

Part 573 Safety Recall Report

20V-645

Manufacturer Name : Mitsubishi Fuso Truck of America, Inc.**Submission Date :** OCT 19, 2020**NHTSA Recall No. :** 20V-645**Manufacturer Recall No. :** NR**Manufacturer Information :****Population :**

Manufacturer Name : Mitsubishi Fuso Truck of America, Inc.

Number of potentially involved : 4,332

Address : 2015 Center Square Road

Estimated percentage with defect : 100 %

Logan Township NJ 08085

Company phone : 999-999-9999

Vehicle Information :

Vehicle 1 : 2019-2021 MITSUBISHI FUSO FEC7T, FECZT, FEC9T

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : All of the vehicles in the 2019-2021 production range are affected. There are no vehicles in this range that were not included in the recall.

Production Dates : FEB 09, 2018 - OCT 08, 2020

VIN Range 1 : Begin : 4UZBVE110KGKB8181 End : 4UZCXK11XMGML4818 Not sequential**Description of Defect :**

Description of the Defect : On some light duty trucks, the vacuum pump assembly is affected by heat radiating off the exhaust manifold during normal engine operation. This heat causes the diaphragm in the pump to crack, resulting in loss of vacuum in the vacuum pump. If the vehicle continues to be operated in this condition, the low vacuum lamp will illuminate and as the vacuum pump loses vacuum, the brake pedal will become hard. In the worst case, the power brake assist will become inoperable, causing a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In worst case, the power brake assist may become inoperable.

Description of the Cause : The failure is caused by too much heat affecting the vacuum pump diaphragm.

Identification of Any Warning that can Occur : If the low vacuum warning lamp illuminates, safely exit the roadway and shut the engine off.

Involved Components :

Component Name 1 : Vacuum pump

Component Description : Service brake vacuum pump

Component Part Number : ML296237

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On October 14, 2020, MFTA notified NHTSA that the failure cause has been identified in the vacuum pump. After deliberate study of failed parts, MFTBC determined that the failure is caused by too much heat affecting the vacuum pump diaphragm. The affected vehicles might have a risk that pump diaphragm may crack and the pump will lose vacuum. This is safety relevant issue due to a potential risk of a crash.

Description of Remedy :

Description of Remedy Program : Corrective measures are to be determined. Initial testing indicates that heat shielding needs to be installed in the area of the vacuum pump, and that the exhaust port on the pump needs to be routed away from the heat source. Also, a more durable vacuum pump needs to be installed. The final countermeasures are currently in development and testing now and should be available during the 1st quarter of 2021.

How Remedy Component Differs from Recalled Component : To be determined

Identify How/When Recall Condition was Corrected in Production : To be determined

Recall Schedule :

Description of Recall Schedule : The recall schedule is to be determined. Countermeasures should be available during the 1st quarter 2021.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported