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. DTC is stored in the PCM memory. 				
FAIL-SAFE FUNCTION	Restricts the upper limit of the engine speed. Inhibits the evaporative purge control.				
POSSIBLE CAUSE	 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	68 MAIN RELAY MAF SENSOR TERMINAL C PCM SENSOR/IAT SENSOR NO.1)				
	## ENGINE 1 15 A ## ENGINE 1 15 A ## (2BB) ## (2BC) ## (2AY) ## (2AY)				
	ENSOR/IAT SENSOR NO.1 IRING HARNESS-SIDE CONNECTOR 2BE 2AZ 2AU 2AP 2AK 2BF 2BA 2AV 2AQ 2AL 2BF 2BB 2AZ 2AU 2AQ 2AL 2BF 2BB 2BB 2AZ 2AU 2AQ 2AL 2BF 2BB 2BB 2BB 2BB 2BB 2BB 2BB 2BB 2BB				
4	2BG 2BB 2AW 2AR 2AM 2BH 2BC 2AX 2AS 2AN 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	P INSPECTION ACTION			
3	DETERMINE IF MAF SENSOR OR WIRING	Yes	Go to Step 7.	
	HARNESS MALFUNCTION	No	Go to the next step.	
	Access the MAF PID using the M-MDS.		,	
	(See ON-BOARD DIAGNÖSTIC TEST			
	SKYACTIV-G 2.0, SKYACTIV-G 2.5].)			
	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 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 MASS AIR FLOW (MAF) SENSOR/INTAKE AIR	
	INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G		TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/	
	2.5].)		INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)	
	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 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, SKYACTIV-G 2.5].)			
	Verify the MAF PID value. Is the MAF PID value 5.V or B 12.			
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	
0	OPEN CIRCUIT	165		
	Verify that the MAF sensor/IAT sensor No.1		next step. (See MASS AIR FLOW (MAF) SENSOR/INTAKE AIR	
	connector is disconnected.		TEMPERATURE (IAT) SENSOR NO.1 REMOVAL/	
	Switch the ignition off.		INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)	
	Disconnect the PCM connector.	No	Repair or replace the wiring harness for a possible open	
	Inspect for continuity between MAF sensor/IAT	'10	circuit, then go to the next step.	
	sensor No.1 terminal B (wiring harness-side) and		onean, then go to the next step.	
	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.	
	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].)			
	Start the engine and warm it up completely.			
	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?			
10	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?			