

Part 573 Safety Recall Report

20V-303

Manufacturer Name : Thor Motor Coach**Submission Date :** MAY 27, 2020**NHTSA Recall No. :** 20V-303**Manufacturer Recall No. :** RC000189**Manufacturer Information :****Population :**

Manufacturer Name : Thor Motor Coach

Number of potentially involved : 34

Address : PO Box 1486

Estimated percentage with defect : 7 %

701 County Road 15 Elkhart IN 46515

Company phone : 877-500-1020

Vehicle Information :

Vehicle 1 : 2020-2021 Quantum KW29, LF31

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -Ford has notified Thor Motor Coach that units with a 2021 model year E-Series produced between May 11, 2019 and January 30, 2020 may have frame mounted wire harnesses that could chafe on the frame and become damaged over time.
 -Vehicles produced by Ford after January 30, 2020 have been inspected and had wire harness protective covering installed in the area of concern.
 -4 Quantum units are affected by this recall.

Production Dates : JAN 30, 2020 - MAY 15, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2021 Chateau 27R, 31B, 31W, 31WV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -Ford has notified Thor Motor Coach that units with a 2021 model year E-Series produced between May 11, 2019 and January 30, 2020 may have frame mounted wire harnesses that could chafe on the frame and become damaged over time.
 -Vehicles produced by Ford after January 30, 2020 have been inspected and had wire harness protective covering installed in the area of concern.
 -7 Chateau units are affected by this recall.

Production Dates : JAN 30, 2020 - MAY 15, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2020-2021 Four Winds 24F, 27R, 28Z, 31E, 31W

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -Ford has notified Thor Motor Coach that units with a 2021 model year E-Series produced between May 11, 2019 and January 30, 2020 may have frame mounted wire harnesses that could chafe on the frame and become damaged over time.
-Vehicles produced by Ford after January 30, 2020 have been inspected and had wire harness protective covering installed in the area of concern.
-16 Four Winds units are affected by this recall.

Production Dates : JAN 30, 2020 - MAY 15, 2020

VIN Range 1 : Begin : 1FC3E3KN2MDC0163 End : 1FDXE4FNXMDC01733 Not sequential

Vehicle 4 : 2020-2020 Vegas 24.1

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -Ford has notified Thor Motor Coach that units with a 2021 model year E-Series produced between May 11, 2019 and January 30, 2020 may have frame mounted wire harnesses that could chafe on the frame and become damaged over time.
-Vehicles produced by Ford after January 30, 2020 have been inspected and had wire harness protective covering installed in the area of concern.
-5 Vegas units are affected by this recall.

Production Dates : JAN 30, 2020 - MAY 15, 2020

Vehicle 5 : 2020-2020 Axis 24.1, 27.7

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : -Ford has notified Thor Motor Coach that units with a 2021 model year E-Series produced between May 11, 2019 and January 30, 2020 may have frame mounted wire harnesses that could chafe on the frame and become damaged over time.
-Vehicles produced by Ford after January 30, 2020 have been inspected and had wire harness protective covering installed in the area of concern.
-2 Axis units are affected by this recall.

Production Dates : JAN 30, 2020 - MAY 15, 2020

Description of Defect :

Description of the Defect : A wire harness in the rear of the vehicle may contact the vehicle frame, resulting in wiring damage. This wire harness includes circuits that support the fuel pump and the anti-lock braking system.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Damage to the fuel pump circuit in the wiring harness could result in an unexpected engine stall without warning while driving. An engine stall while driving without or the ability to restart, can increase the risk of crash.

Description of the Cause : The wire harness in the suspect location has insufficient protective covering to prevent abrasion from contact with the frame.

Identification of Any Warning that can Occur : Depending on the circuit(s) affected, the following telltales will illuminate:

- 1) Check Engine Malfunction Indicator Lamp
- 2) Anti-Lock Brake System Warning Lamp and Traction Control Indicator Lamp

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Ford Motor Company

Address : 330 Town Center Drive, Suite 500

Dearborn MICHIGAN 48126-2738

Country : United States

Chronology :

- February-March: An issue concerning potential frame mounted wire harness damage on 2021MY E-series was brought into Ford's Critical Concern Review Group (CCRG) for review. A vehicle at Ford's Ohio Assembly Plant was observed with an anti-lock braking system (ABS) telltale illuminated. Upon inspection of the vehicle it was found that the wire harness containing the rear wheel sensor circuits were damaged.
 - o Upon investigation, it was determined that a localized section of wire harness in the rear of the vehicle exhibited damage from frame contact. The wire harness bundle also contains circuits for the fuel pump, fuel system pressure transducer and the frame ground. A vehicle audit was conducted and found variability in the wire harness routing, with some vehicles exhibiting a close clearance or touch condition between the harness and the frame. An evaluation of the harness protective material found it not to be robust to chafe condition in

this area of the frame in certain conditions. A loss of one or more of these circuits due to a short or open circuit could result in a stall while driving without warning and/or a loss of ABS and RSC.

- On March 16, 2020, Ford's Field Review Committee reviewed the concern and approved a field action. Ford is not aware of any reports of accident, injury, or fire related to this condition.
- TMC was notified on May 22, 2020 by Ford via letter of this recall.

Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to take their vehicle to a Ford dealer to have the wire harness inspected for damage in the suspect area located on the left side in front of the fuel tank. If no damage is found, the technician will apply anti-abrasion tape over the area and ensure clearance to surrounding components. If damage is identified, technicians will follow the standard Workshop Manual (WSM) Repair procedure to splice in new wire and apply anti-abrasion tape over the area and ensure clearance to surrounding components. There will be no charge for this service.
Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern.

How Remedy Component Differs from Recalled Component : The remedy procedure provides additional protection on the existing wire harness in an area of the routing that may contact the frame.

Identify How/When Recall Condition was Corrected in Production : Vehicles produced by Ford after January 30, 2020 have been inspected and had wire harness protective covering installed in the area of concern.

Recall Schedule :

Description of Recall Schedule : Ford has begun to notify the dealers and owners of the recreational vehicles by letter. This recall is being issued to allow owners & dealer to find recall information based upon the final stage manufacturer's name in the event of a search. Ford has issued a recall (20V-175/20S13) and their recall will satisfy the regulatory notification requirements for both owners and dealers. Ford will be reporting response rates for their recall and Thor Motor Coach will not be duplicating this reporting.

Planned Dealer Notification Date : JUL 27, 2020 - JUL 27, 2020

Planned Owner Notification Date : JUL 27, 2020 - JUL 27, 2020

* NR - Not Reported