DTC P2110:00	Throttle valve actuator control system-forced limited RPM			
	PCM internal malfunction. Diagnostic support note			
DETECTION	• This is a continuous monitor (CCM).			
CONDITION	• The check engine light illuminates if the PCM detects the above malfunction condition during the first drive			
	cycle. • FREEZE FRAME DATA (Mode 2)/Snapshot data is available.			
	• DTC is stored in the PCM memory.			
FAIL-SAFE	Restricts the upper limit of the engine speed.			
FUNCTION	• Stops drive-by-wire control (throttle valve is open at approx. 8 ° by return spring force)			
	Throttle body malfunction			
POSSIBLE	PCM malfunction			
CAUSE	Throttle valve actuator control module internal processor error (built-into PCM)			
	Fuel injector control driver internal processor error (built-into PCM)			
SYSTEM				
WIRING	Not applicable			
DIAGRAM				

Diagnostic Procedure

Diagno	ostic Procedure		
STEP	INSPECTION		ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2)/	Yes	Go to the next step.
	SNAPSHOT DATA HAS BEEN RECORDED	No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data
	Has the FREEZE FRAME DATA (Mode 2)/		on the repair order, then go to the next step.
	snapshot data been recorded?		
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 RELATED PENDING CODE AND/OR	Yes	Go to the applicable PENDING CODE or DTC inspection.
	DTC		(See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
	Switch the ignition off, then ON (engine off).	No	Go to the next step.
	Perform the Pending Trouble Code Access		·
	Procedure and DTC Reading Procedure.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Are any other PENDING CODEs and/or DTCs		
	present?		
4	INSPECT THROTTLE BODY AND PCM	Yes	Isolate the concern and repair if necessary, then go to Step
	Switch the ignition off.		6.
	Visually inspect the following for obvious signs of	No	Go to the next step.
	damage:		
	Throttle body		
	— PCM		
	Is a concern present?		
5	INSPECT THROTTLE BODY	Yes	Replace the throttle body, then go to the next step.
	Inspect the throttle body.		(See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION
	(See THROTTLE BODY INSPECTION		[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)	No	Go to the next step.
	Is there any malfunction?		
6	VERIFY DTC TROUBLESHOOTING	Yes	Repeat the inspection from Step 1.
	COMPLETED		If the malfunction recurs, replace the PCM.
	Always reconnect all disconnected connectors.		(See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0,
	Clear the DTC from the PCM memory using the		SKYACTIV-G 2.5].)
	M-MDS.		Go to the next step.
	(See AFTER REPAIR PROCEDURE	No	Go to the next step.
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Perform the KOER self test.		
	(See KOEO/KOER SELF TEST [SKYACTIV-G		
	2.0, SKYACTIV-G 2.5].)		
	Is the same DTC present?		

STEP	INSPECTION		ACTION
7	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
	Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Are any DTCs present?		