



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

1200 New Jersey Avenue SE
Washington, DC 20590

June 23, 2020

Mr. Timothy Nalepka
Vice President and General Counsel
Motor Coach Industries
200 E. Oakton Street
Des Plaines, IL 60018

NEF-150MR
20V-352

Subject: Overvoltage Alternator May Cause Engine Shutdown

Dear Mr. Nalepka:

This letter serves to acknowledge Motor Coach Industries'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:

MCI/D4000/2018-2020
MCI/D4005/2018-2020
MCI/D45 CRT LE/2018-2020
MCI/D4500/2018-2020
MCI/D4505/2018-2020

Mfr's Report Date: June 12, 2020

NHTSA Campaign Number: 20V-352

Components:

ELECTRICAL SYSTEM:ALTERNATOR/GENERATOR/REGULATOR

Potential Number of Units Affected: 918

Problem Description:

Motor Coach Industries (MCI) is recalling certain 2018-2020 D4000, D4005, D4500, D4505 and D45CRTLE buses manufactured with electric cooling fans (E-fan) for the radiator and charge air cooler, Borg Warner 55SI model dual alternator configuration (with a sense stud and wire), and Parker Vansco Multiplexing Module (VMM) Multiplex system. A build-up of debris, corrosion, and/or water flow could cause a high resistance path to ground for the sense stud on the back of the alternator and cause the alternator to produce excessive voltage output, which may exceed the threshold limit currently programmed in the VMM and result in a loss of engine power and vehicle shutdown.

Consequence:

If the engine shuts down or loses power while the vehicle is in motion, this may increase the risk of a crash.

Remedy:

MCI will notify the affected owners, and dealers will install a new application code in the Parker VMM multiplex modules increasing the overvoltage threshold limit, free of charge. The recall is expected to begin July 10, 2020. Owners may contact MCI customer service at 1-800-241-2947. MCI's number for this recall is SB 479.

Notes:

Owners may also contact the National Highway Traffic Safety Administration Vehicle Safety Hotline at 1-888-327-4236 (TTY 1-800-424-9153), or go to www.safercar.gov.

Please be reminded of the following requirements:

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.

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).

As stated in Part 573.7, submission of the first of six 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.

Your contact for this recall will be Michelle Rice who may be reached by phone at (202) 366-1060, or by email at michelle.rice@dot.gov. We look forward to working with you.

Sincerely,



Joshua Neff
Chief, Recall Management Division
Office of Defects Investigations
Enforcement