

DTC P064D:00 [SKYACTIV-G 2.0]

id0102h1302700

DTC P064D:00	Internal control module A/F sensor processor performance problem
DETECTION CONDITION	<ul style="list-style-type: none"> The A/F sensor IC integrated in the PCM converts to the voltage value for the fuel control and for the diagnosis based on the A/F sensor signal current and sends to the CPU (integrated in the PCM). If there is a transmission format error from the A/F sensor IC to the PCM, the PCM will detect a transmission error. MONITORING CONDITIONS <ul style="list-style-type: none"> Drive Mode 03 (Variable Valve Timing, A/F Sensor Heater, HO2S Heater, A/F Sensor, HO2S and TWC Repair Verification Drive Mode) Following conditions are met: <ul style="list-style-type: none"> Engine is running Battery voltage: 11—18 V 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	<ul style="list-style-type: none"> Fixes the duty value of the A/F sensor heater. Stops the fuel feedback control.
POSSIBLE CAUSE	<ul style="list-style-type: none"> PCM internal malfunction (between CPU and A/F sensor control IC communication line)
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	VERIFY DTC TROUBLESHOOTING COMPLETED <ul style="list-style-type: none"> Clear the DTC from the PCM memory using the M-MDS. (See AFTER REPAIR PROCEDURE [SKYACTIV-G 2.0].) Perform the Drive Mode 03 (Variable Valve Timing, A/F Sensor Heater, HO2S Heater, A/F Sensor, HO2S and TWC Repair Verification Drive Mode). (See OBD DRIVE MODE [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.
4	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.