

Problem Details:

- Trucks equipped with Cab Load Disconnect Switch (CLDS)
- In extreme cold temperatures – below -20 degrees C
- If the CLDS is turned off overnight, the BCA contactor *may not* switch on when the CLDS switch is turned on in the morning

FSPRs, FRACAS, DPR, Zeus:

- FSPR 38328, 36749
- FRACAS 13820

Affected Models / Truck options:

- P4 and X Series with CLDS
- Potentially 100,000

Responsible Supplier:

- PKC Group

Problem: Vehicles with BCAs and a CLDS (cab load disconnect switch), are vulnerable to an issue when the vehicle is parked in very low temperatures (<-20C) with the switch left in the OFF position. When the BCA cools sufficiently, it will be unable to actuate back to a energized state when the CLDS is switched to the ON position. This leaves the truck totally unresponsive and unable to power on.

Affected models: P4,47X,49X,57X



Production Containment:

- To be defined (no EWR, FRACAS assigned to Corporate Quality)

No Yes

Field Containment (short term):

- Need clarity on Production Containment
- EWR pending for current production with resistor upgrade until 45X project release

No Yes

No Yes

Root Cause:

- Issue detected at cold chamber during cold start testing but never reported to BCA module owner
- PKC Group was aware of -40 degrees C environmental design requirement and knew design would not reliably switch the contactor in the BCA below -20 degrees C

No Yes

Long Term Corrective Action Plan:

- P66109: change resistor on circuit board, roll BCA part numbers

No Yes

Long Term Field Plan:

- Service Bulletins TSB 54-369 (FTL) and 54-095 (WST) 47/49/57X. Both bulletins contain an exhaustive list of updated crossover part numbers