



**Bulletin No.:** PIP5841E  
**Published date:** 04/9/2025

## Preliminary Information

### PIP5841E Diagnostic Tip: DTC P04FB Due To Possible Condensation Freezing In Crankcase Pressure Sensor Assembly

#### Proactive

#### Models

| Brand:    | Model:   | Model Years: | VIN: |     | Engine: | Transmissions: |
|-----------|----------|--------------|------|-----|---------|----------------|
|           |          |              | from | to  |         |                |
| Buick     | Envision | 2021 - 2025  | All  | All | 2.0 LSY | All            |
| Cadillac  | CT4      | 2020 - 2025  | All  | All | 2.0 LSY | All            |
| Cadillac  | CT5      | 2020 - 2025  | All  | All | 2.0 LSY | All            |
| Cadillac  | CT6      | 2019         | All  | All | 2.0 LSY | All            |
| Cadillac  | XT4      | 2019 - 2025  | All  | All | 2.0 LSY | All            |
| Cadillac  | XT5      | 2020 - 2025  | All  | All | 2.0 LSY | All            |
| Cadillac  | XT6      | 2020 - 2025  | All  | All | 2.0 LSY | All            |
| Chevrolet | Blazer   | 2020 - 2025  | All  | All | 2.0 LSY | All            |
| GMC       | Acadia   | 2020 - 2024  | All  | All | 2.0 LSY | All            |

|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| Involved Region or Country: | North America                                                                    |
| Condition:                  | DTC P04FB Failed current or history                                              |
| Cause:                      | Possible moisture or condensation freezing in Crankcase Pressure Sensor assembly |

#### Correction

If you encounter a vehicle setting DTC P04FB in temperatures below freezing that has failed current or history complete the published SI diagnostics for the DTC.

If unable to establish a root cause. Remove the PCV/Crankcase Pressure Sensor and hose assembly and inspect for presence of frozen moisture/condensation in the Crankcase Pressure sensor and hose assembly.

If frozen moisture is present, replacement of the Crankcase Pressure Sensor will not be necessary. Please allow the Crankcase pressure sensor and hose assembly to thaw out and the moisture to drain completely. Use a combination of light compressed air and a shop towel to remove any residual condensation/moisture.

**Note: If the ambient air temperatures have not been below freezing but moisture is still present in the Crankcase pressure sensor. Remove the moisture using a combination of light compressed air and a shop towel.**

Once completed clear any remaining DTC's using GDS and evaluate.

#### Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

| Labor Operation                                          | Description                                                     | Labor Time |
|----------------------------------------------------------|-----------------------------------------------------------------|------------|
| *4088908                                                 | PCV/Crankcase Pressure Sensor and Hose Assembly Clean and Drain | .3 Hr.     |
| *This is a unique Labor Operation for Bulletin use only. |                                                                 |            |

**Version History.**

| Version  | 5                                                                                                                                                                                                                                                                                                                                                                                    |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modified | <b>02/23/2022 - Created on.</b><br><b>05/11/2022 - Updated correction to not replace crankcase pressure sensor</b><br><b>01/27/2023- Updated to include 2023 Model Year.</b><br><b>03/15/2023- Updated to include unique labor operation</b><br><b>01/05/2024 Updated information to include 2024 Model Year.</b><br><b>02/27/2025 Updated informaton to include 2025 Model Year</b> |