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December 13, 2005

2005 DEC 30 AM 8:27

Mr. Kenneth N. Weinstein
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
U.S. Department of Transportation
400 7th Street, SW
Washington, D.C. 20590

Re: Recall Campaign - ACE Pipe Banjo Bolt Loose (NHTSA Ref 04V-006)
2000 - 2003 Model Year Land Rover Discovery II Vehicles

Dear Mr. Weinstein:

I have been following the investigation of the defective parts associated with the ACE system for Land Rovers. Although my vehicle does not seem to fall into the affected recall (MY VIN number is ~~XXXXXXXXXX~~ - 2001 Land Rover Series II Discovery) I experienced the same thing with my vehicle in October 2003. My vehicle started leaking fluid while I was going 60 miles per hour on the highway, the warning light came on, and I pulled over.

No one could determine what the fluid was that leaked but I had to get my car towed to the dealership. It was determined that the entire engine had to be replaced and I spent over ~~XXXXXX~~ out of pocket to get it replaced. I had all service done at the dealership (Land Rover Farmington Valley/Mitchell located in Canton, CT) prior to this happening. Because I had over 50,000 miles on the vehicle, nothing was covered.

I reported this to the NHTSA and have never heard anything about it since. I was wondering who I could speak to in regards to this matter to find out if my vehicle falls under the recall, if other vehicles had this problem, etc. For a 2 year old vehicle at the time, I would not think that I should have had to pay over \$4,500 with a mystery fluid leaking.

Anything you could do would be greatly appreciated.

Sincerely,

~~XXXXXXXXXX~~
Torrington, CT
~~XXXXXXXXXX~~

Manus
1-5-06

For your
reference

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DI...ECTS

March 28, 2004

Mr. Kenneth N. Weinstein
Associate Administrator for Enforcement
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
U.S. Department of Transportation
400 7th Street, SW
Washington, DC 20590

**RE: UPDATED Recall Campaign -- ACE (Active Cornering Enhancement) Pipe Baffle Bolt
Loose -- 2000 to 2003 Model Year Land Rover Discovery Series II Vehicles
(NHTSA Ref. 04V-008)**

Dear Mr. Weinstein:

This is an update to the report issued on December 22, 2003 for recall NHTSA Reference No. 04V-008. The Item 2 and 3 are corrected to reflect the accurate range of affected vehicles. This update is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573.

Pursuant to Section 573.5 (d) of the above, we submit the following information:

1. Manufacturer Corporate Name:

Land Rover
Solihull, United Kingdom

Affiliated U.S. Importing Company and Agent:

Land Rover North America, Inc.
655 MacArthur Blvd
Mahwah, NJ 07430

2. Identification of Affected Vehicles:

Based on analysis of the failure mode and build records the following vehicle population was identified.

Subject Vehicles: 2000 to 2003 Model Year, Discovery II vehicles
Equipped with the optional Active Cornering Enhancement (ACE) system.

VIN Range: **SALTY126[REDACTED] to SALTW[REDACTED]**
produced from December 13, 1999 to June 17, 2000

2. Total Number of Vehicles Potentially Affected:

5264 vehicles built for sale in the United States in this range are affected by this recall.

(Previously added to Land Rover model R140 (RITRA 8041-000):

VIN Range: **SALTY126[REDACTED] to SALTW754[REDACTED]**

produced from June 18, 2000 to June 17, 2000

Number of affected vehicles [REDACTED]

4. Percentage of Vehicles Estimated to Actually Contain the Defect:

All vehicles specified in 2 above may potentially exhibit the defect during service.

6. Description of the Defect:

The ACE (Active Cornering Enhancement) pump helps lock loose torque and allows fluid to leak past the joint. This is caused through inadequate torquing operations within the manufacturing/work procedures and general torque loss in service.

When the fluid supply is exhausted a diagnostic warning light will be illuminated and the ACE system will go into a fail-safe mode.

The leak of fluid from the pump joint can ignite resulting in an under hood fire.

Three field reports have been received of ACE fluid leaks US vehicles, including one that reported a fire that could be related to this issue.

8. Chronology of Principal Events:

April through Sept. 2002	8 Reports received (worldwide) of potential ACE fluid loss/leaking, including one under hood fire
September 2002	Parts returned for analysis and investigation by Engineering department began
November 2002	Manufacturing process reviewed and an audit undertaken of reserved vehicles and the vehicle assembly process. In nearest survey conducted to analyse the ACE Pipe to pump joint performed.
December 2002	Tooling investigation performed. Production process reviewed for capability.

**URGENT Recall Campaign - ACE (Active Cornering Enhancement) Pipe Seals New Lease
2000 to 2000 Build Year Land Rover Discovery 1 Vehicles (RITRA Ref. 8041-000)**

January 2003	Slipper wrench introduced to minimize torquing variation.
February 2003	Production process for joint updated to ensure joint integrity.
March 2003	Durability and strength testing of the banjo bolt to pump joint performed
July 2003	Continued investigation revealed root cause of the bolt loosening in service was more likely under-torquing of the bolt and not over torquing. The joint can appear sealed when the bolt is only finger tight, due to the lip seal on the "Dowty" washers (special seal washer for banjo bolt).
October 2003	Process change implemented in production ensuring compliance with joint specification including properly torqued bolts.
December 2003	Root cause of field incidents of ACE fluid leak determined as the under torquing of the joint (banjo bolt to pump). Field action initiated.

7. Case of Non-Compliance

There is no non-compliance.

8. Description of Corrective Repair Action

Vehicles within the affected VIN range will be inspected for leakage of fluid or wetness around the joint area. If no leakage or wetness is evident, banjo bolt will be re-torqued to a nominal 32.6Nm.

If a leakage of fluid or wetness is evident, the banjo bolt and Dowty washers will be replaced.

9. Copies of Dealer Communications

Copies of the dealer notification documents (service bulletin and technical information bulletin (TIB)) will be submitted to NHTSA when available.

10. Copy of Owner Communications

A draft copy of the customer notification letter will be submitted to NHTSA for your review and approval when it is available.

**UPDATED Recall Campaign - ACE (Active Clutch Engagement) Flyer Being Sent Later
2003 to 2004 Model Year Land Rover Discovery II Vehicles (NHTSA Rec. 04-009)**

11. Shoulderwater's Campaign Number

Land Rover's campaign number is B140.

Sincerely,



Dennis Johnston
Manager, Product Compliance
Land Rover North America, Inc.