



ONRD – 00005052020- 26

TECHNICAL SERVICE BULLETIN

Title: Jumper Stud Inspection

Date: May 5, 2020

Vehicles: *KME Custom Chassis' that have remote jumper studs mounted using metallic mounting plates/angles.*

Issue: Some customers are reporting excessive corrosion on the battery jumper studs.

Corrective Action: Inspect jumper studs for corrosion or physical damage, clean studs, terminals and surrounding area. Coat the stud and surrounding area with 738, electrical sealant.

Work Instructions: See Attachment.

Tools Required:

- Common Hand Tools
- Dow-Corning 738 white electrical sealant
- Personal Protective Equipment (Protective Glasses, Gloves, Face Shield, etc.)
- Voltage Meter
- Creeper
- Wire Brush

KME Parts Required: Not Applicable

KME CONTACT: Jim Hauser, Technical Support Manager

TELEPHONE: 570-656-0903

EMAIL: jhauser@kmeffire.com

MAILING ADDRESS: KME Fire Apparatus
Plant #8
One Industrial Complex
Nesquehoning, PA 18240

ATTENTION: Mr. Jim Hauser

WORK INSTRUCTIONS

NOTE: If the jumper stud connections have already been coated with any other corrosion preventative, that coating must be removed, and the surfaces cleaned prior to applying the electrical sealant described in this bulletin.

NOTE: Technician is responsible for following this procedure to verify that the battery jumper studs have been inspected and properly sealed.

1. Ensure appropriate PPE is provided and worn before performing steps in this bulletin.
2. Ensure the wheels are chocked and the vehicle is parked in a safe location.
3. Ensure that the Master Switch is OFF inside the Cab.
4. Disconnect both positive and negative jumper stud cables from the battery post.



5. Verify with a voltmeter there is no voltage across the jumper studs.

WORK INSTRUCTIONS **(CONTINUED)**

6. Remove the mounting bracket from the battery box to gain access to the back of the studs.
7. Inspect studs for corrosion or physical damage.
8. Remove terminals from both the positive and negative studs.
9. Clean the contact surface of the stud and the surrounding area. (Use a wire brush.)
10. Clean the contact surfaces of the positive and negative cable terminals. (Use a wire brush.)
11. Reconnect positive and negative cable terminals to the studs.
12. Coat the stud and surrounding area with 738, electrical sealant.

NOTE: The sealant must go inside the gap between the metal stud and the metal cable mounting ring on cable terminals, top and bottom. See photos on next page of this bulletin.



WORK INSTRUCTIONS **(CONTINUED)**



13. Reinstall the mounting bracket to the battery box.
14. Reconnect the jumper stud positive cable to the positive battery post.
15. Reconnect the jumper stud negative cable to the negative battery post.
16. Verify with a voltmeter that there is battery power across the jumper.
17. When the work is finished, contact KME. See KME Contact on first page of the bulletin.