

DTC P117A:00 [SKYACTIV-G 2.0]

id0102h1316900

DTC P117A:00	Engine oil temperature is high
DETECTION CONDITION	<ul style="list-style-type: none">• With the transmission in 4th gear or lower gear, an engine speed of 6,100 rpm continues for 6 min. Diagnostic support note <ul style="list-style-type: none">• This is a continuous monitor (other).• The check engine light does not illuminate.• FREEZE FRAME DATA (Mode 2)/Snapshot data is not available.• The DTC is stored in the PCM memory.
FAIL-SAFE FUNCTION	<ul style="list-style-type: none">• Limits the intake air amount.
POSSIBLE CAUSE	<ul style="list-style-type: none">• High engine speed condition continues• PCM malfunction

Diagnostic Procedure

STEP	INSPECTION		ACTION
1	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. <ul style="list-style-type: none">• If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
2	VERIFY RELATED PENDING CODE AND/OR DTC <ul style="list-style-type: none">• Switch the ignition to off, then to ON (engine off).• Perform the Pending Trouble Code Access Procedure and DTC Reading Procedure. (See ON-BOARD DIAGNOSTIC TEST [SKYACTIV-G 2.0].)• Is the PENDING CODE/DTC P0335:00 also present?	Yes	Go to the applicable PENDING CODE or DTC inspection. (See DTC P0335:00 [SKYACTIV-G 2.0].)
		No	Go to the next step.
3	INSPECT EFFECT OF VEHICLE CONDITION FOR MALFUNCTION <ul style="list-style-type: none">• Verify how the customer drives the vehicle by asking the customer the following:• Does the engine speed exceed 6,100 rpm for 6 min or more while driving in 4th gear or lower gear?	Yes	Explain to the customer that the vehicle is normal. (malfunction caused by continuous engine speed exceeding 6,100 rpm for 6 min or more while in 4th gear or lower gear) If there is a concern with customer's driving, provide the customer some pertinent advice (such as gear selection, how to use manual mode).
		No	Go to the next step.
4	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 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	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.
5	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.