

Part 573 Safety Recall Report

23V-406

Manufacturer Name : Tiffin Motorhomes, Inc.**Submission Date :** JUN 05, 2023**NHTSA Recall No. :** 23V-406**Manufacturer Recall No. :** TIF-131**Manufacturer Information :**

Manufacturer Name : Tiffin Motorhomes, Inc.
Address : 105 2nd Street NW
 PO Box 596 Red Bay AL 35582
Company phone : 999

Population :

Number of potentially involved : 450
Estimated percentage with defect : 50 %

Vehicle Information :**Vehicle 1 :** 2022-2023 TIFFIN PHAETON**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** DIESEL

Descriptive Information : PowerGlide chassis controller, IFM brand. In review of manufacturing records, Tiffin Motorhomes started using an additional brand of chassis controller, IFM brand, due to supply chain shortages on 05/02/2022 so the population will include all Phaetons, Allegro Buses and Zephyrs built on PowerGlide Chassis between 05/02/2022 and 05/22/2023. Tiffin Motorhomes has identified 450 chassis located in the United States that could contain this controller. All PowerGlide chassis built during this period are involved, the chassis controller would need to be inspected to confirm if it is the recalled component or not.

Production Dates : MAY 02, 2022 - MAY 22, 2023**VIN Range 1 :** Begin : 5VBBA27A0PA122871 End : 5VBZA89AXPA123184 Not sequential**Vehicle 2 :** 2022-2023 TIFFIN ALLEGRO BUS**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** DIESEL

Descriptive Information : PowerGlide chassis controller, IFM brand. In review of manufacturing records, Tiffin Motorhomes started using an additional brand of chassis controller, IFM brand, due to supply chain shortages on 05/02/2022 so the population will include all Phaetons, Allegro Buses and Zephyrs built on PowerGlide Chassis between 05/02/2022 and 05/22/2023. Tiffin Motorhomes has identified 450 chassis located in the United States that could contain this controller. All PowerGlide chassis built during this period are involved, the chassis controller would need to be inspected to confirm if it is the recalled component or not.

Production Dates : MAY 02, 2022 - MAY 22, 2023**VIN Range 1 :** Begin : 5VBBA27A0PA122871 End : 5VBZA89AXPA123184 Not sequential

Vehicle 3 : 2022-2023 TIFFIN ZEPHYR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : PowerGlide chassis controller, IFM brand. In review of manufacturing records, Tiffin Motorhomes started using an additional brand of chassis controller, IFM brand, due to supply chain shortages on 05/02/2022 so the population will include all Phaetons, Allegro Buses and Zephyrs built on PowerGlide Chassis between 05/02/2022 and 05/22/2023. Tiffin Motorhomes has identified 450 chassis located in the United States that could contain this controller. All PowerGlide chassis built during this period are involved, the chassis controller would need to be inspected to confirm if it is the recalled component or not.

Production Dates : MAY 02, 2022 - MAY 22, 2023

VIN Range 1 : Begin : 5VBBA27A0PA122871 **End :** 5VBZA89AXPA123184 Not sequential

Description of Defect :

Description of the Defect : PowerGlide chassis controller, IFM brand. In the event of an a/c compressor failure, the current draw spike from the compressor will blow the fuse protecting the circuit. The fuse also supplies the ignition power circuit causing a loss of ignition power to the chassis when the fuse is blown.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of all power to chassis, engine stoppage, which could lead to an increased risk of crash.

Description of the Cause : Lack of circuit protection in the event of an a/c compressor failure.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : MODULE MULTI PLEX IFM

Component Description : CHASSIS CONTROL MODULE

Component Part Number : CR0033

Supplier Identification :**Component Manufacturer**

Name : IFM EFFECTOR, INC
Address : PO BOX 8538-307
PHILADELPHIA Pennsylvania 19171-0307
Country : United States

Chronology :

04/30/2023 there was a field complaint reported to the chassis service department about a of loss of chassis power. Tiffin field service technicians and chassis engineering began to investigate and determined the dash A/C compressor had failed and that the dash A/C compressor and the ignition switch power were wired on the same circuit block. 5/30/2023 Issue was brought before the safety committee, and they voted to issue a recall.

Description of Remedy :

Description of Remedy Program : All field units involved in the recall will be inspected to verify which brand of chassis controller is installed. If a chassis has the IFM controller, a harness with an inline fuse will be installed into the wiring harness for the A/C compressor so that in the event of a failure of the A/C compressor, the inline fuse will blow and the power to the ignition switch will not be lost. Letters will be mailed to all owners and dealers with involved units notifying them of a recall.

The repair will be completed at no charge to the owner. There is no plan for reimbursement because any failures would have been covered under Tiffin's PowerGlide chassis warranty.

How Remedy Component Differs from Recalled Component : In the field, a jumper harness with the inline fuse will be installed at the chassis controller. In production, a programming change will be applied to separate the circuit for the A/C compressor and the ignition switch.

Identify How/When Recall Condition was Corrected in Production : As of 05/22/2023, an engineering change notification was issued to provide a controller programming change to separate the A/C compressor from the ignition power supply.

Recall Schedule :

Description of Recall Schedule : Tiffin Motorhomes will mail letters to customers and dealers that are in possession of the involved coaches explaining the issue and asking them to take the motorhome to a dealer or service center for inspection and replacement, if needed, at no cost to the owner.

Planned Dealer Notification Date : AUG 04, 2023 - AUG 04, 2023

Planned Owner Notification Date : AUG 04, 2023 - AUG 04, 2023

* NR - Not Reported