

Caution

- Vehicle specifications differ depending on the vehicle identification number (VIN).

— Type A VIN:

JM0 KE***** 100001—

JM6 KE***** 100001—

JM7 KE***** 100001—

JM8 KE***** 100001—

JMZ KE***** 100001—

KE10** 100001—

— Type B VIN:

JM0 KE***** 200001—

JM6 KE***** 200001—

JM8 KE***** 200001—

JMZ KE***** 200001—

KE10** 200001—

DTC P025D:00	Fuel pump control module result of on-board diagnostic test high 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 high). 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. (Type A VIN) The check engine light does not illuminate. (Type B VIN) FREEZE FRAME DATA (Mode 2) is not available. (Type B VIN) FREEZE FRAME DATA (Mode 2) is available. (Type A VIN) Snapshot data is available. DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	Not applicable
POSSIBLE CAUSE	<ul style="list-style-type: none"> Fuel pump control module connector or terminals malfunction PCM connector or terminals malfunction Short to power supply in wiring harness between fuel pump control module terminal 1A and PCM terminal 2AM Open circuit in wiring harness between fuel pump control module terminal 1A and PCM terminal 2AM Fuel pump control module malfunction PCM malfunction
<p>⑦</p> <p>FUEL PUMP CONTROL MODULE</p> <p>PCM</p> <p>FUEL PUMP CONTROL MODULE WIRING HARNESS-SIDE CONNECTOR</p> <p>PCM WIRING HARNESS-SIDE CONNECTOR</p>	

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 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.
4	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.
5	INSPECT FUEL PUMP CONTROL MODULE SIGNAL CIRCUIT FOR SHORT TO POWER SUPPLY <ul style="list-style-type: none"> Verify that the fuel pump control module and PCM connectors are disconnected. Switch the ignition ON (engine off). Measure the voltage at the fuel pump control module terminal 1A (wiring harness-side). Is the voltage 0 V? 	Yes	Go to the next step.
		No	Repair or replace the wiring harness for a possible short to power supply, then go to Step 8.
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. Switch the ignition off. 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 INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) 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, SKYACTIV-G 2.5].)
		No	Go to the next step.
8	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Always reconnect all disconnected connectors. Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [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? 	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Go to the next step.
		No	Go to the next step.

STEP	INSPECTION	ACTION
9	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Are any DTCs present? 	Yes Go to the applicable DTC inspection. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		No DTC troubleshooting completed.