

Part 573 Safety Recall Report

19V-609

Manufacturer Name : Thor Motor Coach**Submission Date :** AUG 20, 2019**NHTSA Recall No. :** 19V-609**Manufacturer Recall No. :** RC000172**Manufacturer Information :****Population :**

Manufacturer Name : Thor Motor Coach

Number of potentially involved : 829

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 Chateau 27R, 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, 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 do not have lock washers on isolator relay studs.

-140 Chateau units are a part of the recall population.

Production Dates : MAR 15, 2019 - JUL 16, 2019

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

Vehicle 2 : 2020-2020 Daybreak 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, 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 do not have lock washers on isolator relay studs.

-20 Daybreak units are a part of the recall population.

Production Dates : MAR 15, 2019 - JUL 16, 2019

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

Vehicle 3 : 2020-2020 Four Winds 27R, 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, 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 do not have lock washers on isolator relay studs.

-169 Four Winds units are a part of the recall population.

Production Dates : MAR 15, 2019 - JUL 16, 2019

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

Vehicle 4 : 2020-2020 Freedom Elite 28FE, 30FE, 23H, 22FE, 22HE
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, 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 do not have lock washers on isolator relay studs.

-301 Freedom Elite units are a part of the recall population.

Production Dates : MAR 15, 2019 - JUL 16, 2019

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

Vehicle 5 : 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, 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 do not have lock washers on isolator relay studs.

-34 Outlaw units are a part of the recall population.

Production Dates : MAR 15, 2019 - JUL 16, 2019

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

Vehicle 6 : 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, 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 do not have lock washers on isolator relay studs.

-165 Quantum units are a part of the recall population.

Production Dates : MAR 15, 2019 - JUL 16, 2019

VIN Range 1 : Begin : 1FDXE4FSXKDC25579 **End :** 1FDWE3FS5KDC31862 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.

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

8/16/19 Finalized the scope of units affected.

Description of Remedy :

Description of Remedy Program : TMC will provide instructions to dealers on how to install lock washers to properly secure the BIM/BIR to the battery cable. If the cable was loose, it is also recommended to replace the BIM/BIR. Reimbursement will be provided through the normal warranty claim process.

How Remedy Component Differs from Recalled Component : Remedy component has lock washers on the Battery Isolation Relay studs.

Identify How/When Recall Condition was Corrected in Production : An ECN change was implemented on 6/19/19 to add lock washers to isolator relay studs.

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