

Fifth Generation Cascadia Trailer Hand Brake Error:

Problem Details:

- On certain 45X trucks the driver upon startup or during idling may get a “Park Brake Malfunction Service Now” and a Brake Tell Tale. The solution is to do a sleep cycle, and this will clear the faults, and we have not seen a frequent reoccurrence in the same vehicle
- The calibration data received from the ETHC sensor is out of range and missing one bit of the frame, causing the EPBC to send ETHC signal to an error state.
- Hotfix has been installed on summer test trucks is being tested in the 2401 software validation workshop

FSPRs, FRACAS, DPR, Zeus:

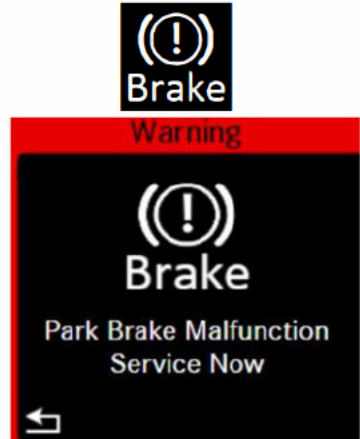
- Found during software vehicle validation RG/PVE

Affected Models / Truck options:

- All Fifth Generation Cascadia units equipped with a trailer hand brake valve option

Responsible Supplier:

- Marquardt



Production Containment:

- Supplier will implement a fix that allows the EBPC to reset the ETHC if a calibration data error is detected. This will allow the issue to self-heal

No Yes

Field Containment (short term):

- Fix as fail

No Yes

Root Cause:

The ETHC is missing a bit of the frame causing the EPBC to go into an error state

No Yes

Long Term Corrective Action Plan:

- Supplier Fix

No Yes

Long Term Field Plan:

- Same as production containment

No Yes