



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

1200 New Jersey Avenue SE
Washington, DC 20590

July 14, 2023

Mr. Cory Hoffman
General Manager
Toyota Motor Engineering & Manufacturing
19001 South Western Ave
Torrance, CA 90501

NEF-107DR
23V-478

Subject: DC-DC Converter May Fail and Short Circuit

Dear Mr. Hoffman:

This letter serves to acknowledge Toyota Motor Engineering & Manufacturing'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:

LEXUS/NX450H+/2022
TOYOTA/RAV4 PRIME/2021-2022

Mfr's Report Date: July 12, 2023

NHTSA Campaign Number: 23V-478

Components:

ELECTRICAL SYSTEM:PROPULSION SYSTEM:DC/DC CONVERTER

Potential Number of Units Affected: 43,442

Problem Description:

Toyota Motor Engineering & Manufacturing (Toyota) is recalling certain 2021-2022 RAV4 Prime and 2022 Lexus NX450h+ plug-in hybrid electric (PHEV) vehicles. The electric current rectifying module contained within the DC-DC converter may have been damaged during production, which can result in an electrical short-circuit.

Consequence:

A short circuit can cause the DC-DC converter to overheat, increasing the risk of a vehicle fire.

Remedy:

Owners are advised not to charge their vehicles when the ambient air temperature is below or expected to drop below 41 degrees Fahrenheit (5 degrees Celsius). Dealers will replace the DC-DC converter, free of charge. Owner notification letters are expected to be mailed August 7, 2023. Owners may contact Toyota's customer service at 1-800-331-4331. Toyota's number for this recall is 23TB07/23LB01.

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.nhtsa.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.

Toyota Motor Engineering & Manufacturing's contact for this recall will be Darishea Rollins who may be reached by email at darishea.rollins@dot.gov. We look forward to working with you.

Sincerely,



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