3	INSPECT START STOP UNIT CONNECTOR CONDITION	Yes No	Go to the next step. Repair or replace the connector, then go to Step 5.
	Disconnect the negative battery cable.	INO	Repair of replace the connector, then go to Step 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		
	(WITHOUT i-stop)].)		
	(See NEGATIVE BATTERY CABLE		
	DISCONNECTION/CONNECTION		
	[SKYACTIV-D 2.2].)		
	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 START STOP UNIT POWER	Yes	Go to the next step.
	SUPPLY CIRCUIT (ACC) FOR OPEN CIRCUIT	No	Inspect the MIRROR 7.5 A fuse.
	OR SHORT TO GROUND		If a fuse is burnt out:
	Verify that the start stop unit connector is		Repair or replace the wiring harness which is shorted
	disconnected.		to ground.
	• Connect the negative battery cable.		Replace the fuse. If a five is demonstrative.
	(See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION		If a fuse is damaged: Replace the fuse.
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		If the fuse is normal:
	(See NEGATIVE BATTERY CABLE		Repair or replace the wiring harness which has an
	DISCONNECTION/CONNECTION		open circuit.
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5		Go to the next step.
	(WITHOUT i-stop)].)		·
	(See NEGATIVE BATTERY CABLE		
	DISCONNECTION/CONNECTION		
	[SKYACTIV-D 2.2].)		
	• Switch the ignition to ACC or ON (engine off or		
	on).		
	Measure the voltage at ACC relay terminal E (vehicle wiring harness side).		
	• Is the voltage B+ ?		
	is the voltage Di:		

04					
Step	Inspection		Action		
5	VERIFY THAT REPAIRS HAVE BEEN	Yes	Repeat the inspection from Step 1.		
	COMPLETED		• If the malfunction recurs, replace the start stop unit, then		
	Reconnect all the disconnected connectors.		go to the next step.		
	Reconnect the disconnected negative battery		(See START STOP UNIT REMOVAL/INSTALLATION.)		
	cable.	No	Go to the next step.		
	(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 to ACC or ON (engine off or				
	on) and wait for 1 s or more .				
	Perform the DTC inspection for the start stop				
	unit using the M-MDS.				
	(See DTC INSPECTION [START STOP				
	UNIT].)				
	• Is the DTC U3004:16 displayed?				
6	VERIFY IF OTHER DTCs DISPLAYED	Yes	Repair the malfunctioning part according to the applicable		
	• Are any other DTCs displayed?	103	DTC troubleshooting.		
	7 to diffy differ by 03 displayed:		(See DTC TABLE [START STOP UNIT].)		
		No	DTC troubleshooting completed.		
		INO	DTO troubleshooting completed.		