

DTC P025C:00 [SKYACTIV-G 2.0]

id0102h1008400

DTC P025C:00	Fuel pump control module result of on-board diagnostic test low input
DETECTION CONDITION	<ul style="list-style-type: none"> Result of on-board test cannot be received from fuel pump control module (voltage is too low). Diagnostic support note <ul style="list-style-type: none"> 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 FUNCTION	—
POSSIBLE CAUSE	<ul style="list-style-type: none"> Fuel pump control module connector or terminals malfunction Short to ground in wiring harness between fuel pump control module terminal 1A and PCM terminal 2AM PCM connector or terminals malfunction Open circuit in wiring harness between fuel pump control module terminal 1A and PCM terminal 2AM Fuel pump control module malfunction PCM malfunction
<div> <div> <p>⑦</p> <p>FUEL PUMP CONTROL MODULE</p> <p>FUEL PUMP CONTROL MODULE WIRING HARNESS-SIDE CONNECTOR</p> </div> <div> <p>PCM</p> <p>PCM WIRING HARNESS-SIDE CONNECTOR</p> </div> </div>	

Diagnostic Procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA (MODE 2)/SNAPSHOT DATA HAS BEEN RECORDED <ul style="list-style-type: none"> Has the FREEZE FRAME DATA (Mode 2)/snapshot data been recorded? 	Yes Go to the next step.
		No Record the FREEZE FRAME DATA (Mode 2)/snapshot data on the repair order, then go to the next step.
2	VERIFY RELATED SERVICE INFORMATION AVAILABILITY <ul style="list-style-type: none"> Verify related Service Information availability. Is any related Service Information available? 	Yes Perform repair or diagnosis according to the available Service Information. • If the vehicle is not repaired, go to the next step.
		No Go to the next step.
3	INSPECT FUEL PUMP CONTROL MODULE CONNECTOR CONDITION <ul style="list-style-type: none"> Switch the ignition to off. Disconnect the fuel pump control module connector. Inspect for poor connection (such as damaged/pulled-out pins, corrosion). Is there any malfunction? 	Yes Repair or replace the connector and/or terminals, then go to Step 8.
		No Go to the next step.

STEP	INSPECTION		ACTION
4	INSPECT FUEL PUMP CONTROL MODULE SIGNAL CIRCUIT FOR SHORT TO GROUND <ul style="list-style-type: none"> • Verify that the fuel pump control module connector is disconnected. • Inspect for continuity between fuel pump control module terminal 1A (wiring harness-side) and body ground. • Is there continuity? 	Yes	If the short to ground circuit could be detected in the wiring harness: <ul style="list-style-type: none"> • Repair or replace the wiring harness for a possible short to ground. If the short to ground circuit could not be detected in the wiring harness: <ul style="list-style-type: none"> • Replace the PCM (short to ground in the PCM internal circuit). (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to Step 8.
		No	Go to the next step.
5	INSPECT PCM CONNECTOR CONDITION <ul style="list-style-type: none"> • Disconnect the PCM connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction? 	Yes	Repair or replace the connector and/or terminals, then go to Step 8.
		No	Go to the next step.
6	INSPECT FUEL PUMP CONTROL MODULE SIGNAL CIRCUIT FOR OPEN CIRCUIT <ul style="list-style-type: none"> • Verify that the fuel pump control module and PCM connectors are disconnected. • Inspect for continuity between fuel pump control module terminal 1A (wiring harness-side) and PCM terminal 2AM (wiring harness-side). • Is there continuity? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible open circuit, then go to Step 8.
7	INSPECT FUEL PUMP CONTROL MODULE <ul style="list-style-type: none"> • Reconnect all disconnected connectors. • Inspect the fuel pump control module. (See FUEL PUMP CONTROL MODULE REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) • Is there any malfunction? 	Yes	Replace the fuel pump control module, then go to the next step. (See FUEL PUMP CONTROL MODULE REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
		No	Go to the next step.
8	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> • Make sure to reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].) • Is the same DTC present? 	Yes	Repeat the inspection from Step 1. <ul style="list-style-type: none"> • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].) Go to the next step.
		No	Go to the next step.
9	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) • Are any DTCs present? 	Yes	Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0].)
		No	DTC troubleshooting completed.