System malfunction location	Front door key cylinder switch (driver's side) circuit malfunction				
Detection	With the front door key cylinder switch (driver's side) off, the rear body control module (RBCM) detects				
condition	front door key cylinder switch (driver's side) voltage of 4 V or less.				
Fail-safe	_				
Possible cause	 Front door latch and lock actuator (driver's side) connector or terminal malfunction Front door key cylinder switch (driver'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.: Rear body control module (RBCM) terminal 3H and front door latch and lock actuator (LH) terminal H R.H.D.: Rear body control module (RBCM) terminal 3H and front door latch and lock actuator (RH) terminal F Rear body control module (RBCM) malfunction 				
	L.H.D.				
	FRONT DOOR KEY CYLINDER SWITCH (LH) (FRONT DOOR LATCH AND LOCK ACTUATOR (LH)) UNLOCK H LOCK				
	R.H.D.				
	RBCM (FRONT DOOR KEY CYLINDER SWITCH (RH) (FRONT DOOR LATCH AND LOCK ACTUATOR (RH)) UNLOCK F LOCK				
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 B11DA:16 displayed?					
2	INSPECT FRONT DOOR LATCH AND LOCK	Yes	Go to the next step.			
	ACTUATOR (DRIVER'S DOOR) CONNECTOR	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 front door latch and lock					
	actuator (driver'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 KEY CYLINDER	Yes	Go to the next step.			
	SWITCH (DRIVER'S DOOR)	No	Replace the front door latch and lock actuator (driver's			
	Inspect the front door key cylinder switch		side), then go to Step 6.			
	(driver's door).		(See FRONT DOOR LATCH AND LOCK ACTUATOR			
	(See FRONT DOOR KEY CYLINDER SWITCH		REMOVAL/INSTALLATION.)			
	INSPECTION.)		,			
	Is the front door key cylinder switch (driver's)					
	side) 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 KEY CYLINDER	Yes	Repair or replace the wiring harness which has a short to
	SWITCH (DRIVER'S SIDE) CIRCUIT FOR		ground, then go to the next step.
	SHORT TO GROUND	No	Go to the next step.
	Verify that the rear body control module (RBCM)		
	connector and front door latch and lock actuator		
	(driver'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 (LH) 		
	terminal H		
	— R.H.D.:		
	Front door latch and lock actuator (RH)		
	terminal F		
	• Is there continuity?	\/ · ·	Description for the first of
6	VERIFY THAT REPAIRS HAVE BEEN COMPLETED	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the rear body control
	Reconnect all the disconnected connectors.		module (RBCM), then go to the next step.
	Reconnect the disconnected negative battery		(See REAR BODY CONTROL MODULE (RBCM)
	cable.		REMOVAL/INSTALLATION.)
	(See NEGATIVE BATTERY CABLE	No	Go to the next step.
	DISCONNECTION/CONNECTION	110	Co 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 B11DA:16 displayed?		
7	VERIFY IF OTHER DTCs DISPLAYED	Yes	Repair the malfunctioning part according to the applicable
•	Are any other DTCs displayed?	. 50	DTC troubleshooting.
	,		(See DTC TABLE [REAR BODY CONTROL MODULE
			(RBCM)].)
		No	DTC troubleshooting completed.