

DTC P0602:00 [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

id0102h4705700

DTC P0602:00	PCM programming error
DETECTION CONDITION	<ul style="list-style-type: none"> No configuration data in the PCM. <p>Note</p> <ul style="list-style-type: none"> If the "PCM CONFIGURATION" is successful, the PCM stores the DTC P0602:00 and illuminates the check engine light (system is normal). Clear the DTC P0602:00 using the M-MDS after the "PCM CONFIGURATION". The check engine light goes out after three drive cycles with no failure (the DTCs remain in PCM). <p>Diagnostic support note</p> <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. DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	Not applicable
POSSIBLE CAUSE	<ul style="list-style-type: none"> Configuration has not been completed PCM connector or terminals malfunction PCM malfunction
SYSTEM WIRING DIAGRAM	Not applicable

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, SKYACTIV-G 2.5].) Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Start the engine. 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 Go to the next step.
		No Go to Step 6.
4	INSPECT PCM CONNECTOR CONDITION <ul style="list-style-type: none"> Switch the ignition 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, SKYACTIV-G 2.5].) • If the malfunction recurs, perform the PCM configuration (using as-built data). (See PCM CONFIGURATION (USING AS-BUILT DATA) [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) Go to the next step.

STEP	INSPECTION		ACTION
5	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].) • Start the engine. • 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	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
		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, 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.