P4, WST X-Series, DD Engines Low/Critical Low Coolant Warnings

P4, WST X-Series, DD Engines Low /Critical Low Coolant Warnings | *Information Only Bulletin* | *Production Change over 10/8/2024*

Problem Details:

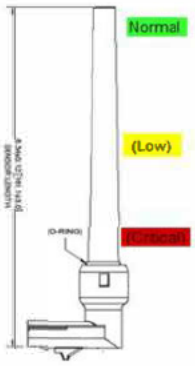
- Drivers are seeing dash warnings indicating low or critically low coolant. The truck can derate as a response to the type of code being received from the low coolant level (LCL) sensor circuit, provided the derate parameter is being used. Dealers see active LCL codes in DiagnosticLink when troubleshooting and coolant level in the surge tank appears to be full. Dealers resolve the issue by replacing the sensor, and or wiring.

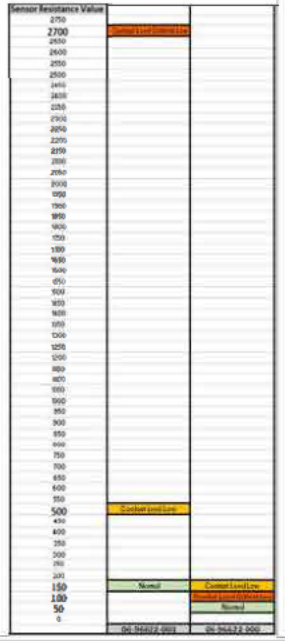
Affected Models / Truck options:

New Cascadia and WST X-Series with CEEA /CEEA+ and HDEP

Responsible Supplier:

- DTNA





Production Containment: ☐ No ☑ Yes

The **release (P64841-01)** replaces the low coolant level (LCL) sensor P/N **06-96622-000 (Black** in color) with P/N **06-96622-001 (Gray** in Color). C/O date is **10/8/2024.**

Field Containment (short term):

- None needed, information only.

Root Cause: ☐ No ☑ Yes

- Tight tolerances used with the LCL sensor P/N **06-96622-000 (Blac** resistance values (50 normal/ [redacted] /150 low) susceptible to fault codes generating when unintended resistance is added to the circuit. LCL sensor P/N **06-96622-001 (Gray** in color) with resistance value (150 normal / 500 Low / 2700 Critical [redacted]) has much more forgiving values, and code progression that warns the driver before shutting the engine down when encountering added resistance in the LCL circuit. This change greatly reduces the chance of unintended coolant level codes being activated.

Long Term Corrective Action Plan: ☐ No ☑ Yes

- Software was released with MY24 under **EWR P56089** C/O **01/08**
- Wiring/ CPC parameters/ Sensor changed **EWR P64841** C/O **10/8/24**

Long Term Field Plan:

- Since parts are **not** interchangeable and no supersession will be in the system, a service Bulletin will be written bringing awareness to the production change. **Affected models built before 10/8/2024 will have the Black LCL sensor P/N 06-96622-000** and **affected models built on or after 10/8/2024 will have the Gray LCL sensor P/N 06-96622-001.**