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Technical Service Bulletin No. 12

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SUBJECT: Fuse Holder Corrosion

This technical service bulletin has been issued to inform customers of a quality issue affecting Kenworth T380 and Peterbilt 537 chassis on Jarco propane bobtail units produced from January 2023 until January 2024.

Description of Problem

The battery box located directly under the driver's side doorsteps of the cab is equipped with a 50A fuse and fuse holder that is connected directly to the battery for constant power. This fuse powers a 70A relay that is used for the safety systems of the truck and is located on the right (rear) side of the battery box. Due to the fitment of the battery box lid from the chassis manufacturers, moisture and debris are able to fall through the space between the battery box lid and side of the battery box body. This may lead to corrosion of the fuse and holder, which may result in failure of the fuse, loss of current flow, and ultimately the inability to operate the truck.

Fuse Replacement and Relocation

Jarco will provide the necessary hardware to replace and relocate the fuse, including a new fuse holder, fuse holder cover, 50A fuse relay, and the hardware to mount the fuse holder.

Tools required:

- 13 mm socket and ratchet
- 3/8" wrench
- Side cutters
- Phillip's and Flat head screwdriver
- Needle nose pliers
- Fuse holder and cover
- 50A fuse relay
- 7/32" drill bit
- Power drill
- Dielectric grease



Figure 1: Current fuse holder location

Steps to replace and relocate fuse:

1. Remove battery box cover by removing rubber tiedowns from the left and right sides of the battery box and pulling outward.
2. Remove red 50A fuse from fuse holder (Fig. 1).
 - a. Needle nose pliers may be needed, as sometimes the fuses fit tightly, but there is no lock or latch that needs to be depressed to remove the fuse.
3. Remove the positive terminal from the battery using a 13 mm socket to ensure there is no power to the truck.
4. Remove zip-ties along the wires leading to the fuse holder.
5. Mark/Label and remove the wires from the bottom of the fuse holder, using a flathead screwdriver.
6. Using a Phillips-head screwdriver, remove the #10 Phillips-head bolt from the fuse holder.
7. Cut any zip ties away that are holding the wires to the battery box.
8. Before drilling in the top right (rear) back plate of the battery box, make sure the space directly behind the plate is open and accessible to avoid damaging any wiring, and to leave room to reinstall the #10 Phillips-head bolt.

9. Drill a new hole for the Phillips head bolt using a 7/32 drill bit on the back plate of the battery box, in the top right (rear) corner (Fig. 2).
10. Relocate fuse holder and reinstall #10 Phillips-head bolt.
11. Reinstall wires to original posts on fuse block holder and apply dielectric grease over connections.
12. Secure any loose wires with zip ties and bundle any excess length of wire with a zip tie, as well.
13. Reconnect the battery terminal using the 13 mm socket.
14. Reinstall the 50A fuse into the fuse holder.
15. Install plastic cover over fuse and fuse holder.
16. Reinstall battery box cover.



Figure 2: New fuse holder location