

# Part 573 Safety Recall Report

# 19V-410

**Manufacturer Name :** Braun Corporation

**Submission Date :** JUN 04, 2019

**NHTSA Recall No. :** 19V-410

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** Braun Corporation

**Address :** 631 West 11 Street

Winamac IN 46996

**Company phone :** 574-946-6153

## Population :

**Number of potentially involved :** 705

**Estimated percentage with defect :** 65 %

## Vehicle Information :

**Vehicle 1 :** 2014-2019 Toyota Sienna

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** VAN

**Power Train :** GAS

**Descriptive Information :** Braun was informed by its brake line supplier, Transfer Flow Inc. (TFI), that TFI had mistakenly utilized SAE tube nuts in lieu of metric tube nuts on certain of its brake lines manufactured for Braun. Reference TFI's NHTSA ID 19E035.

Based on the information provide by TFI, Braun has determined that certain of its Wheelchair Accessible Vehicle (WAV) conversions contain the affected brake lines, while others may not.

Approximately 705 Toyota Sienna WAV's manufactured between the production dates may contain the mistakenly manufactured brake lines.

**Production Dates :** JAN 09, 2018 - MAY 20, 2019

**VIN Range 1 : Begin :** NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** Brake line extensions manufactured by TFI for use on Braun WAV conversions were assembled using SAE 3/8-24 tube nuts, when the tube nuts should have been metric size M10 x 1.0.

The SAE and metric threads forms of these sizes are very similar and consequently, the male SAE thread may be mistakenly assembled to a female metric fitting.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the mismatched SAE male tube nut is assembled to the metric female fitting,

**Description of the Safety Risk :** it may not be possible to achieve the correct assembly torque, and the union may develop a brake fluid leak causing potential braking degradation, which could lead to an accident causing injury.

**Description of the Cause :** Incorrect application of an SAE tube nut in lieu of a similarly sized metric tube nut.

**Identification of Any Warning that can Occur :** Over time, the brake fluid leak may cause low brake system pressure and an ABS warning light may illuminate.

## Supplier Identification :

### Component Manufacturer

**Name :** Transfer Flow Inc.  
**Address :** 1444 Fortress Street  
Chico CALIFORNIA 95973  
**Country :** United States

## Chronology :

Reference NHTSA ID 19E035 by Transfer Flow Inc. Braun was notified by Transfer Flow, circa May 13, 2019, that TFI had identified a manufacturing defect involving the use of SAE tube nuts in lieu of metric tube nuts on certain brake line extensions TFI manufactured for Braun.

Braun initiated an internal investigation and corrected its production on May 15, 2019. Testing conducted by Braun during the week of May 20th indicated that simply tightening the mismatched SAE tube nut into the metric fitting could not achieve the desired torques required to ensure a proper seal of the brake lines. Consequently, Braun conducted additional testing using an adapter fitting sourced from a local NAPA dealer. This fitting was purported to be similar to TFI's proposed remedy, and is designed to properly interface between the SAE tube nut and the metric fitting. The testing showed that TFI's adapter fitting solution would be effective in being able to achieve proper tightening torque, and thereby create an effective seal.

Braun received a copy of TFI's Part 573 report on May 24th, and is submitting its own report pursuant to completion of internal testing to validate TFI's proposed remedy.

## Description of Remedy :

**Description of Remedy Program :** The remedy will be to alert 34 dealers with 39 affected vehicles, to Stop Sale until the remedy is made. The remainder of customers/end users will be notified, pursuant to this recall program, to arrange for an inspection of their vehicle, where upon a no-cost remedy will be supplied and implemented if necessary.

**How Remedy Component Differs** The remedy component will be an adapter fitting to interface between the

from Recalled Component : male SAE tube nut and the female metric fitting. No component will be removed from the affected vehicle, although bleeding the brake system will be required on those vehicles requiring the remedy.

Identify How/When Recall Condition was Corrected in Production : The recall condition was identified by TFI circa May 13, 2019. Braun corrected its production on May 15, 2019 by sourcing correct metric tube nuts and replacing TFI's incorrectly supplied SAE tube nuts.

### Recall Schedule :

Description of Recall Schedule : Braun plans a Stop Sale notification to 34 dealers with current inventory of affected vehicles on June 4, 2019. Braun will notify customers/end users as soon as NHTSA reviews/approves Braun's communications. Recall communications will be conveyed to NHTSA during the week of June 3, 2019, and communication to customers/end users are tentatively scheduled to begin as anticipated in this section.

Planned Dealer Notification Date : JUN 04, 2019 - JUN 21, 2019

Planned Owner Notification Date : JUN 17, 2019 - JUN 21, 2019

\* NR - Not Reported