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ISUZU

DET-05-032

2005 APR 20 P 4: 50

April 15, 2005

DEFECTS INVESTIGATION

05V-168
(3 pages)

Mr. Ronald Medford
Senior Associate Administrator, Vehicle Safety
National Highway Traffic Safety Administration
400 Seventh Street, S.W., Room 5321
Washington, D.C. 20590

Subject: MY 2002 – 2004 Isuzu NPR/NQR and GMC/Chevrolet W3500/4500
Dual Fuel Tank (Optional Parts)
Part 573 Defect Information Report

Dear Mr. Medford:

On behalf of Isuzu Motors Limited, Japan ("Isuzu Motors"), Isuzu Manufacturing Services of America, Inc. (collectively, "Isuzu") hereby submit this report pursuant to 49 CFR part 573 as it applies to a determination by Isuzu of a safety defect involving certain 2002 through 2004 model year diesel trucks.

573.6 (c)(1)

Isuzu Motors Limited and Chevrolet and GMC divisions of General Motors Corporation.

573.6 (c)(2), (3) and (4):

This information is set forth in Attachment 1.

573.6 (c)(5):

Summary: Due to insufficient durability and testing, the Fuel Switching Manifold Solenoids lack water and/or salt intrusion resistance, which can lead to the eventual failure of one or more solenoids. Fuel Switching Manifold Solenoid failure will cause incorrect fuel delivery resulting in fuel overflow from the fuel filler neck.

Detailed description: Inadequate durability testing and validation under harsh environments resulted in insufficient component durability. The Fuel Switching Manifold Solenoids in the optional dual fuel tank system may fail due to the intrusion of water and/or salt into the solenoid, causing the coil to fail. If one or more solenoid valves fail, the diesel fuel system will exhibit fuel overflow from the fuel filler neck, which, in the worst case, may result in high amount of diesel fuel leakage.

573.6 (c)(6):

After receiving field report concerning the failure of fuel switching manifold solenoids from United States in June 2004, Isuzu Motors and the supplier initiated an investigation and examined the returned fuel switching manifold solenoids, but was unable to duplicate the failure mode and to confirm suspected cause of failure at that time. Isuzu Motors continued to monitor parts sales to collect additional failed parts from the field. Isuzu Motors and the supplier continued its investigation and examined the additional vehicles reported to have had the fuel switching manifold solenoids

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failure condition. Isuzu Motors and the supplier proceeded to conduct design confirmation and duplicate testing, and an investigation of the mechanism analysis which was completed in the first quarter of 2005. Isuzu Motors and the supplier concluded from its investigation that internal solenoid failure due to environmental corrosion and recommendation made to improve solenoid to prevent water and/or salt intrusion and substance corrosion. Accordingly, Isuzu Motors decided to conduct a recall campaign on April 8, 2005.

573.6 (c)(8):

The solenoid valve assembly is to be replaced with an improved assembly including additional detection circuit and enhanced water resistance.

Reimbursement

Isuzu will provide reimbursement to owners for repairs completed on or before the date of the dealer notification expected in early May 2005, pursuant to a plan to be submitted to NHTSA in the near future.

573.6 (c)(9) and (10):

Copies of a draft campaign service bulletin and a draft owner letter will be forwarded to NHTSA in the near future. It is presently anticipated that customer notification will begin on or about the early part of May 2005.

If you have any questions or require additional information, please contact me at 734-582-9262 or Christine Ueno of my staff at 734-582-9260.

Sincerely,

A handwritten signature in black ink, consisting of a large, stylized loop followed by a series of smaller, connected loops and a final horizontal stroke.

Jeffery A. Marsee
Chief Representative
Emission and Safety
Isuzu Manufacturing Services of America, Inc.

Attachments

573.6 (c)(2), (3) and (4):

Vehicles Potentially Affected by Make, Model and Model Year plus Inclusive Data of Installation Option and Optional Parts Sales

MAKE	MODEL SERIES	MODEL YEAR	NUMBER INVOLVED	INCLUSIVE INSTALLATION OPTION and PARTS SALES DATES		OTHER DESCRIPTION INFORMATION TO PROPERLY IDENTIFY VEHICLES	ESTIMATE NUMBER WITH CONDITION
				FROM	TO		
Isuzu	NPR/NQR	03-04MY	190	July 2002	July 2004	Equipped with RPO IK9	100%
GMC	W35/4500	03-04MY	64	July 2002	July 2004	Equipped with RPO IK9	100%
Chevrolet	W35/4500	03-04MY	10	July 2002	July 2004	Equipped with RPO IK9	100%
Optional Parts Sales	N/W Series	02-04MY	52	Apr. 2002 (Parts Sales)	Sep. 2004 (Parts Sales)	Dealer installed Isuzu Dual Tank Option. Over the counter sales.	100%
TOTAL			316				

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April 25, 2005

DEFECT INVESTIGATION

05V-168

Mr. Ronald Medford
Senior Associate Administrator, Vehicle Safety
National Highway Traffic Safety Administration
400 Seventh Street, S.W., Room 5321
Washington, D.C. 20590

Subject: MY 2002 – 2004 Isuzu NPR/NQR and GMC/Chevrolet W3500/4500/5500 –
Dual Fuel Tank (Optional Parts) –
Part 573 Defect Information Report –
Corrected Attachment

Dear Mr. Medford:

On behalf of Isuzu Motors Limited, Japan ("Isuzu Motors"), Isuzu Manufacturing Services of America, Inc. (collectively, "Isuzu") submitted a 49 CFR part 573 report regarding a determination by Isuzu of a safety defect involving certain 2002 through 2004 model year diesel trucks (see DET-05-032 dated April 15, 2005). Isuzu has since noted that the recall involves additional vehicle models that had previously not been identified on the vehicle identification number (VIN) list. Additionally, some of the vehicles have been identified outside the United States; therefore, the total number of vehicles involved has decreased.

Attached please find a corrected attachment to our §573.6 submission.

If you have any questions or require additional information, please contact me at 734-582-9262 or Christine Ueno of my staff at 734-582-9260.

Sincerely,



Jeffery A. Marsee
Chief Representative
Emission and Safety
Isuzu Manufacturing Services of America, Inc.

Attachment

** CORRECTED **

573.6 (c)(2), (3) and (4):

Vehicles Potentially Affected by Make, Model and Model Year plus Inclusive Data of Installation Option and Optional Parts Sales

MAKE	MODEL SERIES	MODEL YEAR	NUMBER INVOLVED	INCLUSIVE INSTALLATION OPTION and PARTS SALES DATES		OTHER DESCRIPTION INFORMATION TO PROPERLY IDENTIFY VEHICLES	ESTIMATE NUMBER WITH CONDITION
				FROM	TO		
Isuzu	NPR/NQR	03-04MY	190	July 2002	July 2004	Equipped with RPO IK9	100%
GMC	W35/4500	03-04MY	44	July 2002	July 2004	Equipped with RPO IK9	100%
Chevrolet	W35/4500	03-04MY	8	July 2002	July 2004	Equipped with RPO IK9	100%
Chevrolet	W5500	04MY	2	July 2002	July 2004	Equipped with RPO IK9	100%
GMC	W5500	03-04MY	9	July 2002	July 2004	Equipped with RPO IK9	100%
Optional Parts Sales	N/W Series	02-04MY	52	Apr. 2002 (Parts Sales)	Sep. 2004 (Parts Sales)	Dealer installed Isuzu Dual Tank Option. Over the counter sales.	100%
		TOTAL	305				