DTC P0103:00	MAF sensor circuit high input			
DETECTION CONDITION	 The PCM monitors the input voltage from the MAF sensor when the engine is running. If the input voltage at the PCM terminal 2BC is above 4.94 V for 5 s, the PCM determines that the MAF sensor circuit has a malfunction. 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. The DTC is stored in the PCM memory. 			
FAIL-SAFE	Restricts the upper limit of the engine speed.			
POSSIBLE CAUSE	 Inhibits the evaporative purge control. MAF sensor/IAT sensor No.1 connector or terminals malfunction PCM connector or terminals malfunction MAF sensor malfunction Short to power supply in wiring harness between MAF sensor/IAT sensor No.1 terminal C and PCM terminal 2BC 			
	Open circuit in wiring harness between MAF sensor/IAT sensor No.1 terminal B and PCM terminal 2AY PCM malfunction			
(MAF S	(6) 8 MAIN RELAY TERMINAL C PCM MAF SENSOR NO.1) (4) ENGINE1 15 A (5) (2BB) (6) 8 MAIN RELAY TERMINAL C PCM (6) 8 MAIN RELAY PCM (7) (5) (2BC) W (8) 8 (5) (2AY)			
	SENSOR/IAT SENSOR NO.1 IRING HARNESS-SIDE CONNECTOR 2BE 2AZ 2AU 2AP 2AK 2BF 2BA 2AV 2AQ 2AL 2BG 2BB 2AW 2AR 2AM 2BG 2BB 2AW 2AR 2AM			
({	E D C B A 2BD 2AY 2AT 2AO 2AJ 2AH 2AD 2Z 2V 2R 2N 2J 2F 2B			

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STĚP	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	CLASSIFY MAF SENSOR MALFUNCTION OR	Yes	Go to Step 7.
	WIRING HARNESS MALFUNCTION	No	Go to the next step.
	Access the MAF PID using the M-MDS.	''	os to the next step.
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0].)		
	Verify the MAF PID value.		
	• Is the MAF PID value 5 V or B+ ?		
4	INSPECT MAF SENSOR/IAT SENSOR NO.1	Yes	Repair or replace the connector and/or terminals, then go to
	CONNECTOR CONDITION		Step 9.
	Switch the ignition to off.	No	Go to the next step.
	Disconnect the MAF sensor/IAT sensor No.1		
	connector.		
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
	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.		Step 9.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).		
	Is there any malfunction?		
6	INSPECT MAF SENSOR	Yes	Replace the MAF sensor/IAT sensor No.1, then go to Step
	Inspect the MAF sensor.		9.
	(See MASS AIR FLOW (MAF) SENSOR		(See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION
	INSPECTION [SKYACTIV-G 2.0].)		[SKYACTIV-G 2.0].)
	Is there any malfunction?	No	Go to Step 9.
7	INSPECT MAF SENSOR SIGNAL CIRCUIT FOR	Yes	Repair or replace the wiring harness for a possible short to
	SHORT TO POWER SUPPLY		power supply, then go to Step 9.
	Switch the ignition to off.	No	Go to the next step.
	Disconnect the MAF sensor/IAT sensor No.1		
	connector.		
	Access the MAF PID using the M-MDS.		
	(See ON-BOARD DIAGNOSTIC TEST		
	[SKYACTIV-G 2.0].)		
	• Verify the MAF PID value.		
8	• Is the MAF PID value 5 V or B+? INSPECT MAF SENSOR GROUND CIRCUIT FOR	Yes	Replace the MAF sensor/IAT sensor No.1, then go to the
°	OPEN CIRCUIT	res	next step.
	Verify that the MAF sensor/IAT sensor No.1		(See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION
	connector is disconnected.		[SKYACTIV-G 2.0].)
	Switch the ignition to off.	No	Repair or replace the wiring harness for a possible open
	Disconnect the PCM connector.	110	circuit, then go to the next step.
	Inspect for continuity between MAF sensor/IAT		onount, then go to the next step.
	sensor No.1 terminal B (wiring harness-side) and		
	PCM terminal 2AY (wiring harness-side).		
	• Is there continuity?		
9	VERIFY DTC TROUBLESHOOTING	Yes	Repeat the inspection from Step 1.
	COMPLETED		If the malfunction recurs, replace the PCM.
	Make sure to reconnect all disconnected		(See PCM REMOVAL/INSTALLATION [SKYACTIV-G
	connectors.		2.0].)
	Clear the DTC from the PCM memory using the	L	Go to the next step.
	M-MDS.	No	Go to the next step.
	(See AFTER REPAIR PROCEDURE		
	[SKYACTIV-G 2.0].)		
	Start the engine and warm it up completely.		
	Perform the KOEO or KOER self test.		
	(See KOEO/KOER SELF TEST [SKYACTIV-G		
	2.0].)		
	Is the same DTC present?	L	
10	VERIFY AFTER REPAIR PROCEDURE	Yes	, · · · · · · · · · · · · · · · · · · ·
	Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-G 2.0].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-G 2.0].)		
	Are any DTCs present?		