

## PART 573 DEFECT AND NON COMPLIANCE REPORT

1. **QUESTION:**  
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 Motors Inc
Fabricating Manufacturer:	Jaguar Cars Ltd
Controller of Fabricating Manufacturer and Trademark Owner:	Jaguar Cars Ltd

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

**ANSWER:**

MAKE:	Jaguar
MODEL:	X-TYPE LHD Manual Transmission
MODEL YEARS INVOLVED:	2002 to 2003 MY
PRODUCTION DATES BEGINNING:	13 February 2001
ENDING:	19 August 2002
VIN RANGE INVOLVED: BEGINNING:	C00294
ENDING:	D03128
BODY STYLE:	Sedan Passenger Cars
VEHICLE TYPE:	Car

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

<b>ANSWER:</b>	USA	3,856
	Canada	353
	Total	4,209

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

**ANSWER:** 100% of vehicles manufactured during this time may contain the concern

5. **QUESTION:**  
**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:**

Investigations have determined that under certain operating conditions, the handbrake lever, which applies the parking brake, may not be applied sufficiently by the driver to prevent the vehicle from moving if the manual transmission was left in the neutral position. The automatic adjuster within the handbrake may not work properly causing the handbrake lever to travel outside the recommended range.

6. **QUESTION:**  
**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 January 2002, Ford of Europe recalled Mondeo vehicles equipped with an automatic adjustment handbrake lever system similar to the handbrake system in some 2001-2003 MY Jaguar X-type vehicles. The Ford Mondeo experienced vehicle rollaway caused by the handbrake not being applied sufficiently to hold the vehicle on an incline.

The handbrake systems, although similar, were expected to act differently in the Jaguar X-type, because of vehicle ergonomics, the lighter weight of the X-types, thermal performance of the aluminum wheels, and cable routing. At the time of the Ford of Europe recall, Jaguar searched and located no reports of vehicles rolling away after the handbrake had been applied.

In August 2002, Jaguar replaced the automatic adjustment handbrake lever system with a manual adjustment handbrake lever system in production vehicles. The new ratio-increased parking brake lever with manual adjustment reduces the efforts required to park the vehicle on a gradient by approximately 20%.

During the 2003 calendar year, Jaguar received a total of five reports of vehicles rolling away after the handbrake had been applied, of which two were received in December 2003. In February 2004, an engineering

investigation was undertaken. Testing by Jaguar engineering and the supplier showed that there were no specific component problems with the handbrake system.

A comparison of the Jaguar data with Ford of Europe data commenced in March 2004. A review and analysis of all warranty claims was completed in May 2004. A further comparison analysis was undertaken on other Jaguar and Land Rover vehicle lines. The analysis of warranty claims and field reports for Jaguar X-type vehicles revealed that the R/1000 for incidents of vehicle rollaway on vehicles equipped with the automatic adjustment handbrake lever system is 1.11 worldwide and 3.11 in the United States, compared to a worldwide R/1000 of 0.07 and 0.00 (with no reports) in the United States on vehicles equipped with the manual adjustment handbrake system. To support the analysis previously undertaken all information was reviewed by the Technical Review Group in August 2004.

Based on the results of our engineering analysis of this condition, Jaguar has decided to conduct a safety recall to replace automatic adjustment handbrake systems.

7. **QUESTION:**  
**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 automatic adjustment handbrake lever system on affected vehicles with the manual adjustment handbrake lever system.

8. **QUESTION:**  
**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 5 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 573.8 requirements.**

**ANSWER:**

The manufacturers identification code for this recall is R957