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OFFICE OF  
DEFECTS INVESTIGATION



JAGUAR CARS  
555 MacArthur Boulevard  
Mahwah, NJ 07430 USA

www.jaguar.com

September 17, 2004

Mr. Kenneth N. Weinstein  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

04V-488  
(6 pages)

RE: Part 573 Notification-Jaguar Unintended Braking R166/167 2003-2005 MY S-Type

Dear Mr. Weinstein:

This is to inform you that Jaguar Cars is initiating a recall campaign on Jaguar S-Type vehicles produced from December 2001 thru January 2004 to address unintended hand brake operation.

Jaguar Cars has determined that the electronic park brake (EPB) may unintentionally apply the handbrake causing the vehicle to decelerate. This application can, in extreme cases, cause a rear wheel "lockup" without the illumination of the stop lamps or warning lamps on the instrument cluster.

The campaign number assigned to this recall is R166/R167.

I have included a copy of the owner notification letter and will forward a copy of the Technical Service Bulletin once it becomes available. If you have further questions or concerns you can reach me directly at (201) 818-8227.

Sincerely yours,

Kenneth Reed  
Product Legislation and Compliance

## PART 573 DEFECT AND NON COMPLIANCE REPORT

1. Identify the full corporate name of the fabricating manufacturer/brand name/trademark owner of the vehicle being recalled. If the recalled vehicle is imported, provide the name and address of the designated agent as prescribed by Section 110 (e) of the National Traffic and Motor Vehicle Safety Act.

**ANSWER:**

Importer and Agent: Jaguar Cars  
Fabricating Manufacturer: Jaguar Cars Ltd  
Controller of Fabricating  
Manufacturer and Trademark Owner: Jaguar Cars Ltd

2. Identify the vehicles involved in the recall and for each make and model provide:

**ANSWER:**

MAKE: Jaguar  
MODEL: S-TYPE  
MODEL YEARS INVOLVED: 2003 to 2005 MY  
PRODUCTION DATES BEGINNING: Dec 01      ENDING: Jan 04  
VIN RANGE INVOLVED: BEGINNING: M44998      ENDING: N13088  
BODY STYLE: Sedan Passenger Cars  
VEHICLE TYPE: Car

3. Furnish the total number of vehicles recalled potentially containing the defect or non compliance.

**ANSWER:**

U.S.A    30,181  
Canada   1,194  
Mexico    572  
  
Total    31,947

4. **Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or non-compliance.**

**ANSWER:**

Unknown

5. **Describe the defect or non-compliance. The description should include but not be limited to a brief summary of the nature (addressing the contributing factors, if any), physical location of the defect or non-compliance, and consequence. Photographs or illustrations should be considered where appropriate.**

**ANSWER:**

It is possible for the electronic park brake (EPB) to be unintentionally applied which can result in the vehicle decelerating and in extreme cases, the rear wheels locking up. This condition can arise at any speed with or without warning lights displayed on the instrument cluster.

6. **With respect to a defect, furnish a chronological summary of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.**

**ANSWER:**

In August 2002, one field report was received alleging the rear parking brake had unintentionally operated with the vehicle in motion. The vehicle was examined and no defect was found. In November 2002, two additional field reports were received. Ongoing testing and vehicle assessment to try to replicate the reported condition continued until the end of November 2002 with the vehicles under test never replicating the failure condition. A dedicated team of engineers was appointed in January 2003 to further strengthen the investigation being undertaken to determine if the allegations could be linked to any defect in the vehicles.

No further field reports were received until June 2003, however nine field reports of a similar condition were received between June 2003 – April 2004. Throughout this period, the engineering team continued to investigate the concern, conducting many and varied tests on vehicles as well as components within the vehicles accumulating in excess of 20000 KM of road test evaluation.

Unable to replicate the concern and therefore unable to determine if a defect pattern in the vehicles existed, the team continued to test possible theoretical failure modes. The investigation team found an anomaly in the signals used within the braking systems of some of these vehicles described as a conducted noise transient as a result of high levels of conducted emissions from the wiper motor. The investigation team continued to research the effect of this anomaly on both LHD and RHD vehicle electronic park systems and were able to determine that only the electrical systems within LHD vehicles were susceptible to the conducted noise transient. If a vehicle were to have this anomaly, a warning light would illuminate.

Additionally eight reports claim of inadvertent park brake applications occurring without warning lights illuminating on the instrument pack on LHD vehicles. As a result the engineers continued to investigate to determine what other system interactions or components could produce the condition. Although no pattern of a vehicle defect was determined, it was observed that the reports only occurred on vehicles fitted with a specific level ("AF") of electronic park brake modules, but analysis of this module did not indicate any defect in the module.

Based on the results of our engineering analysis of this condition, Jaguar has decided to conduct a safety recall to correct the wiper motor noise emission levels and, although no defect has been determined in the "AF" modules, in an abundance of caution, to replace the earlier EPB modules.

There has been one accident alleged to be related to this condition. There have been no reported deaths or injuries.

7. **Furnish a description of the manufacturer's program for remedying the defect or non compliance.**

**ANSWER:**

Recall Action will be carried out to replace the electronic park brake module on those vehicles equipped with the "AF" level module with a later level module and to add a link lead and wiper motor suppression module to all vehicles identified above.

8. **Furnish a copy of all notices, bulletins, and other communications that relate directly to the defect or non-compliance and which are sent to more than one manufacturer, distributor, or purchaser. These copies are to be submitted to the Office of Defect Investigations no later than 6 days after they are first sent to manufacturers, distributors, dealers, or purchasers. Note that these documents are to be submitted separately from those provided in accordance with the Part 573.6 requirements.**

**ANSWER:**

The manufacturers identification code for this recall is R166/R167.



JAGUAR CARS  
555 MacArthur Boulevard  
Mahwah, NJ 07430 USA

[www.jaguar.com](http://www.jaguar.com)

RE: R-166/167 Recall – Electronic Park Brake

Vehicles Affected: 2003-2005 MY S-Type

Dear Jaguar Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Jaguar Cars has determined that a defect relating to motor vehicle safety exists on 2003-2005 MY S-Type models. If you are a recipient of this notice, and an owner of one of the vehicles within the VIN range listed below, this letter is to inform you that your vehicle is included in this recall.

Vehicles within this vehicle identification number range (VIN) may experience unintentional Electronic Park Brake (EPB) application.

Following is a breakdown of the affected vehicles by model and (VIN) range.

> 2003-2005 Jaguar S-Type M44998-N13088

#### What is the problem?

Investigations have determined that the electronic park brake module, which controls the application of the parking brake, may unintentionally apply the parking brake with out any indication or warning to the driver, including the illumination of the stop lamps. This condition can cause the vehicle to decelerate and in extreme conditions may cause rear wheel "lockup" at any road speed. In some cases warning lights may be displayed on the instrument cluster.

While it is unlikely that you will experience this issue, it is important to schedule an appointment with your dealer to have this repair performed.

#### What will Jaguar and your Dealer do?

Jaguar Cars will replace the Electronic Park Brake module with the latest production level parts. In addition will be the fitment of a suppression module link lead in the electrical wiring harness.

#### What should you do?

At your earliest convenience you should contact your authorized Jaguar Dealer who will be able to make an appointment to undertake the necessary actions. To assist your Dealer please ensure that at the time of contact you have at hand your applicable Vehicle Identification Number.

**Moved or no longer own a Jaguar?**

Please fill out the enclosed card and return it to Jaguar by simply putting it in the mail.

Should you have the need to contact Jaguar by mail, please use the following address:

Jaguar Cars  
ATTN: Customer Relationship Center  
555 MacArthur Boulevard  
Mahwah, NJ 07430-2327

**What you should do if you have already paid to have this work completed?**

If you meet all the following requirements, you are eligible to receive reimbursement

1. You own or have owned a 2003-2005 MY Jaguar S-Type within the VIN range listed above.
2. You have paid for a Electronic Brake Module due to the defect outlined previously in this letter.
3. The repair was performed before ~~12/31/2005~~.
4. You have an original or legible copy of the paid repair order or invoice showing:
  - A description of the concern reported
  - Itemized parts and labor charges
  - The vehicle model and year and the vehicle identification number
  - The repair date
  - Repair mileage
  - Name and address of the authorized Jaguar Dealer or licensed repair shop
  - Your name and address at the time of the repair

If you have all of the above information, present it to the Dealership Service Manager and they will arrange reimbursement of your claim.

Please ensure that you retain copies of all of the paperwork supporting this claim.

If an authorized Jaguar dealer fails or is unable to satisfactorily answer your concerns about this notice, without charge within 60 days, pursuant to law 49 U.S.C. Chapter 301, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C. 20590 or call the toll-free Auto Safety Hotline at 888-327-4236.

**Attention Leasing Agencies:**

Federal regulation requires that you forward this recall notice to the lessee within 10 days.

**What you should do if you have further questions?**

Please contact your Jaguar Dealer or the Jaguar Customer Relationship Center at 1 800 4JAGUAR (1-800-452-4827), option 9 or by e-mail at [jaguarowner@jaguar.com](mailto:jaguarowner@jaguar.com).

Sincerely,



Benjamin I. Weiner  
Customer Satisfaction Manager