System malfunction location	Communication error with rear body control module (RBCM)		
Detection condition	Start stop unit detects communication error with rear body control module (RBCM) 10 times continuously.		
Fail-safe	_		
Possible cause	<ul> <li>Rear body control module (RBCM) connector or terminal malfunction</li> <li>Start stop unit connector or terminal malfunction</li> <li>Short to ground in wiring harness between start stop unit terminal 1Q and rear body control module (RBCM) terminal 3B</li> <li>Open circuit in wiring harness between start stop unit terminal 1Q and rear body control module (RBCM) terminal 3B</li> <li>Rear body control module (RBCM) malfunction</li> <li>Start stop unit malfunction</li> </ul>		
	START STOP UNIT RBCM (1Q)* (3B)		
START STOP UNIT RBCM WIRING HARNESS-SIDE CONNECTOR WIRING HARNESS-SIDE CONNECTOR			
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 3X 3V 3T 3R 3P 3N 3L 3J 3H 3F 3D 3B			

**Diagnostic Procedure** 

Step	Inspection		Action
1	INSPECT REAR BODY CONTROL MODULE	Yes	Go to the next step.
	(RBCM) 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 rear body control module		
	(RBCM) 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 START STOP UNIT CONNECTOR	Yes	Go to the next step.
	CONDITION	No	Repair or replace the connector, then go to Step 6.
	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?		
3	INSPECT REAR BODY CONTROL MODULE	Yes	Repair or replace the wiring harness which is shorted to
	(RBCM) CIRCUIT FOR SHORT TO GROUND	. 00	ground, then go to Step 6.
	Verify that the rear body control module (RBCM)	No	Go to the next step.
	connector and start stop unit connector are		·
	disconnected.		
	Inspect for continuity between rear body control		
	module (RBCM) terminal 3B (vehicle wiring		
	harness side) and body ground.		
4	• Is there continuity? INSPECT REAR BODY CONTROL MODULE	Yes	Co to the poyt step
4	(RBCM) CIRCUIT FOR OPEN CIRCUIT	No	Go to the next step.  Repair or replace the wiring harness which has an open
	Verify that the rear body control module (RBCM)	INU	circuit, then go to Step 6.
	connector and start stop unit connector are		555, then go to stop o.
	disconnected.		
	Inspect the wiring harness for an open circuit		
	between start stop unit terminal 1Q (vehicle		
	wiring harness side) and rear body control		
	module (RBCM) terminal 3B (vehicle wiring		
	harness side).		
5	• Is there continuity? INSPECT REAR BODY CONTROL MODULE	Yes	Go to the next step.
	(RBCM)	No	Replace the rear body control module (RBCM), then go to
	• Inspect the rear body control module (RBCM).	110	the next step.
	(See REAR BODY CONTROL MODULE		(See REAR BODY CONTROL MODULE (RBCM)
	(RBCM) INSPECTION.)		REMOVAL/INSTALLATION.)
	Is the rear body control module (RBCM)		
	normal?	\/	Daniel the imposition from Oton 4
6	VERIFY THAT REPAIRS HAVE BEEN COMPLETED	Yes	Repeat the inspection from Step 1.  • 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].)		
	Perform the DTC inspection for the start stop unit using the M-MDS.		
	(See DTC INSPECTION [START STOP		
	UNIT].)		
	• Is DTC U0028:87 displayed?		
7	VERIFY IF OTHER DTCs DISPLAYED	Yes	Repair the malfunctioning part according to the applicable
	Are any other DTCs displayed?		DTC troubleshooting.
			(See DTC TABLE [START STOP UNIT].)
		No	DTC troubleshooting completed.