



STAR ONLINE PUBLICATION



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Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL) Illuminated, Remote Start Disabled, Diagnostic Trouble Code (DTC) P2183 – Engine Coolant Temperature Sensor 2 Circuit Performance set.

Discussion: Some customers may experience a MIL illumination at first startup, after sitting overnight. They may also comment that their remote start is disabled when the concern happens. Upon further investigation, a technician will find DTC P2183 set in the Powertrain Control Module (PCM). This condition only happens in temperatures below 32°F (0°C) when using an engine block heater overnight.

This diagnostic is used on vehicles equipped with the optional rear axle heater system. DTC P2183 will set at first key on, after an 8-hour cold soak, when the system detects a greater than 86°F (30°C) difference between the coolant temperature at the rear axle and engine coolant/oil temperatures.

The current calibration does not have the ability to detect when a block heater is being used. Using the engine block heater overnight may warm up the engine coolant and oil temperatures enough to trigger this DTC falsely. Currently, there is no remedy for this condition. Engineering is investigating a possible calibration fix, however, there is no ETA on availability at this time.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found