



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 06-041

Date Opened: 09/18/2006

Date Closed: 01/05/2007

Principal Investigator: Peter Kivett

Subject: Brake Vacuum Booster Hose Collapse

Manufacturer: Mitsubishi Fuso Truck of America, Inc.
Products: 2006 - 2007 Mitsubishi FE85D, FE84D, FG84D
Population: 5466

Problem Description: The Brake Vacuum Booster Hose Collapses and compromises braking performance.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	0	0
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	155	155

*Description of Other: Warranty service claims

Action: On December 15, 2006, Mitsubishi submitted a safety defect report. NHTSA has assigned number # 06V-477 To this recall. A copy is attached.

Engineer: Peter Kivett *PK*

Date: 01/05/2007

Div. Chief: Richard Boyd

Date: 01/05/2007

Office Dir.: Kathleen C. DeMeter

Date: 01/05/2007

Summary: This investigation was opened based on ODI'S receipt of EWR information pertaining to collapsing Brake Vacuum Hoses on the subject vehicles. The vehicles of concern are medium duty trucks, Model Years 2006 - 2007, Models FE84D, FE85D AND FG84D.

ODI met with Mitsubishi officials and drove a truck with the collapsed hose. It was determined that the Vacuum Brake Booster Hose can flatten or collapse while the truck is being driven, resulting in degradation (reduced vacuum) of the brake power-assist system. The reduction in available engine vacuum to the brake booster requires the driver to apply increased brake pedal pressure to achieve the expected stopping distance.

During the investigation, ODI learned that the Brake Vacuum Hose was manufactured with insufficient wall thickness, allowing the hose to collapse during normal vehicle operation. During the recall Mitsubishi will replace all Vacuum Brake Booster Hoses on the applicable trucks.

This investigation is closed.



RECEIVED

2006 DEC-20 A 10:30

OFFICE OF DEFECTS
INVESTIGATION

MITSUBISHI FUSO
TRUCK OF AMERICA, Inc.

2015 Center Square Road
Logan Twp., NJ 08085
(856) 467-4500
(856) 467-4695 Fax

December 15, 2006

06V-477
(4 pages)

George Person
Chief, Recall Management Division
Office of Defects Investigation, Safety Assurance
U.S. Department of Transportation
National Highway Traffic Safety Administration, Room 5319
400 Seventh Street, S.W.
Washington, DC 20590

**Subject: Safety Recall Notification on the Brake Vacuum Hose;
Model Years: 2006-2007; Models: FE84D, FE85D, FG84D
MFTA Safety Recall – C1001810 Brake Vacuum Hose**

Dear Mr. Person:

Pursuant to 49 CFR, Part 573, Mitsubishi Fuso Truck of America, Inc. (MFTA) herewith files a defect and noncompliance information report concerning the brake vacuum hose on certain 2006 through 2007 model year FE84D, FE85D and FG84D Mitsubishi Fuso trucks for all states. The contents of this report are arranged to follow the sequence set forth in Section 573.5.

The Dealer Recall Information Bulletin and a sample of the letter that will be sent to each Mitsubishi Fuso truck owner affected by this recall will be forwarded to you upon completion.

Sincerely,

William P. Mohr
Director, Service Operations.
Mitsubishi Fuso Truck of America, Inc.
Phone: (856) 467-3917 Fax: (856) 467-4665

Enclosure: As stated

Defect and Noncompliance Information Report

1. The manufacturer's name:

Mitsubishi Fuso Truck & Bus Corporation (MFTBC), Japan

2. Identification of the vehicles or items of motor vehicle equipment potentially containing the defect or noncompliance:

Models	Model Year Range
FE84D	2006 through 2007
FE85D	2006 through 2007
FG84D	2006 through 2007

- a) Inclusive dates of manufacture:

Models	Vehicle Production
FE84D	July 21, 2005 through September 4, 2006
FE85D	July 21, 2005 through September 4, 2006
FG84D	August 1, 2005 through August 31, 2006

- b) GVWR or class of truck:

Models	GVWR	Class
FE84D	14,500	4
FE85D	17,995	5
FG84D	14,050	4

- c) Names of the components:

Brake vacuum hose

3. The total number of vehicles or items of equipment potentially containing the defect or noncompliance, and where available, the number of vehicles or items of equipment in each group identified pursuant to paragraph (c) (2) of the section:

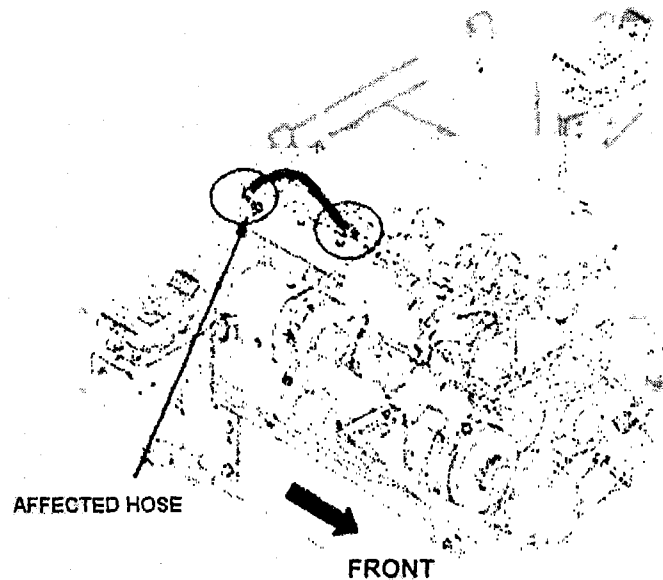
Models	# of U.S. Vehicles	# of Canada Vehicles	
FE84D	3780	112	
FE85D	1430	275	
FG84D	256	51	
Totals	5466	438	5904

4. The percentage of vehicles or items of equipment specified pursuant to paragraph (c) (2) of the section estimated to actually contain the defect or noncompliance:

Unknown

5. A description of the defect or noncompliance, including both a brief summary and a detailed description, with graphic aids as necessary, of the nature and physical location (if applicable) of the defect or noncompliance:

On affected vehicles, the brake vacuum hose may have been manufactured with insufficient wall thickness, allowing the hose to collapse during normal vehicle operation. On the FE84D and FG84D models identified above, the hose provides vacuum to the brake booster. On the FE85D model, the hose provides vacuum to the exhaust brake system.



6. In the case of defect, a chronology of all principal events that were the basis for the determination that the defect related to motor vehicle safety, including a summary of all warranty claims, field or service reports, and other information, with their date of receipt:

On December 11, 2006, MFTBC notified MFTA that MFTBC had decided to conduct a Safety Recall Campaign in the U.S. market based on Warranty Service Claim data, Product Quality Reports, and Tread EWR Data.

After deliberate study of failed sample parts received from the Port of Entry in San Diego, California, MFTBC determined that the cause of failure was insufficient brake vacuum hose wall thickness. Continued operation of the vehicle in this condition could: (1) with respect to the FE84D and FG84D models, restrict proper operation of the brake power-assist and compromise braking performance; and (2) with respect to the FE85D model, restrict proper operation of the exhaust brake system. In the worst case, either occurrence would lead to compromised braking performance and increased braking distances, which could cause a crash without warning. MFTA has not received any Warranty Service Claims from Dealers or complaints from customers concerning failures or operational problems associated with this brake vacuum hose.

MFTA received one hundred fifty five (155) Warranty Service Claims (WSCs) from its San Diego, California port processor and created sixty eight (68) Product Quality Reports (PQRs), all based solely on visual inspections prior to those vehicles being placed in service. MFTA has received no notice of accident or injury relating to the subject component.

7. In the case of noncompliance, the test results or other data on the basis of which the manufacturer determined the existence of the noncompliance:

Not applicable.

8. A description of the manufacturer's program for remedying the defect or noncompliance:

The brake vacuum hose will be inspected on all affected vehicles. If the defective hose has been installed on the vehicle, it will be replaced with a hose manufactured with walls of proper thickness.

Following is MFTA's proposed campaign schedule:

Estimated parts arrival date: December 14, 2006

Estimated dealer notification: December 18, 2006

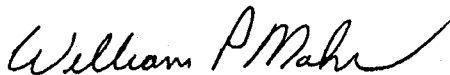
Estimated start of customer notification: December 20, 2006

9. Furnish a final copy of all notices, bulletins and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, dealer or purchaser:

MFTA will provide NHTSA with a final copy of all related documents if any are created.

If you have any questions or concerns, please do not hesitate to contact me at the number listed below.

Sincerely,



William P. Mohr
Director, Service Operations
Mitsubishi Fuso Truck of America, Inc.
Phone: (856) 467-3917 Fax: (856) 467-4665

c: K. Idota (MFTBC)
Y. Sato (MFTBC)
K. Kushida (MFTBC)