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2006 JUN -6 A 11: 55

June 1, 2006

OFFICE OF DEFECTS
INVESTIGATION

To Whom It May Concern:
Associate Administrator for Safety Assurance
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Re: **Federal-Mogul Corporation**
Notification of Hub Assembly Recall Pursuant to 49 C.F.R. Part 573

To Whom It May Concern:

This report is submitted by Federal-Mogul pursuant to Title 49, Part 573 of the Code of Federal Regulations. It is for the purpose of advising the Agency that Federal-Mogul Wheel End Products will conduct a voluntary safety recall concerning the 515058 hub assembly shipped between Feb. 1, 2006 and May 26, 2006.

1. Identification of motor vehicle equipment potentially containing the defect:

Hub Assemblies purchased from a supplier by Federal-Mogul have been identified with a defect.

The subject hub assemblies have been shipped to customers by Federal-Mogul between dates of Feb. 1, 2006 and May 26, 2006. The following Federal-Mogul hub assembly part number has the defective product mixed in the stock:

Part No.	Date Code	Description	Application
515058 National Hub Assemblies and CARQUEST Hub Assemblies	Feb. 1, 2006 and May 26, 2006 Packaging Date Code: 06039, 06045, 06046, 06069, 06081, 06082, 06087, 06108, 06138 Date code on Hub Assembly: BA5, BAY, BAZ, BB6, BBA, BBB, BBC, BBN, BBO, BBP, BCJ, BDN, BDO, BDW	Hub Assembly	GM Truck, 1500/2500 4WD, 2001 - 2006

(The bold text shows the brand the parts are sold under)

2. Total number of items potentially containing the non-compliant part:

A careful check of inventory records indicates that 6800 of subject hub assemblies were received by our facility and shipped between Feb. 1, 2006 and May 26, 2006 to our customers

3. Percent of items of equipment estimated to contain the defect:
6800 units or 100% of the units shipped to customers were equipped with the ABS sensor cord that has the 90 degree departure from the hub bearing. The interference issue will vary depending on variability of the installation and design of the brake rotor dust shield.

4. Description of defect:
The ABS sensor cord departs from the hub assembly at a 90 degree angle. As a result, there is a fit issue with the Brake Rotor Dust Shield interfering with the ABS sensor cord. If the hub assembly is installed despite this interference, the gap between the ABS sensor and the tone wheel may be altered. This may weaken the output of the ABS sensor. Diminished output could result in an unwanted ABS activation at low speeds and stopping distance could be effected. If stopping distance is limited, a vehicle crash could occur without prior warning.



5. Chronology of principal events which led to the determination of a safety related defect:

Date	Event
1-31-06	First shipment of 515058 hub assemblies from supplier is received.
3-29-06	3 customers submit similar warranty claims on the 515058 hub assembly all indicating an unwanted activation of the ABS system. FM observes an ABS output on these units of 100 millivolts. The issue is reported to our supplier and samples are sent for their review.
4-12-06	Federal-Mogul notices a difference in our suppliers part and the OE design in the departure angle from the hub assembly. Our supplier is asked to determine if this could cause the warranty complaint. Our supplier believes that the issue is caused by ABS output and is trying to determine the cause of the problem.
4-19-06	Our supplier requests additional samples of the product. They believe that output is the cause of the problem, but all parts are tested for proper output after assembly. The cause of the output issue has yet to be determined.
5-4-06	2 additional warranty claims are submitted to FM and samples are sent to supplier.
5-5-06	2 additional warranty claims are submitted to FM and samples are sent to supplier.
5-11-06	Our supplier believes that there may be interference between the ABS sensor cord and the knuckle on the vehicle. They are searching for a vehicle that can be used to verify the interference. The magnitude of the interference, if present, must be determined before remedies can be determined.
5-19-06	Supplier reports that interference is the problem, but that the interference is between the ABS sensor cord and the brake rotor dust shield. The interference is too significant for a slight modification of the plug design and a newly tooled ABS sensor plug is required.
5-22-06	Photographs of the interference issue are created. Correction action options are discussed and considered.
5-25-06	Federal-Mogul decided that the potential compromise of stopping distance that could result from a unwanted ABS activation at low speeds warrants a safety concern. Federal-Mogul decided to recall effected 515058 product.
5-30-06	Currently, Federal-Mogul is readying notification to all sales representatives and identified customers to secure product pending NHTSA review of letter.



6. Defect remedy program:
Federal-Mogul Wheel End Products is initiating a plan for recovery of as many defective hub assemblies as possible. A customer list has been secured. Pending NHTSA review of the customer notification letter, Federal-Mogul intends to contact all of the warehouse/distributors who received the suspect hub assemblies, and also will endeavor to identify jobbers/installers who may have received the product between the dates of Feb. 1, 2006 and May 26, 2006. In those cases where the product has actually been sold to an end customer, Federal Mogul's sales representatives will endeavor to track the specific part until it is collected.
7. Copies of draft correspondence, which will soon be sent to our sales force in an effort to collect the parts in question, will be forthcoming to your Agency. Please advise the undersigned of the campaign number assigned to this recall by the Agency. A copy of the Customer Notice, to be sent to Federal-Mogul Wheel End Product customers in accordance with part 577, will also be included.

Sincerely,

Richard Harvey
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