	IdU1U2N41465UU					
DTC P0098:00	IAT sensor No.2 circuit high input					
DETECTION CONDITION	If the PCM detects that the IAT sensor No.2 voltage at the PCM terminal 1CE is 4.96 V or more for 5 s, the PCM determines that the IAT sensor No.2 circuit voltage is high. Diagnostic support note This is a continuous monitor (CCM).					
FAIL-SAFE FUNCTION	Not applicable					
POSSIBLE CAUSE	MAP sensor/IAT sensor No.2 connector or terminals malfunction PCM connector or terminals malfunction IAT sensor No.2 malfunction Short to power supply in wiring harness between MAP sensor/IAT sensor No.2 terminal B and PCM terminal 1CE Open circuit in wiring harness between the following terminals:					
PCM malfunction IAT SENSOR NO.2 (MAP SENSOR/IAT SENSOR NO.2) B 4 B 4 9 1BX MAP SENSOR/IAT SENSOR NO.2 WIRING HARNESS-SIDE CONNECTOR PCM WIRING HARNESS-SIDE CONNECTOR						
1EF	1EA DW 1DS 1DO 1DK 1DG 1DA CW 1CS 1CO 1CK 1CG 1CC 1BY 1EB 1DX 1DT 1DP 1DL 1DH 1DE 1DC 1CY 1CU 1CO 1CM 1C 1CE 1CA 1BW 1BU 1BD 1BX 1BA 1AV 1AV					

Diagnostic Procedure

Diagile	Diagnostio i roccatic					
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?					

STEP	INSPECTION		ACTION
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	DETERMINE IF IAT SENSOR NO.2 OR WIRING	Yes	Go to Step 7.
	HARNESS MALFUNCTION	No	Go to the next step.
	Access the IAT2 PID using the M-MDS.		'
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	Verify the IAT2 PID value.		
	• Is the IAT2 PID value 5 V or B+ ?		
4	INSPECT MAP SENSOR/IAT SENSOR NO.2	Yes	Repair or replace the connector and/or terminals, then go to
	CONNECTOR CONDITION		Step 10.
	• Switch the ignition off.	No	Go to the next step.
	Disconnect the MAP sensor/IAT sensor No.2		
	connector.		
	• Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
5	• Is there any malfunction? INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
3	Disconnect the PCM connector.	169	Step 10.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).	110	Ou to the next step.
	• Is there any malfunction?		
6	INSPECT IAT SENSOR NO.2	Yes	Replace the MAP sensor/IAT sensor No.2, then go to Step
	Inspect the IAT sensor No.2.		10.
	(See INTAKE AIR TEMPERATURE (IAT)		(See MANIFOLD ABSOLUTE PRESSURE (MAP)
	SENSOR INSPECTION [SKYACTIV-G 2.0,		SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR
	SKYACTIV-G 2.5].)		NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,
	Is there any malfunction?		SKYACTIV-G 2.5].)
		No	Go to Step 10.
7	DETERMINE IF IAT SENSOR NO.2 SIGNAL	Yes	Go to the next step.
	CIRCUIT OR IAT SENSOR NO.2 GROUND	No	Go to Step 9.
	CIRCUIT MALFUNCTION		
	Switch the ignition off. Disconnect the MAP sensor/IAT sensor No.2		
	connector.		
	Access the IAT2 PID using the M-MDS.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0, SKYACTIV-G 2.5].)		
	• Verify the IAT2 PID value.		
	• Is the IAT2 PID value 5 V or B+ ?		
8	INSPECT IAT SENSOR NO.2 SIGNAL CIRCUIT	Yes	Repair or replace the wiring harness for a possible short to
	FOR OPEN CIRCUIT		power supply, then go to Step 10.
	Verify that the MAP sensor/IAT sensor No.2	No	Repair or replace the wiring harness for a possible open
	connector is disconnected.		circuit, then go to Step 10.
	Switch the ignition off.		
	Disconnect the PCM connector.		
	• Inspect for continuity between MAP sensor/IAT		
	sensor No.2 terminal B (wiring harness-side) and		
	PCM terminal 1CE (wiring harness-side).		
	• Is there continuity?	V	Deplete the MAD conser/IAT conser No. 0, there are him
9	INSPECT IAT SENSOR NO.2 GROUND CIRCUIT	Yes	Replace the MAP sensor/IAT sensor No.2, then go to the
	FOR OPEN CIRCUIT		next step. (See MANIFOLD ABSOLUTE PRESSURE (MAP)
	Verify that the MAP sensor/IAT sensor No.2 connector is disconnected.		SENSOR/INTAKE AIR TEMPERATURE (IAT) SENSOR
	Switch the ignition off.		NO.2 REMOVAL/INSTALLATION [SKYACTIV-G 2.0,
	Disconnect the PCM connector.		SKYACTIV-G 2.5].)
	Inspect for continuity between MAP sensor/IAT	No	Repair or replace the wiring harness for a possible open
	sensor No.2 terminal A (wiring harness-side) and	INU	circuit, then go to the next step.
	PCM terminal 1BX (wiring harness-side).		onount, then go to the next step.
	• Is there continuity?		
	.c more continuity.		

STEP	INSPECTION		ACTION
10	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 KOEO or KOER self test.		
	(See KOEO/KOER SELF TEST [SKYACTIV-G		
	2.0, SKYACTIV-G 2.5].)		
	Is the same DTC present?		
11	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?		