



RECALL ACTION

Recall Action
Number: P017

Subject: Brake Vacuum Assistance System	Publication No.:	P017
	Model:	Discovery 3/LR3 – EU4 Vehicles Only
	Model Year:	2006-2009
	VIN Range:	LA367110 – LA513325
	Model:	Range Rover Sport – EU4 Vehicles Only
	Model Year:	2006-2009
	VIN Range:	LS929086 – LS999999 LS100000 – LS215618
	Date of Issue:	30 July 2009

To:	The National Sales Companies and Importers in: Australia, Bulgaria, Canary Islands, Costa Rica, Croatia, Cyprus, Czech Republic, Finland, Gibraltar, Hungary, Israel, Italy, Macedonia, Moldova, Poland, Romania, Russia, Slovakia, Slovenia, South Korea, Spain, Turkey and the Ukraine
For the Attention of:	The Managing Director
Copies To:	The Service/Aftersales Director/Manager The Parts Director/Manager

Related Information:	Specific vehicles in the VIN ranges LA412125 – LA487033, LS100008 – LS181999, LS980310 - LS999998 are eligible for Recall Action P008 and P016 (Russia only) which must be carried out at the same time as this Recall Action.
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RE: Brake Vacuum Assistance System

Dear Colleagues

A concern has been identified on the above vehicles where oil is collecting in the brake booster causing a progressive loss of brake assistance, resulting in hard brake pedal and increased stopping distances for the same pedal effort. Engine oil in the brake master cylinder will lead to a loss of one or both of the foundation brake system hydraulic brake circuits and therefore increased brake pedal travel, increased stopping distances and, in the event of both primary and secondary brake master cylinder seal failure, a total loss of service brakes.

Temporary sticking of the non-return valve leads to a temporary loss of vacuum assistance on the braking system. The hydraulic braking system itself remains fully functional. Once the valve has unstuck the booster vacuum is immediately restored, full braking assistance is available, and the brakes perform normally for the remainder of that drive cycle.

Action to be taken

Land Rover has taken the decision to recall affected vehicles and you will be required to replace the brake booster vacuum pipe and check for oil in the brake booster. Where oil is detected in the brake booster, the brake booster and if necessary master cylinder will be replaced. For the workshop procedure see Appendix 1.

You are requested to contact owners of affected vehicles, following procedures that are appropriate to your market and as required by local legislation; requesting that the owner contact their nearest dealer, as soon as possible, to arrange for the vacuum pipe and valve to be replaced. A sample customer letter is attached as Appendix 2; the letter should be adapted to the requirements of your market.

Dealers are reminded that they should not sell vehicles identified as affected by a safety recall until such time as the safety recall has been successfully completed on affected vehicles.

Please check DDW to ensure that the vehicle is affected by this Recall Action prior to undertaking any rework action. DDW will be updated to reflect only those vehicles affected. Should you require a listing of the affected vehicles, please contact the Land Rover Field Actions team by e-mail at jlrcamp@jaguarlandrover.com. All overseas requests should be forwarded via the National Sales Company/Regional Office only.

At the time of confirming a booking for vehicle repair, please ensure you check DDW and that all outstanding Field Service Actions are identified to ensure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

For information purposes, a Technical Question and Answer document is attached as Appendix 3.

Parts Information

The parts from Table 1 should be ordered from Land Rover Parts in the normal manner.

Table 1

Part No.	Description	Drive	Model	Variant	Qty
LR014528	Master Cylinder Kit	LHD	Both	All	1
LR014527	Master Cylinder Kit	RHD	Both	All	1
SJJ500090	Brake Booster Kit	Both	Discovery	All	1
SJJ500070	Brake Booster Kit	Both	RRS	Without Brembo Brakes	1
SJJ500080	Brake Booster Kit	Both	RRS	With Brembo Brakes	1
SIJ500040	Brake Fluid – 1Ltr	Both	Both	All	1
LR018674	Brake Booster Vacuum Pipe	LHD	Both	EU4	1
LR018673	Brake Booster Vacuum Pipe	RHD	Both	EU4	1

Warranty Information

Table 2 – SROs

Description	Trans.	SRO	Time
Check/replace vacuum pipe	Both	70.50.89.30	0.3
Check oil in brake booster and master cylinder	Both	70.50.89.31	0.1
Replace brake booster	Manual	70.50.01	1.1
Replace brake booster	Automatic	70.50.01	0.8
Replace master cylinder and brake booster	Manual	70.50.89.28	1.5
Replace master cylinder and brake booster	Automatic	70.50.89.28	1.3
Diagnose oil in brake booster - insufficient oil, re-fit original booster and master cylinder	Manual	70.50.89.32	0.6
Diagnose oil in brake booster - insufficient oil, re-fit original booster and master cylinder	Automatic	70.50.89.32	0.3
Drive in/drive out	Both	02.02.02	0.2

Warranty claims should be submitted quoting program code **P017** together with option code X. In this instance it will also be necessary to quote the relevant SROs and parts from Tables 1 and 2.

NOTE: The option that contains the drive in/drive out allowance may only be claimed when the vehicle has been brought back into the workshop for this action alone to be undertaken.



Warranty claims should be submitted in accordance with the current Land Rover Warranty Policy and Procedures Manual and its amendments unless stated otherwise in this Recall Action.

Yours faithfully

A handwritten signature in black ink, appearing to read "K Phelps".

K Phelps
Director - Service Operations

Attached **Appendix 1 – Workshop Procedure**
 Appendix 2 – Sample Customer Letter
 Appendix 3 – Technical Q & A