

Part 573 Safety Recall Report

19V-609

Manufacturer Name : Thor Motor Coach

Submission Date : SEP 30, 2019

NHTSA Recall No. : 19V-609

Manufacturer Recall No. : RC000172



Manufacturer Information :

Population :

Manufacturer Name : Thor Motor Coach

Number of potentially involved : 1,941

Address : PO Box 1486

Estimated percentage with defect : 100 %

701 County Road 15 Elkhart IN 46515

Company phone : 877-500-1020

Vehicle Information :

Vehicle 1 : 2020-2020 Four Winds 22B, 22E, 23U, 24F, 25V, 26B, 27R, 28A, 28E, 28Z, 30D, 31E, 31W, 31Y

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/ BIR and attached battery cables.

-424 Four Winds units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FSXKDC25579 **End :** 1FDWE3FS5KDC31862 **Not sequential**

Vehicle 2 : 2020-2020 Chateau 22B, 22E, 23U, 24F, 25V, 26B, 27R, 28A, 28E, 28Z, 30D, 31B, 31E, 31W, 31Y

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/ BIR and attached battery cables.

-320 Chateau units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FS4KDC05599 End : 1FDXE4FS0KDC29060 Not sequential

Vehicle 3 : 2020-2020 Daybreak 22DB, 22GO, 26DB, 30DB

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/ BIR and attached battery cables.

-94 Daybreak units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FSXKDC25579 End : 1FDWE3FS5KDC31862 Not sequential

Vehicle 4 : 2020-2020 Quantum GR22, JM31, KW29, LF31, PD31, RC25, RS26, RW28, WS31

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/ BIR and attached battery cables.

-221 Quantum units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FSXKDC25579 End : 1FDWE3FS5KDC31862 Not sequential

Vehicle 5 : 2020-2020 Freedom Elite 28FE, 30FE, 23H, 22FE, 22HE, 24HE, 26HE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/

BIR and attached battery cables.

-619 Freedom Elite units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FSXKDC25579 End : 1FDWE3FS5KDC31862 Not sequential

Vehicle 6 : 2020-2020 Outlaw 29J, 29S

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/BIR and attached battery cables.

-62 Outlaw units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FSXKDC25579 End : 1FDWE3FS5KDC31862 Not sequential

Vehicle 7 : 2020-2020 Majestic 19G, 23A, 28A

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -It has been discovered that on certain model year 2020 Chateau, Daybreak, Four Winds, Freedom Elite, Majestic, Outlaw, Quantum Motorhomes, a loose connection exists between the Battery Isolation Manager (BIM) or the Battery Isolation Relay (BIR) and attached battery cables.

-Recalled products have the potential for a loose connection exists between the BIM/BIR and attached battery cables.

-201 Majestic units are a part of the recall population.

Production Dates : SEP 20, 2018 - SEP 04, 2019

VIN Range 1 : Begin : 1FDXE4FS4KDC05599 End : 1FDXE4FS0KDC29060 Not sequential

Description of Defect :

Description of the Defect : A loose connection exists between the BIM/BIR and attached battery cables.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The loose connection not only causes premature failure of the BIM/BIR, but it can also create arcing, which can lead to a fire and property damage.

Description of the Cause : BIM/BIR are attached to battery cables and torqued per the specifications. During mounting of the BIM/BIR in the motorhome and connection of the other end of the cables to the chassis battery, there is a possibility of the battery cable becoming loose on the BIM/BIR side depending on the orientation of the BIM when mounted and the ring connectors to bend.

Identification of Any Warning that can Occur : NA

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

7/2/2019 TMC was made aware of a fire incident.

8/8/19 Cause and origin investigation with all parties present to determine cause of fire.

8/9/19 In speaking to our fire investigator, it was determined that the connection on the Battery Isolation Manager (BIM) to the battery cables was loose creating an arc.

8/12/19 Worked with TMC Engineering a scope of units to inspect in the field that had the same BIM or a Battery Isolation Relay (BIR) (same wiring).

8/15/19 Results from the field inspections determined that we had a problem with loose connections on the battery cable.

8/16/19 TMC Safety Committee met and determined that a recall was needed

8/26/19 Continued field inspections to determine final scope.

9/4/19 Final scope determined.

Description of Remedy :

Description of Remedy Program : TMC will provide instructions to dealers on how to replace the BIM/BIR with a Trombetta solenoid.

How Remedy Component Differs from Recalled Component : Remedy component uses a Trombetta solenoid.

Identify How/When Recall Condition was Corrected in Production : An ECN change was implemented on 9/11/19 changing the BIM/BIR to a Trombetta solenoid.

Recall Schedule :

Description of Recall Schedule : TMC will notify the dealers and owners of the recreational vehicles by letter. A final copy of the owner letter will be provided to NHTSA, along with the dealer repair procedures.

Planned Dealer Notification Date : OCT 20, 2019 - OCT 20, 2019

Planned Owner Notification Date : OCT 20, 2019 - OCT 20, 2019

* NR - Not Reported