System malfunction location	Front door latch switch (passenger's side) circuit malfunction				
Detection	• With the front door (passenger's side) closed (front door latch switch (passenger's side) off, the rear body				
condition	control module (RBCM) detects a short to ground in the front door latch switch (passenger's side) circuit.				
Fail-safe	Front door latch and lock actuator (passenger's side) connector or terminal malfunction				
Possible cause	 Front door latch switch (passenger's side) malfunction Rear body control module (RBCM) connector or terminal malfunction Short to ground in wiring harness between the following terminals: — L.H.D.: 				
	L.H.D.				
	RBCM FRONT DOOR LATCH SWITCH (RH) (FRONT DOOR LATCH AND LOCK ACTUATOR (RH)) DOOR OPEN ON B TITLE TITLE				
	R.H.D.				
	RBCM FRONT DOOR LATCH SWITCH (LH) (FRONT DOOR LATCH AND LOCK ACTUATOR (LH)) DOOR OPEN ON L J				
RBCM FRONT DOOR LATCH AND LOCK ACTUATOR (LH)/(RH) WIRING HARNESS-SIDE CONNECTOR WIRING HARNESS-SIDE CONNECTOR					
3W 3U 3X 3V	3S 3Q 3O 3M 3K 3I 3G 3E 3C 3A 3T 3R 3P 3N 3L 3J 3H 3F 3D 3B				

Diagnostic Procedure

	Diagnostic Procedure					
Step	Inspection		Action			
1	VERIFY REAR BODY CONTROL MODULE	Yes	Go to the next step.			
	(RBCM) DTCs AGAIN	No	Go to Step 7.			
	Clear rear body control module (RBCM) DTCs					
	using the M-MDS.					
	(See CLEARING DTC [REAR BODY					
	CONTROL MODULE (RBCM)].)					
	 Perform the DTC inspection for the rear body 					
	control module (RBCM) using the M-MDS.					
	(See DTC INSPECTION [REAR BODY					
	CONTROL MODULE (RBCM)].)					
	Is DTC B1176:11 displayed?					
2	INSPECT FRONT DOOR LATCH AND LOCK	Yes	Go to the next step.			
	ACTUATOR (PASSENGER'S DOOR)	No	Repair or replace the connector, then go to Step 6.			
	CONNECTOR					
	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 front door latch and lock					
	actuator (passenger's side) connector.					
	Inspect the connector engagement and					
	connection condition and inspect the terminals					
	for damage, deformation, corrosion, or					
	disconnection.					
	Is the connector normal?					
3	INSPECT FRONT DOOR LATCH SWITCH	Yes	Go to the next step.			
	(PASSENGER'S DOOR)	No	Replace the front door latch and lock actuator (passenger's			
	• Inspect the front door latch switch (passenger's		side), then go to Step 6.			
	door).		(See FRONT DOOR LATCH AND LOCK ACTUATOR			
	(See FRONT DOOR LATCH SWITCH		REMOVAL/INSTALLATION.)			
	INSPECTION.)					
	• Is the front door latch switch (passenger's door)					
	normal?					
4	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.			
	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
5	INSPECT FRONT DOOR LATCH SWITCH	Yes	Repair or replace the wiring harness which has a short to
	(PASSENGER'S SIDE) CIRCUIT FOR SHORT		ground, then go to the next step.
	TO GROUND	No	Go to the next step.
	Verify that the rear body control module (RBCM)		·
	connector and front door latch and lock actuator		
	(passenger's side) connector are disconnected.		
	Inspect for continuity between the following		
	terminals (vehicle wiring harness side) and		
	body ground.		
	— L.H.D.:		
	 Front door latch and lock actuator (RH) 		
	terminal B		
	— R.H.D.:		
	Front door latch and lock actuator (LH)		
	terminal L		
	• Is there continuity?		
6	VERIFY THAT REPAIRS HAVE BEEN	Yes	Repeat the inspection from Step 1.
	COMPLETED		• If the malfunction recurs, replace the rear body control
	Reconnect all the disconnected connectors. Reconnect the disconnected negative battery		module (RBCM), then go to the next step. (See REAR BODY CONTROL MODULE (RBCM)
	cable.		REMOVAL/INSTALLATION.)
	(See NEGATIVE BATTERY CABLE	No	Go to the next step.
	DISCONNECTION/CONNECTION	140	Go to the next step.
	[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 rear body control module (RBCM) DTCs		
	using the M-MDS.		
	(See CLEARING DTC [REAR BODY		
	CONTROL MODULE (RBCM)].)		
	Perform the DTC inspection for the rear body		
	control module (RBCM) using the M-MDS.		
	(See DTC INSPECTION [REAR BODY CONTROL MODULE (RBCM)].)		
	• Is DTC B1176:11 displayed?		
7	VERIFY IF OTHER DTCs DISPLAYED	Yes	Repair the malfunctioning part according to the applicable
'	Are any other DTCs displayed?	100	DTC troubleshooting.
	1 1		(See DTC TABLE [REAR BODY CONTROL MODULE
			(RBCM)].)
		No	DTC troubleshooting completed.