

DTC P0125 [LF]

B3E010201084W18

DTC P0125	Excessive time to enter closed loop fuel control
DETECTION CONDITION	<ul style="list-style-type: none"> The PCM monitors the ECT sensor signal at PCM terminal 2AK after engine is started while the engine is cold. If the engine coolant temperature does not reach the expected temperature for specified period, the PCM determines that it has taken an excessive amount of time for the engine coolant temperature to reach the temperature necessary to start closed-loop fuel control. Diagnostic support note <ul style="list-style-type: none"> This is a continuous monitor (CCM). MIL illuminates if the PCM detects the above malfunction condition in two consecutive drive cycles or in one drive cycle while the DTC for the same malfunction has been stored in the PCM. PENDING CODE is available if the PCM detects the above malfunction condition during first drive cycle. FREEZE FRAME DATA is available. DTC is stored in the PCM memory.
POSSIBLE CAUSE	<ul style="list-style-type: none"> ECT sensor malfunction Poor connection of connectors PCM malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED • Has FREEZE FRAME DATA been recorded?	Yes Go to the next step.
		No Record FREEZE FRAME DATA on repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY • Verify related service repair information availability. • Is any related repair information available?	Yes Perform repair or diagnosis according to available repair information. • If vehicle is not repaired, go to the next step.
		No Go to the next step.
3	VERIFY CURRENT INPUT SIGNAL STATUS: IS CONCERN INTERMITTENT OR CONSTANT • Start the engine. • Warm up the engine completely. • Access ECT PID using the WDS or equivalent. • Is ECT PID above 60 °C {140 °F} ?	Yes Intermittent concern exists. Go to INTERMITTENT CONCERNS TROUBLESHOOTING procedure. (See INTERMITTENT CONCERN TROUBLESHOOTING [LF] .)
		No Go to the next step.
4	INSPECT POOR CONNECTION OF ECT SENSOR CONNECTOR • Turn the ignition switch off. • Disconnect the ECT sensor connector. • Inspect for poor connection (such as damaged/pulled-out pins, corrosion). • Is there any malfunction?	Yes Repair or replace the terminal, then go to Step 7.
		No Go to the next step.
5	INSPECT ECT SENSOR • Inspect the ECT sensor. (See ENGINE COOLANT TEMPERATURE (ECT) SENSOR INSPECTION [LF] .) • Is it normal?	Yes Go to the next step.
		No Replace the ECT sensor, then go to Step 7.
	INSPECT POOR CONNECTION OF PCM	

6	CONNECTOR <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 terminal, then go to the next step.
		No	Go to the next step.
7	VERIFY TROUBLESHOOTING OF DTC P0125 COMPLETED <ul style="list-style-type: none"> • Make sure to reconnect all disconnected connectors. • Clear the DTC from the PCM memory using the WDS or equivalent. • Turn the ignition switch to the ON position (Engine off). • Access ECT PID using the WDS or equivalent. • Wait until ECT PID below 20 °C {68 °F}. • Start the engine and warm it up completely. • Is the PENDING CODE for this DTC present? 	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/INSTALLATION [LF] .)
		No	Go to the next step.
8	VERIFY AFTER REPAIR PROCEDURE <ul style="list-style-type: none"> • Perform the "After Repair Procedure". (See AFTER REPAIR PROCEDURE [LF].) • Are any DTC present? 	Yes	Go to the applicable DTC troubleshooting. (See DTC TABLE [LF] .)
		No	Troubleshooting completed.