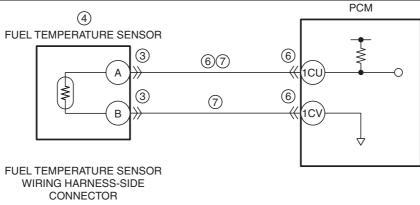
DTC P0182:00	Fuel temperature sensor circuit low input
DETECTION CONDITION	 The PCM monitors the fuel temperature sensor signal. If the PCM detects that the fuel temperature sensor voltage at the PCM terminal 1CU is below 0.09 V for 1 s, the PCM determines that the fuel temperature sensor circuit has a malfunction. MONITORING CONDITIONS Battery voltage: 8—20 V Diagnostic support note This is an intermittent monitor (fuel system). 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 engine-stop by operating the i-stop function. PCM restricts engine-transaxle integration control.
POSSIBLE CAUSE	 Fuel temperature is too high Fuel temperature sensor connector or terminals malfunction Fuel temperature sensor malfunction Short to ground in wiring harness between fuel temperature sensor terminal A and PCM terminal 1CU PCM connector or terminals malfunction Fuel temperature sensor signal circuit and ground circuit are shorted to each other PCM malfunction
	PCM







PCM WIRING HARNESS-SIDE CONNECTOR

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		1EE	1EA	1DW	1DS	1DO	1DK	1DG	1	1DA	1CW	1CS	1CO	1CK	1CG	1CC	1BY	N	1B	R 1	ВМ	1BH	1BC	1AX	1AS	1AN	1AI	1/	\D	1Y	1T	10	1J	1E	1A	Ιl
								1DH		1DB	-							8	1B	S ₁	ΒN	1BI	1BD	1AY	1AT	1AO	1AJ	1/	Æ	1Z	1U	1P	1K	1F	1B	П
										~~~									1B	T 1	во	1BJ	1BE	1AZ	1AU	1AP	1AK	1/	١F	1AA	1V	1Q	1L	1G	1C	
	1EI	1EG	1EC	1DY	1DU1	DQ	1DM	1DI	1D	E 1DC	1CY	1CU	1CQ	1CM	1CI	1CE	1CA	1BW	1B	U 1	BP	1BK	1BF	1BA	1AV	1AQ	1AL	1.4	G.	1AB	1W	1R	1M	1H	1D	
	1EJ	1EH	1ED	1DZ	1DV	IDR	1DN	1DJ	1D	F 1DD	1CZ	1CV	1CR	1CN	1CJ	1CF	1CB	1BX	1B	V 1	BQ	1BL	1BG	1BB	1AW	1AR	1AM	1.4	Ή	1AC	1X	1S	1N	11		
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**Diagnostic Procedure** 

STEP	INSPECTION		ACTION
1		Voo	
'	VERIFY FREEZE FRAME DATA (MODE 2)/ SNAPSHOT DATA AND DIAGNOSTIC	Yes	Go to the next step.
		No	Record the FREEZE FRAME DATA (Mode 2)/snapshot data
	MONITORING TEST RESULTS HAVE BEEN		and DIAGNOSTIC MONITORING TEST RESULTS on the
	RECORDED		repair order, then go to the next step.
	Have the FREEZE FRAME DATA (Mode 2)/		
	snapshot data and DIAGNOSTIC MONITORING		
	TEST RESULTS (fuel system related) been		
	recorded?		
2	VERIFY RELATED SERVICE INFORMATION	Yes	
	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	INSPECT FUEL TEMPERATURE SENSOR	Yes	Repair or replace the connector and/or terminals, then go to
	CONNECTOR CONDITION		Step 8.
	Switch the ignition off.	No	Go to the next step.
	Disconnect the fuel temperature sensor		
	connector.		
	Inspect for poor connection (such as damaged/		
	pulled-out pins, corrosion).		
	Is there any malfunction?		
4	INSPECT FUEL TEMPERATURE SENSOR	Yes	Replace the lower case, then go to Step 8.
	Inspect the fuel temperature sensor.		(See LOWER CASE REMOVAL/INSTALLATION
	(See FUEL TEMPERATURE SENSOR		[SKYACTIV-D 2.2].)
	INSPECTION [SKYACTIV-D 2.2].)	No	Go to the next step.
	Is there any malfunction?		
5	INSPECT FUEL TEMPERATURE SENSOR	Yes	If the short to ground circuit could be detected in the wiring
	SIGNAL CIRCUIT FOR SHORT TO GROUND		harness:
	Verify that the fuel temperature sensor connector		• Repair or replace the wiring harness for a possible short to
	is disconnected.		ground.
	Inspect for continuity between fuel temperature		If the short to ground circuit could not be detected in the
	sensor terminal A (wiring harness-side) and body		wiring harness:
	ground.		Replace the PCM (short to ground in the PCM internal
	Is there continuity?		circuit).
	·		(See PCM REMOVAL/INSTALLATION [SKYACTIV-D
			2.2].)
			Go to Step 8.
		No	Go to the next step.
6	INSPECT PCM CONNECTOR CONDITION	Yes	Repair or replace the connector and/or terminals, then go to
	Disconnect the PCM connector.		Step 8.
	Inspect for poor connection (such as damaged/	No	Go to the next step.
	pulled-out pins, corrosion).		·
	• Is there any malfunction?		
7	INSPECT FUEL TEMPERATURE SENSOR	Yes	Repair or replace the wiring harness for a possible short to
	SIGNAL CIRCUIT AND GROUND CIRCUIT FOR		each other, then go to the next step.
	SHORT TO EACH OTHER	No	Go to the next step.
	Verify that the fuel temperature sensor and PCM		
	connectors are disconnected.		
	Inspect for continuity between fuel temperature		
	sensor terminals A and B (wiring harness-side).		
	• Is there continuity?		
8	VERIFY DTC TROUBLESHOOTING	Yes	Repeat the inspection from Step 1.
	COMPLETED	. 55	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].)	INU	OU TO THE HEAT STEP.
	• Perform the KOEO or KOER self test.		
	(See KOEO/KOER SELF TEST [SKYACTIV-D		
	2.2].) • Is the same DTC present?		
			1

STEP	INSPECTION		ACTION
9	VERIFY AFTER REPAIR PROCEDURE	Yes	Go to the applicable DTC inspection.
	Perform the "AFTER REPAIR PROCEDURE".		(See DTC TABLE [SKYACTIV-D 2.2].)
	(See AFTER REPAIR PROCEDURE	No	DTC troubleshooting completed.
	[SKYACTIV-D 2.2].)		
	Are any DTCs present?		