0	T	<u> </u>			
System malfunction	Keyless antenna (exterior, LF) circuit malfunction	n			
location	(oxtorior, in our manufaction				
Detection	• The start stop unit detects an open circuit in the keyless antenna (exterior, LF) or a short to ground with				
condition	the ignition switched off.				
Fail-safe	Inhibits the door lock/unlock using the advanced keeps.				
	Front outer handle (LH) connector or terminal malfunction				
	LF control unit connector or terminal malfunction				
Short to ground in wiring harness between the following terminals: Between LF control unit terminal S and front outer handle (LH) terminal B					
				Possible cause	Between LF control unit terminal U and front or Open circuit in wiring harpose between the following
Possible cause	Open circuit in wiring harness between the following terminals: Between LF control unit terminal S and front outer handle (LH) terminal B				
	Between LF control unit terminal U and front or				
	LF control unit malfunction				
	Keyless antenna (exterior, LF) malfunction Start stop unit malfunction				
		KEYLESS ANTENNA			
	LF CONTROL UNIT	(EXTERIOR, LF) (FRONT OUTER HANDLE (LH))			
	LF CONTROL ONT	(PRONT OUTER HANDLE (LH))			
	(s) »				
		mg			
	\ \(\mu\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
		"(<u>-</u>)			
LF CONTROL UNIT FRONT OUTER HANDLE (LH)					
	WIRING HARNESS-SIDE CONNECTOR	WIRING HARNESS-SIDE CONNECTOR			
		h 🔀 H			
AA Y	W U S Q O M K I G E C A	E B			
AB Z	X V T R P N L J H F D B	F C			

Diagnostic Procedure

Step	Step Inspection		Action
1	INSPECT FRONT OUTER HANDLE (LH)	Yes	Go to the next step.
	CONNECTOR CONDITION	No	Repair or replace the connector, then go to Step 7.
	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 outer handle (LH)		
	connector.		
	Inspect the connector engagement and		
	connection condition and inspect the terminals		
	for damage, deformation, corrosion, or		
	disconnection.		
	Is the connector normal?		

Step	Step Inspection Action				
2	INSPECT LF CONTROL UNIT CONNECTOR	Yes	Go to the next step.		
_	CONDITION	No	Repair or replace the connector, then go to Step 7.		
	Disconnect the LF control unit connector.		The state of the s		
	Inspect the connector engagement and				
	connection condition and inspect the terminals				
	for damage, deformation, corrosion, or				
	disconnection.				
	Is the connector normal?				
3	INSPECT KEYLESS ANTENNA (EXTERIOR,	Yes	Repair or replace the wiring harness which is shorted to		
	LF) CIRCUIT FOR SHORT TO GROUND		ground, then go to Step 7.		
	Verify that the LF control unit and front outer	No	Go to the next step.		
	handle (LH) connectors are disconnected.		·		
	Inspect for continuity between the following				
	terminals (vehicle wiring harness side) and				
	body ground.				
	 Front outer handle (LH) terminal B 				
	Front outer handle (LH) terminal E				
	Is there continuity?				
4	INSPECT FRONT OUTER HANDLE (LH)	Yes	Go to the next step.		
	CIRCUIT FOR OPEN CIRCUIT	No	Repair or replace the wiring harness which has an open		
	Verify that the LF control unit and front outer		circuit, then go to Step 7.		
	handle (LH) connectors are disconnected.				
	Inspect the wiring harness between the				
	following terminals (vehicle wiring harness side)				
	for continuity.				
	 Between LF control unit terminal S and front 				
	outer handle (LH) terminal B				
	Between LF control unit terminal U and				
	front outer handle (LH) terminal E				
	• Is there continuity?	.,			
5	INSPECT LF CONTROL UNIT	Yes	Go to the next step.		
	• Inspect the LF control unit.	No	Replace the LF control unit, then go to Step 7.		
	(See LF CONTROL UNIT INSPECTION.)		(See LF CONTROL UNIT REMOVAL/INSTALLATION.)		
6	• Is the LF control unit normal? PERFORM DTC INSPECTION AND VERIFY IF	Voc	Deplete the front outer handle (LLI) then go to the poyt		
0	MALFUNCTIONING PART IS KEYLESS	Yes	Replace the front outer handle (LH), then go to the next step.		
	ANTENNA (EXTERIOR, LF)		(See FRONT OUTER HANDLE REMOVAL/		
	• Reconnect all the disconnected connectors.		INSTALLATION.)		
	Reconnect the disconnected negative battery	No	Go to Step 8.		
	cable.	140	ου το στορ σ.		
	(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 DTCs for the advanced keyless entry				
	system using the M-MDS.				
	(See CLEARING DTC [ADVANCED KEYLESS				
	ENTRY SYSTEM].)				
	Perform the advanced keyless entry system				
	DTC inspection using the M-MDS.				
	(See DTC INSPECTION [ADVANCED				
	KEYLESS ENTRY SYSTEM].)				
	• Is DTC B11FD:1F displayed?				

Step	Inspection		Action
7	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 DTCs for the advanced keyless entry		
	system using the M-MDS.		
	(See CLEARING DTC [ADVANCED KEYLESS		
	ENTRY SYSTEM].)		
	Perform the advanced keyless entry system		
	DTC inspection using the M-MDS.		
	(See DTC INSPECTION [ADVANCED		
	KEYLESS ENTRY SYSTEM].)		
	Is DTC B11FD:1F displayed?		
8	VERIFY IF OTHER DTCs DISPLAYED	Yes	Repair the malfunctioning part according to the applicable
	Are any other DTCs displayed?		DTC troubleshooting.
			(See DTC TABLE [ADVANCED KEYLESS ENTRY
		Nia	SYSTEM].)
		No	DTC troubleshooting completed.