



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V481

Manufacturer Name: Tiffin Motorhomes, Inc.

Submission Date: Jul 23, 2025

NHTSA Recall No.: 25V481

Manufacturer Recall No.: TIF-145

Manufacturer Information

Population

Manufacturer Name: Tiffin Motorhomes, Inc.

Address: 105 2nd Street NW
PO Box 596
Red Bay AL, 35582

Total number of potentially involved: 418

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2024-2024 TIFFIN CONVOY

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jul 13, 2023 - Oct 17, 2023

Number of potentially involved: 1

Descriptive Information:

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

Vehicle 2: 2023-2023 TIFFIN GH1

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Sep 28, 2023 - Oct 09, 2023

Number of potentially involved: 2

Descriptive Information:

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

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25V481**Vehicle 3:** 2026-2026 TIFFIN GH2**Product Category:** Light Vehicles**Product Type:** Multipurpose Passenger Vehicle**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Mar 31, 2025 - Jul 17, 2025**Number of potentially involved:** 3**Descriptive Information:**

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

Vehicle 4: 2025-2025 TIFFIN GT1**Product Category:** Light Vehicles**Product Type:** Multipurpose Passenger Vehicle**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jun 21, 2024 - Jul 17, 2025**Number of potentially involved:** 22**Descriptive Information:**

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

Vehicle 5: 2026-2026 TIFFIN GH1**Product Category:** Light Vehicles**Product Type:** Multipurpose Passenger Vehicle**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Mar 24, 2025 - Jul 17, 2025**Number of potentially involved:** 40**Descriptive Information:**

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

Vehicle 6: 2025-2025 TIFFIN GH1

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Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Mar 11, 2024 - Mar 21, 2025

Number of potentially involved: 349

Descriptive Information:

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

Vehicle 7: 2024-2024 TIFFIN GH1

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Nov 27, 2023 - Jan 05, 2024

Number of potentially involved: 1

Descriptive Information:

The recall population includes all Convoy, Tiffin GH1, Tiffin GH2 and Tiffin GT1 Motorhomes built on a model year 2023, 2024 or 2025 Mercedes Benz chassis equipped with a 2 liter engine, built on by Tiffin Motorhomes between July 13, 2023 and July 16, 2025.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Engine stall due to secondary alternator programming.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

An engine stall may cause a crash.

Description of the cause:

The secondary alternator controller programming was not updated from when Mercedes Benz switched from the 3.0L V6 engine from model year 2022 chassis to the 2.0L 4 cylinder engine in model year 2023 and current Mercedes Benz chassis. In conditions where the charge on the batteries is low, the

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secondary alternator can activate to charge the batteries while the engine may be in a low idle state which can cause the engine to stall. The Mercedes Benz Upfitter guidelines also state that the secondary alternator should not activate if the engine is at or below 1200 RPM.

Identification of any warning that can occur:

There is no warning that will occur.

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Nations Starter & Alternator

Address: 2210 Broadway
Cape Girardeau MO, 63701

Country: United States

Involved Components

Component Name 1: Regulator Wakespeed Nations

Component Description: Alternator Regulator

Component Part Number: Tiffin part number 5149451

Component Name 2: Alternator for Mercedes Sprinter 2.0 4cyl

Component Description: Secondary Alternator for Mercedes Sprinter 2.0 4cyl

Component Part Number: Tiffin part number 5168156

Chronology

5/20/2025: During the May Tiffin Safety Committee meeting the Class B engineering team introduced a new issue related to a dealer having issues with loss of power. Compliance begins investigation.

6/5/2025: Compliance meets with Class B Operations and Service teams regarding the possibility of the Wakespeed controller settings are too high and needs to be reprogrammed to activate the alternator when the battery charge drops to 90%.

6/18/2025: Further investigation of motorhomes in the field.

6/23/2025 Communication with Nations Alternators and Mercedes Benz.

6/26/2025: Communication from Mercedes Benz indicating that the Mercedes Benz upfitters guide (revised Fall 2024) states that there is to be no transfer of power from the engine while the engine is

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running below 1200 RPMs.

6/27/2025: Communication with Nations Alternator regarding Mercedes Benz's statement.

6/28/2025 - 7/6/2025: Tiffin Motor Homes is closed.

7/16/2025 - July Tiffin Safety Committee meeting - Confirmation that the alternator is activating at idle if battery charge is low which is causing the loss of throttle and stalling at idle because it is pulling power away from the engine. Tiffin Safety Committee voted to recall.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Repair

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Tiffin Motorhomes will install a wiring harness and update the programming of the motorhome and the secondary alternator controller to allow the controller to know the RPMs of the engine so it will not charge at idle or below 1200 RPMs. For units still in production at Tiffin and in production, a new alternator with this wiring already installed will be used. In the field, a wiring harness will be used to connect the Mercedes PSM to the controller. For both units in production and units in the field, the programming will be updated as well.

How remedy component differs from recalled component:

The remedied components will have wiring installed and updated programming to allow the secondary alternator controller to know the RPM's of the chassis engine to prevent charging at an idle or low speed state preventing an engine stall.

Identify how/when recall condition was corrected in production:

We are in the process of changing the alternators for all units in production and updating the programming. Engineering change notifications will be issued when the correct parts are at Tiffin and new part numbers issued so they can be added to the motorhome components list. We have also contacted Mercedes and are in the process of verifying that we have the correct programming to update the chassis.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

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Tiffin Motorhomes will mail letters to customers and dealers that are in possession of the involved motorhomes explaining the issue and asking them to take the motorhome to a dealer or a service center so the controller can be reprogrammed. This will be done at no cost to the owner.

Planned Dealer Notification Date: Sep 19, 2025 - Sep 19, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: ☐ No Owners

Planned Remedy Owner Notification Date: Sep 19, 2025 - Sep 19, 2025 ☐ Phased Recall

Date when VIN will be searchable: