DTC P2530:00	Ignition switch stuck off				
DETECTION CONDITION	- · · · · · · · · · · · · · · · · · ·				
FAIL-SAFE FUNCTION	Not applicable				
POSSIBLE CAUSE	 Start stop unit malfunction Ignition switch signal output stuck off Wiring harness malfunction Short or open signal in ignition switch Ignition switch signal terminal (start stop unit terminal 1B) malfunction Control valve body malfunction Ignition switch signal terminal (start stop unit terminal 1B) pin deformity 				
SYSTEM WIRING DIAGRAM	Not applicable				

Diagno	Diagnostic procedure						
STEP	INSPECTION		ACTION				
1	VERIFY FREEZE FRAME DATA/SNAPSHOT	Yes	Go to the next step.				
	DATA HAS BEEN RECORDED	No	Record the freeze frame data/snapshot data on the repair				
	Has the freeze frame data/snapshot data been		order, then go to the next step.				
	recorded on the repair order?						
2	VERIFY RELATED SERVICE INFORMATION	Yes	Perform repair or diagnosis according to the available				
	AVAILABILITY		Service Information.				
	Verify related Service Information availability.		If the vehicle is not repaired, go to the next step.				
	 Is any related Service Information available? 	No	Go to the next step.				
3	VERIFY STORED DTC IN START STOP UNIT	Yes	Go to the applicable DTC inspection.				
	Perform the start stop unit DTC inspection using		(See DTC TABLE [START STOP UNIT].)				
	the M-MDS.	No	Go to the next step.				
	(See DTC INSPECTION [START STOP UNIT].)						
	Are any DTCs present?						
4	INSPECT IGNITION CIRCUIT FOR OPEN	Yes	Go to the next step.				
	CIRCUIT	No	Refer to the wiring diagram and verify whether or not there				
	Switch the ignition off.		is a common connector between IG1 relay terminal C and				
	Disconnect the negative battery cable.		start stop unit terminal 1B.				
	Verify that the following connector are		If there is a common connector:				
	disconnected.		Determine the malfunctioning part by inspecting the				
	— IG1 relay		common connector and the terminal for corrosion,				
	— Start stop unit		damage, or pin disconnection, and the common wiring				
	• Inspect for continuity between the following		harness for an open circuit.				
	terminals (wiring harness-side):		• Repair or replace the malfunctioning part.				
	IG1 relay terminal C—Start stop unit terminal 1B		If there is no common connector:				
	• Is there continuity?		Repair or replace the wiring harness which has an open circuit.				
	18 there continuity:		Go to Step 6.				
5	VERIFY ENGINE START	Yes	Replace the control valve body, then go to the next step.				
3	Reconnect all disconnected connectors.	165	(See CONTROL VALVE BODY REMOVAL/INSTALLATION				
	Reconnect the negative battery cable.		[FW6A-EL, FW6AX-EL].)				
	(See NEGATIVE BATTERY CABLE	No	Replace the start stop unit, then go to the next step.				
	DISCONNECTION/CONNECTION [SKYACTIV-	110	(See START STOP UNIT REMOVAL/INSTALLATION.)				
	G 2.0, SKYACTIV-G 2.5].)		(OCC OTALL STOP ON THE INCOME HAD TALLET HOW.)				
	(See NEGATIVE BATTERY CABLE						
	DISCONNECTION/CONNECTION [SKYACTIV-						
	G 2.0, SKYACTIV-G 2.5 (WITHOUT i-stop)].)						
	• Does the engine start normally?						
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STEP	INSPECTION		ACTION
6	VERIFY DTC TROUBLESHOOTING	Yes	Go to the applicable DTC inspection.
	COMPLETED		(See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE
	Clear the DTC using the M-MDS.		[FW6A-EL, FW6AX-EL].)
	(See ON-BOARD DIAGNOSTIC SYSTEM DTC		DTC troubleshooting completed.
INSPECTION [FW6A-EL, FW6AX-EL].)			
Perform the following procedure to ensure that the			
	DTC has been resolved:		
	Switch the ignition ON (engine off or on) and		
	wait for 10 s or more .		
	Switch the ignition off.		
	Perform the DTC inspection using the M-MDS.		
	(See ON-BOARD DIAGNOSTIC SYSTEM DTC		
	INSPECTION [FW6A-EL, FW6AX-EL].)		
	Are any DTCs present?		