

November 18, 2024

**Re: Motiv Technical Bulletin for the following recall notices**

- 24v781 - Connector Retention (Non School Bus)
- 24v782 - Connector Retention (School bus)
- 2024-627 - Connector Retention Transport Canada)

**RECALL INFORMATION**

Motiv Power Systems, Inc. has determined that on certain vehicles converted to a Motiv EPIC4 E-450 electric powertrain, a 12-volt power wire connection point could loosen over time, potentially resulting in loss of connection and loss of 12-volt control power to the High Voltage batteries. This, in turn could result in a loss of vehicle propulsion. Motiv has not received any complaints or reports of vehicle crashes because of this issue; therefore, Motiv considers this as a proactive measure to protect the public and Motiv's customers from the potential risk associated with this defect.

To ensure that these vehicles meet Motiv's stringent quality requirements, follow the instructions outlined below to inspect all potentially affected vehicles and correct or replace any 12-volt control wires showing signs of fatigue, cracking, or improper retention or protection.

**VEHICLES AFFECTED**

Ford E-450 Motiv Gen 5 EPIC4 produced between 1/1/2021 and 9/30/2024

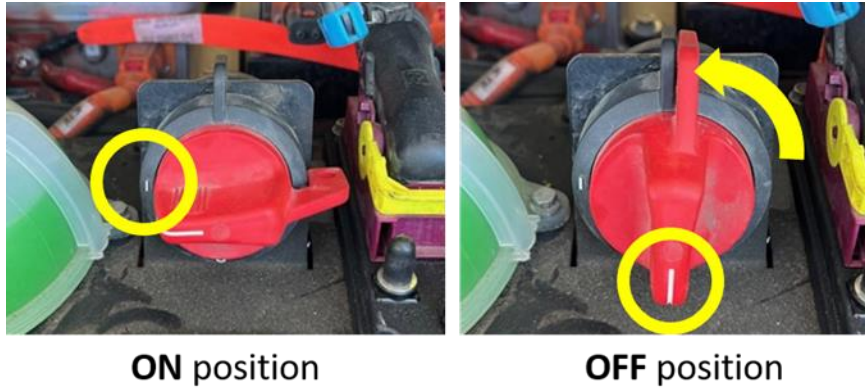
**VEHICLE QUANTITY**

There are 122 vehicles affected by this recall (65 U.S, 57 Canada).

**PROPRIETARY AND CONFIDENTIAL**

## REPAIR INSTRUCTIONS

1. Locate the master disconnect switch under the hood.
2. Turn the mater disconnect switch to the OFF position and wait for five (5) minutes for the vehicle to completely de-energize.

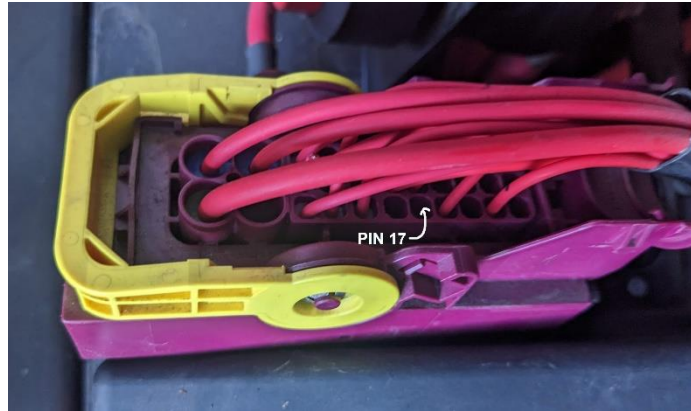


3. Disconnect the positive lead to the 12v battery.
4. Remove 3.6mm Radlok cable. It's the smaller Radlok cable that goes from the Wurth fuse box to the DC-DC. Completely remove it from the truck. Cover the now exposed Radlok pin with heat shrink.



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5. Install new “unswitched” power cable for fuse box – P/N 840-115034-024. Unplug P75 (purple leavyseal) from Wurth fuse box. Remove back shell. Remove clear plug from position 17 on P75. Disengage yellow TPA on P75. Insert MCP 2.8 end of new power cable into position 17. Reengage yellow TPA. Reinstall back shell.

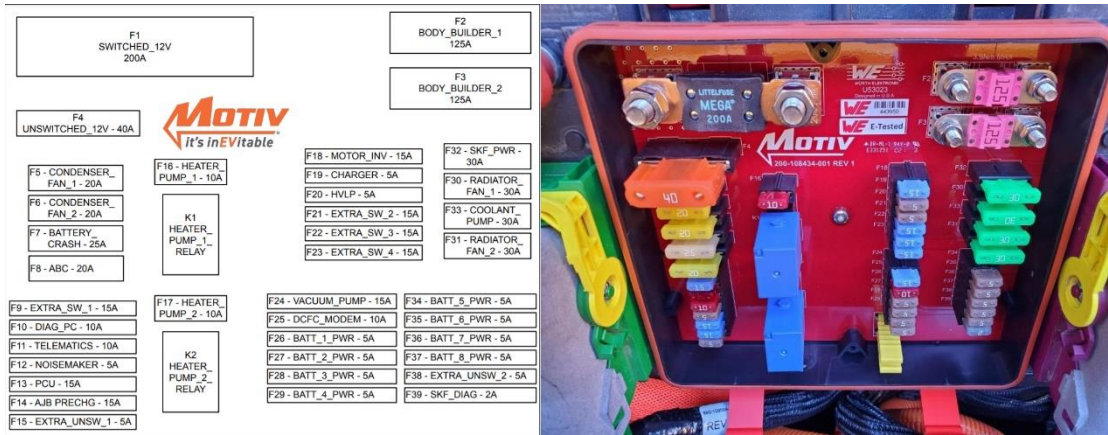


6. Install M8 ring terminal end of new power cable on the positive terminal of the 12V DC-DC – tighten to 13 ft/lbs. Use zip ties to secure power cable to existing harnesses.



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7. Inspect Wurth Box Fuses on locations for Battery 1, 2, 7 and 8 to make sure those are not blown.



8. Reinstall the positive lead to the 12V battery.

9. Turn on red switch.

10. Turn on key.

11. Test drive vehicle.