

# Part 573 Safety Recall Report

# 23V-734

**Manufacturer Name :** Toyota Motor Engineering & Manufacturing**Submission Date :** JUL 16, 2024**NHTSA Recall No. :** 23V-734**Manufacturer Recall No. :** 23TB13 / 23TA13**Manufacturer Information :**

**Manufacturer Name :** Toyota Motor Engineering & Manufacturing

**Address :** 6565 Headquarters Drive

Plano TX 75024

**Company phone :** 1-800-331-4331

**Population :**

**Number of potentially involved :** 1,853,568

**Estimated percentage with defect :** 1 %

**Vehicle Information :**

**Vehicle 1 :** 2013-2018 Toyota RAV4

**Vehicle Type :**

**Body Style :**

**Power Train :** NR

**Descriptive Information :** Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S.

This issue only affects 2013-2018MY RAV4 vehicles utilizing a specific battery hold-down assembly and battery tray described in Section 5 below. Other Toyota or Lexus vehicles sold in the U.S. are equipped with a different design of the battery hold down assembly and battery tray.

Unknown. Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether movement of the battery occurs that will lead to contact between the positive terminal and the hold down bracket depends, in each case, on the variation in force produced on the battery while driving, the installation torque of the battery hold down assembly, the location of installation within the battery tray of the battery, and the top case dimensions of the replacement battery. However, as the NHTSA manufacturer portal requires an integer value be entered, Toyota has entered the value "1" in response to this question in the portal. For the purpose of this report, "1" means "unknown".

**Production Dates :** NOV 23, 2012 - NOV 14, 2018

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

**Description of Defect :**

Description of the Defect : SAE Group 35 is the specified 12-volt battery size for the subject vehicles. The battery is installed, in accordance with a process containing torque specifications for certain components, on a tray in the engine compartment, and is held in place by a hold down assembly. During driving that produces high levels of lateral G-force and where the battery has not been secured with the correct torque specified in the installation process, the battery hold down assembly may not sufficiently hold in place certain aftermarket SAE Group 35 batteries. These aftermarket batteries have a smaller top case dimension compared to the overall dimension of the battery. An oversized tray, together with reduced clamping force (resulting from using incorrect torque), can allow battery movement that is greater than the distance between the battery positive terminal and the bracket of the hold down assembly. This movement is possible for these batteries even if all parts of the battery hold down assembly are present. In this condition, a short circuit could occur, generating heat. If sufficient heat is generated, components within and around the battery can sustain thermal damage, increasing the risk of a fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In this condition, a short circuit could occur, generating heat. If sufficient heat is generated, components within and around the battery can sustain thermal damage, increasing the risk of a fire.

Description of the Cause : NR

Identification of Any Warning  
that can Occur : NR

**Involved Components :**

Component Name 1 : Clamp Sub-Assy, Battery

Component Description : Battery Clamp Sub-Assembly

Component Part Number : 74404-0R030

Component Name 2 : Clamp Sub-Assy, Battery

Component Description : Battery Clamp Sub-Assembly

Component Part Number : 74404-42190

Component Name 3 : Tray, Battery

Component Description : Battery Tray

Component Part Number : 74431-0R040

Component Name 4 : Tray, Battery

Component Description : Battery Tray

Component Part Number : 74431-42120

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

Please see the attached Part 573 Defect Information Report for the full chronology.

## Description of Remedy :

Description of Remedy Program : All known owners of the subject vehicles will be notified to return their vehicles to a Toyota dealer. For all involved vehicles, Toyota dealers will replace the battery clamp sub-assembly, battery tray, and positive terminal cover with improved ones at no cost to owners. The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Toyota's General Reimbursement Plan.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

**Recall Schedule :**

Description of Recall Schedule : Notifications to owners of the affected vehicles will occur by December 31, 2023. A copy of the draft owner notification will be submitted as soon as it is available. Notifications to distributors/dealers will be sent on November 1, 2023. Copies of dealer communications will be submitted as they are issued. Mailing of remedy letters to owners is planning to begin in September 2024, as remedy parts become available.

Planned Dealer Notification Date : NOV 01, 2023 - NOV 01, 2023

Planned Owner Notification Date : DEC 17, 2023 - DEC 31, 2023

\* NR - Not Reported