



STAR ONLINE PUBLICATION



Case Number: S2118000003

Release Date: 4/09/2021

Symptom/Vehicle Issue: Malfunction Indicator Lamp (MIL) Illumination. Diagnostic Trouble Codes (DTCs) P051B – Crankcase Pressure Sensor Circuit Performance, and/or P04DB – Crankcase Ventilation System Disconnected, Set After Powertrain Control Module (PCM) Replacement

Discussion: You may run into a concern where DTCs P051B and/or P04DB are setting after replacing the PCM. In these cases, the DTCs were not setting prior to module replacement.

An issue has been identified where these DTCs may falsely set when a replacement PCM is programmed using the “Value Transfer” method. If the “Value Transfer” program routine is initiated to transfer module information from the existing PCM into the new PCM, and the new PCM software is updated prior to completing the value transfer first, it may corrupt the Closed Crankcase Ventilation (CCV) system learned tables leading to these DTCs setting.

If you run into this concern, perform the following steps to clear the DTCs, and allow the system to relearn the CCV values.

1. Clear all DTCs
2. Start the vehicle, and allow the coolant temperature to reach a minimum of 176°F (80°C).
3. Turn the ignition off for 10 seconds.
4. Turn the ignition to run for 10 seconds.
5. Repeat steps 3, and 4, two more times.
6. Verify DTCs are no longer set active.

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