

DTC P0610:00 [SKYACTIV-G 2.0]

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DTC P0610:00	PCM vehicle configuration error
DETECTION CONDITION	<ul style="list-style-type: none"> • PCM data configuration error. 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"> • Configuration procedure has not been completed • PCM connector or terminals malfunction • PCM malfunction
SYSTEM WIRING DIAGRAM	—

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	PERFORM PCM CONFIGURATION <ul style="list-style-type: none"> • Perform the PCM configuration (using read/write function). (See PCM CONFIGURATION (USING READ/ WRITE FUNCTION) [SKYACTIV-G 2.0].) • Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) • Start the engine. • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].) • Is the same DTC present? 	Yes Go to the next step.
		No Go to Step 6.
4	INSPECT PCM CONNECTOR CONDITION <ul style="list-style-type: none"> • Switch the ignition to off. • 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 the next step.
		No Perform the PCM configuration (using read/write function) again. (See PCM CONFIGURATION (USING READ/WRITE FUNCTION) [SKYACTIV-G 2.0].) • If the malfunction recurs, perform the PCM configuration (using as-built data). (See PCM CONFIGURATION (USING AS-BUILT DATA) [SKYACTIV-G 2.0].) Go to the next step.

STEP	INSPECTION	ACTION	
5	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].) • Start the engine. • Perform the KOEO or KOER self test. (See KOEO/KOER SELF TEST [SKYACTIV-G 2.0].) • Is the same DTC present? 	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0].)
		No	Go to the next step.
6	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.