



U.S. Department of Transportation  
**National Highway Traffic Safety  
Administration**

1200 New Jersey Avenue SE  
Washington, DC 20590

March 7, 2025

Jeff Garber  
Consultant  
Motiv Power Systems  
330 Hatch Drive  
Foster City, CA 94404

NEF-107SS  
25V-138

**Subject:** Loss of Drive Power

Dear Jeff Garber:

This letter serves to acknowledge Motiv Power Systems's notification to the National Highway Traffic Safety Administration (NHTSA) of a safety recall which will be conducted pursuant to Federal law for the product(s) listed below. Please review the following information to ensure that it conforms to your records as this information is being made available to the public. If the information does not agree with your records, please contact us immediately to discuss your concerns.

**Makes/Models/Model Years:**

MOTIV/EPIC4 E450 BEV SCHOOL BUS/2017-2023  
MOTIV/F-53 SCHOOL BUS/2020-2023  
MOTIV/F-59 SCHOOL BUS/2017-2023

**Mfr's Report Date:** March 3, 2025

**NHTSA Campaign Number:** 25V-138

**Components:**

ELECTRICAL SYSTEM:WIRING  
VEHICLE SPEED CONTROL:THROTTLE:THROTTLE POSITION SENSOR (TPS)

**Potential Number of Units Affected:** 40

**Problem Description:**

Motiv Power Systems, Inc. (Motiv) is recalling certain 2017-2020 E-450 and F-59 school buses with Gen 4 EPIC powertrain, and 2020-2023 E-450, F-59, and F-53 school buses with a Gen 5 EPIC powertrain. A throttle position sensor (TPS) power wire connector pin may loosen, causing a loss of signal to the powertrain control module and a loss of drive power.

**Consequence:**

Loss of drive power increases the risk of a crash.

**Remedy:**

Motiv field support technicians will inspect and repair, or replace the PCM connector, free of charge. Owner notification letters are expected to be mailed May 1, 2025. Owners may contact Motiv customer service at 1-650-458-4804.

**Notes:**

Owners may also contact the National Highway Traffic Safety Administration Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-888-275-9171), or go to [www.safercar.gov](http://www.safercar.gov).



Please be reminded of the following requirements:

You are required to submit a draft owner notification letter to this office no less than five days prior to mailing it to the customers. Also, copies of all notices, bulletins, dealer notifications, and other communications that relate to this recall, including a copy of the final owner notification letter and any subsequent owner follow-up notification letter(s), are required to be submitted to this office no later than 5 days after they are originally sent (if they are sent to more than one manufacturer, distributor, dealer, or purchaser/owner).

Please be reminded that under 49 U.S.C. § 30112(a)(3), it is illegal for a manufacturer, to sell, offer for sale, import, or introduce or deliver into interstate commerce, a motor vehicle or item of motor vehicle equipment that contains a safety defect once the manufacturer has notified NHTSA about that safety defect. This prohibition does not apply once the motor vehicle or motor vehicle equipment has been remedied according to the manufacturer's instructions.

As stated in 49 U.S.C. § 30118(f), submission of eight consecutive quarterly reports followed by three annual reports is required. As described in 573.7, submission of the first of eight consecutive quarterly status reports is required within one month after the close of the calendar quarter in which notification to purchasers occurs. Therefore, the first quarterly report will be due on, or before, 30 days after the close of the calendar quarter. The first of three consecutive annual status reports will be due on, or before, 1 year after the eighth quarterly report was submitted.

Motiv Power Systems's contact for this recall will be Sarah Shiver who may be reached by email at [sarah.shiver@dot.gov](mailto:sarah.shiver@dot.gov). We look forward to working with you.

Sincerely,



Alex Ansley  
Chief, Recall Management Division  
Office of Defects Investigation  
Enforcement