DTC P0098:00	IAT sensor No.2 circuit high input				
DETECTION CONDITION	The PCM monitors the input signal from the IAT sensor No.2. If the voltage from the IAT sensor No.2 is above 4.90 V for 1 s, the PCM determines that the IAT sensor No.2 circuit has a malfunction. MONITORING CONDITIONS Battery voltage: 8—20 V Diagnostic support note This is a continuous monitor (CCM). 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 FUNCTION	Inhibits the EGR control. Inhibits engine-stop by operating the i-stop function. PCM restricts engine-transaxle integration control.				
POSSIBLE CAUSE	Intake air temperature is too low IAT sensor No.2 connector or terminals malfunction IAT sensor No.2 malfunction PCM connector or terminals malfunction PCM connector or terminals malfunction Short to power supply in wiring barness between IAT sensor No.2 terminal A and PCM terminal 2N				
IAT	4) SENSOR NO.2 A B 7 SENSOR NO.2 (a) (b) (c) (c) (c) (c) (d) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d				
WIRIN	SENSOR NO.2 IG HARNESS-SIDE CONNECTOR 2BE 2AZ 2AU 2AP 2AK 2BF 2BA 2AV 2AQ 2AL 2BG 2BB 2AW2AR 2AM 2BH 2BC 2AX 2AS 2AN 2BD 2AY 2AT 2AO 2AI 2AG 2AC 2Y 2U 2Q 2M 2I 2E 2A 2AJ 2AH 2AD 2Z 2V 2R 2N 2J 2F 2B				

Diagnostic 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.

STEP	INSPECTION		ACTION
3	INSPECT IAT SENSOR NO.2 CONNECTOR	Yes	Repair or replace the connector and/or terminals, then go to
	CONDITION		Step 8.
	Switch the ignition off.	No	Go to the next step.
	Disconnect the IAT sensor No.2 connector.		
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
	Is there any malfunction?		
4	INSPECT IAT SENSOR NO.2	Yes	Replace the IAT sensor No.2, then go to Step 8.
	Inspect the IAT sensor No.2.		(See INTAKE AIR TEMPERATURE (IAT) SENSOR NO.2
	(See INTAKE AIR TEMPERATURE (IAT)	L	REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
	SENSOR INSPECTION [SKYACTIV-D 2.2].)	No	Go to Step 8.
	• Is there any malfunction?	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
5	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector. Inspect for page connection (such as demaged).	NI-	Step 8.
	Inspect for poor connection (such as damaged/ pulled out pine correction)	No	Go to the next step.
	pulled-out pins, corrosion). • Is there any malfunction?		
6	INSPECT IAT SENSOR NO.2 CIRCUIT FOR	Yes	Go to the next step.
	SHORT TO POWER SUPPLY	No	Repair or replace the wiring harness for a possible short to
	Verify that the IAT sensor No.2 and PCM	'	power supply, then go to Step 8.
	connectors are disconnected.		power supply, mon go to stop o.
	Switch the ignition ON (engine off).		
	Measure the voltage at the IAT sensor No.2		
	terminal A (wiring harness-side).		
	• Is the voltage 0 V ?		
7	INSPECT IAT SENSOR NO.2 CIRCUIT FOR	Yes	·
	OPEN CIRCUIT	No	Repair or replace the wiring harness for a possible open
	Verify that the IAT sensor No.2 and PCM		circuit, then go to the next step.
	connectors are disconnected.		
	Switch the ignition off.		
	Inspect for continuity between the following terminals (wiring barroos side):		
	terminals (wiring harness-side): — IAT sensor No.2 terminal A—PCM terminal		
	2N		
	IAT sensor No.2 terminal B—PCM terminal		
	2AV		
	• Is there continuity?		
8	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-D
	Clear the DTC from the PCM memory using the		2.2].)
	M-MDS.		Go to the next step.
	(See AFTER REPAIR PROCEDURE	No	Go to the next step.
	[SKYACTIV-D 2.2].)		
	Perform the KOEO or KOER self test.		
	(See KOEO/KOER SELF TEST [SKYACTIV-D		
	2.2].)		
	• Is the same DTC present?	Vas	Co to the applicable DTC increation
9	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
	 Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE 	No	(See DTC TABLE [SKYACTIV-D 2.2].) DTC troubleshooting completed.
	[SKYACTIV-D 2.2].)	INO	DIO troubleshooting completed.
	• Are any DTCs present?		
	The diff DTO3 present:		