

XOS Technical Service Bulletin

Bulletin No.: TSB 004-24

Date: 1/10/24

Subject: Applying Dielectric Grease on DC-DC studs

Applicability: All 2021-2022 Xos SV05 Trucks

Service Category: High Voltage System

Section: High Voltage Battery Packs

Market: USA and Canada

Introduction:

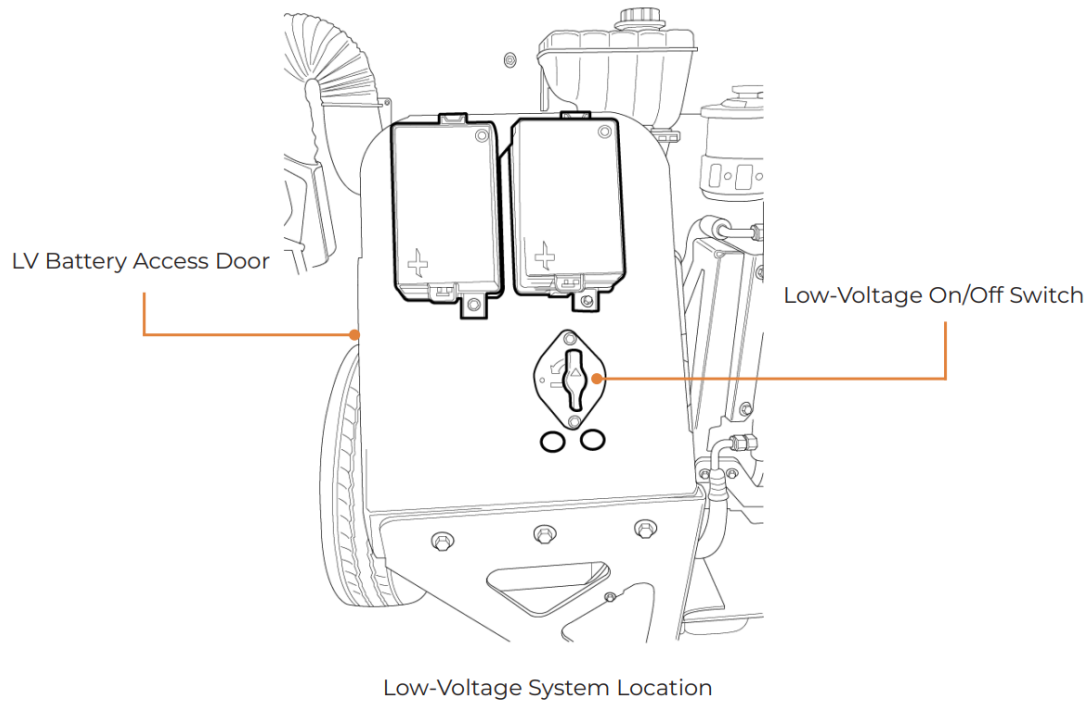
In the event that any of the 2021-2022 Xos Step Vans show signs of corrosion on the connections in the DC-DC converter box, please refer to the following service instructions.

Vehicle Applicability:

Model Year	Model	Body Application
2021 - 2022	All Step Van Models	Step Van & Armored Truck

Safety

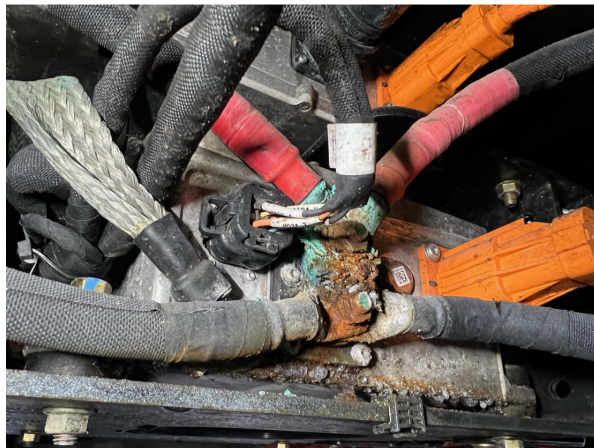
Before work is started ensure that 1) the ignition switch is off; and 2). the low voltage disconnect switch is in the off position.



Inspect DC-DC LV connections for corrosion buildup. If corrosion is present then the lug terminals and the studs must be cleaned first.

Procedure for Corrosion-Cleaning:

1. Remove nuts and lugs off the stud.
2. Spray the lugs and the DC-DC studs with corrosion cleaner and clean with a wire brush.





3. After cleaning with a wire brush, rinse with clean water and dry with a paper towel and compressed air.
4. Inspect the lugs and studs for damage. Make sure the threads on the studs are clean and present.
5. Lugs must not be corroded through, if there is significant loss of material on the lugs then the cable must be replaced.
6. All nuts should be replaced with new nuts no matter the level of corrosion.
7. If lugs and studs are in good shape proceed to installing dielectric grease.

Procedure for Dielectric Grease Application:

1. Remove cables if they are installed.
2. Apply a small amount of grease on the mating surface of the output studs.



3. Dip the cable end into a cap full of grease and spread the grease on all sides of the exposed lug terminal.



4. Install the cables back on the stud and install a new flanged nut. HD30-HH-M0041 and torque to specified torque from work build instructions.
5. Apply grease on top of the nut and stud and make sure there are no breaks in the coverage between the lug and stud.

