



Land Rover North America, Inc.
Land Rover Canada

SERVICE BULLETIN

CIRCULATION:			
Dealer Principal	X	Sales Guide	X
Centre Manager	X	Parts Professional	X
Sales Manager	X	Warranty Admin	X
Business Manager	X	Service Advisor	X
Parts Manager	X	Technician	X
Service Manager	X		

Bulletin: SRE06-03
Section: Recall
Date: 21 April 2006
Model: Range Rover Sport

Applicable to: USA/CDA

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Attachment: Repair Procedure
Quarantine Q&A

Subject: Recall B039 – Quarantine Notice for Affected Vehicles

Vehicle Quarantine Notice

Land Rover North America has informed the National Highway Transportation Safety Administration (NHTSA) and Transport Canada (TC) of its intent to perform a voluntary Safety Recall on a range of 2006 Range Rover Sport vehicles imported into the United States and Canadian markets. Information relating to the proposed Recall will be posted on the NHTSA and TC web sites. The Recall action will require inspection of the left hand front brake hose, wheel speed sensor lead and brake pad wear sensor lead for signs of damage from a wheel weight clip on all affected vehicles.

Retailers must ensure that new vehicles in Retailer inventory be HELD and not delivered to customers until they can be repaired as described in the Recall technical instructions. The quarantine repair procedure is attached to this notification. Recall technical and service bulletins will be issued.

U.S. Federal law requires Retailers to complete any outstanding safety Recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a Retailer could result in a civil penalty of up to \$5,000 per vehicle.

This Quarantine notice serves as notification to all Land Rover Retailers in the United States and Canada that affected vehicles may not be delivered for customer use until the Recall repair is completed.

All 2006 Range Rover Sport vehicles equipped with 9Jx19 inch wheels built up to the end of February 2006 within the VIN range 6A900129 to 6A949108 are potentially affected by the defect prompting this Safety Recall.

Recall B039: Brake Hose – Potential Damage from Wheel Weight Clip

Situation

A concern has been identified with the left hand front brake hose on Range Rover Sport vehicles with 9Jx19-inch wheels. The front left brake hose/ABS wheel speed sensor lead/brake pad wear warning sensor lead may chafe against the clip on wheel balance weights when the wheel is at full left steering lock and the suspension is moving towards full bump.



Action to be taken

Retailers are required by law to Quarantine the affected vehicles that are in their control until the LHF brake hose, ABS sensor wiring and pad wear sensor wiring have been inspected and where necessary replaced. The clip-on wheel balance weights on **all 9Jx19-inch wheels** must also be replaced with stick-on balance weights as part of this Recall action. The workshop procedure for vehicles in Retailer inventory is attached to this bulletin.

Retailers are advised that until the Recall inspection and repairs have been completed, the use of affected vehicles equipped with 9Jx19 inch wheels within the VIN range as demonstrators or loaner vehicles may be considered a violation of Federal legislation. Land Rover recommends against using affected vehicles for demonstrator or loaner purposes until the inspection and repair have been satisfactorily completed. Please consult your own legal counsel if you have questions in this regard.

Sold vehicles will be subject to the standard Recall notification and Recall bulletin process detailing the action required for vehicles in the hands of customers. Additional bulletin information will be provided for customer facing repair processes as soon as possible.

Customer Inquiries

In the interim, if you are approached by a customer with questions about this Recall, but the customer has not yet received any formal notification, please inform them that Land Rover will notify them in writing if their vehicle is affected by a campaign.

If a United States customer requires additional information concerning this matter, please direct them to contact the Land Rover Customer Relationship Center at **1 800 637 6837**.

Canadian customers requiring additional information should be directed to the Land Rover Canada Customer Relationship Center at **1 800 346 3493**.

Thank you for your co-operation in this matter.



Quarantine Repair Procedure

B039 – Inspection and Repair of Brake Hose and Sensor Leads

PARTS:

△ NOTE: The following spare parts are currently available in limited quantities. It is not anticipated that any vehicles in Retailer inventory will require replacement hoses or experience sensor wiring damage. Should an inspection reveal a problem with a Retailer inventory vehicle please contact the Land Rover Parts Technical HelpLine (1-888-577-8577 Option 2) and supply the VIN for the affected vehicle to place an order for the required part.

SHB500038	Brake Hose	Qty 1	
SEM500062	Pad Wear Warning Sensor	Qty 1	
SSB500132.....	ABS Sensor	Qty 1	Up To VIN 924696
SSB500133.....	ABS Sensor	Qty 1	From VIN 924697

△ NOTE: The following items should be sourced locally. An allowance to cover the costs incurred should be claimed against miscellaneous item code ZZZ001. The costs should be entered in local currency and must not exceed £1.50 sterling (US\$2.65).

Locally sourced/supplies:

- Wheel Cleaning Fluid
- Stick on balance weights
- Brake Fluid (TOP UP using LRND0T4 – Shell ESL)

WARRANTY:

△ NOTE: Always refer to DDW to verify vehicle eligibility for this Service Campaign and to determine if the vehicle is affected by any other Service Actions.

Warranty claims should be submitted quoting program code **B039** together with Option Code "X". It will also be necessary to quote the **relevant parts** used for the repair and the **SRO** from the table below used to perform the procedure. Use the miscellaneous item code **ZZZ001** to cover the locally sourced supplies. This will result in payment for the stated time and parts entered.

Drive in/drive out can only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

Program Code	Option	Job Description	SRO	Time (Hours)	Part Number	Part Description	QTY	Misc Expense
B039	X	Check LHF brake hose, pad wear sensor & ABS sensor – replace balance weights	70.15.89/31	0.2	As Required			ZZZ001
B039	X	Check and replace LHF brake hose – replace balance weights	70.15.89/32	0.6	As Required			ZZZ001
B039	X	Check and replace LHF pad wear sensor – replace balance weights	70.15.89/33	0.5	As Required			ZZZ001
B039	X	Check and replace LHF ABS sensor – replace balance weights	70.15.89/34	0.7	As Required			ZZZ001



Quarantine Repair Procedure

Program Code	Option	Job Description	SRO	Time (Hours)	Part Number	Part Description	QTY	Misc Expense
B039	X	Check and replace LHF brake hose, pad wear sensor and ABS sensor – replace balance weights	70.15.89/35	1.0	As Required			ZZZ001
B039	X	Drive in/Drive out	02.02.02	0.2	N/A			

Normal warranty policy and procedures apply.

REPAIR PROCEDURE

1. Drive the vehicle onto a lift and raise to comfortable working heights.
2. Record the wheel balance weight values from both the inner and outer wheel edge on each of the four wheels.
3. Select the appropriate stick-on wheel weight from the table below to replace ALL clip-on weights:

OE Clip-on Weight Value	Replacement Stick-on Weight
25g	Use same mass for stick-on weight
30g - 45g	Use a stick-on weight with 5g higher mass (Example: replace 35g clip-on with 40g stick-on)
50g - 60g	Use a stick-on weight with 10g higher mass (Example replace 50g clip-on with 60g stick-on)

4. Clean the inner wheel surface at the locations where the clip-on weights are situated with a suitable cleaner (Brake-kleen® or similar).
5. Apply the stick-on weights to the **inner rim surface** at the corresponding location to the clip-on weight.
6. When application of stick-on weights is completed for all four wheels, remove **all** the clip-on balance weights.
7. From underneath the vehicle inspect the condition of the front LH Brake Hose, ABS Sensor Lead and Pad Wear Warning Sensor Lead.



NOTE: Only parts that are observed to be damaged in the inspection are to be replaced.



NOTE: GTR lookup sequence is as follows:

GTR Home > North America > Service Information/ LS – Range Rover Sport/2006 > Workshop Manuals > Range Rover Sport 2005 Workshop Manual > Bookmark "Chassis/BrakeSystem/ 206-03 Front Disc Brake" Link "Brake Disc - Vehicles Without: Brembo Brakes (70.12.10)"

8. If there is any evidence of damage on the inspected parts, refer to GTR section 70.12.10 and replace any damage part.



Quarantine Customer Q&A

FOR USE ON INQUIRY

Recall B039

Range Rover Sport (LS) with 9Jx19" wheels

Main Message: Front left brake hose and/or the ABS wheel speed sensor lead and/or the pad wear warning sensor lead can chafe against the clip-on wheel balance weights when at full left steering lock and the suspension is moving towards full "bump" at the upper limits of suspension travel. Being in "Access" or "Crawl" mode can contribute to the conditions that can lead to wheel weight chafe.

Q1 Why is Land Rover recalling certain models?

A To ensure the continued satisfactory operation of the brake system on all Range Rover Sport vehicles.

Q2 Can you tell me more about what is wrong with the vehicles?

A During certain maneuvers when the steering system is on full left lock and the suspension is moving towards full "bump" the front left brake hose and/or the ABS wheel speed sensor lead and/or the pad wear warning sensor lead can catch on the wheel balance weight as the wheel rotates.

Q3 Does this recall affect vehicle safety?

A Yes.

Q4 Has Land Rover received many complaints?

A To date there have been 57 claims around the world for this complaint from nearly 50000 vehicles produced.

Q5 Have there been any accidents or injuries?

A As far as we are aware, there has been one minor incident without injury.

Q6 How was the condition discovered?

A The condition was first discovered by retailers in Italy when repairing vehicles where a brake warning light had been illuminated.

Q7 What has Land Rover done in production?

A The Wheel Balance Weight has been changed from a type that clips onto the inside rim of the wheel to a 'stick on' type to increase the clearance to the Brake Hose and Sensor Leads.

Q8 What will authorized repairers do to the vehicles?

A The vehicles will have all their Wheel Balance Weights changed to a 'stick on' type.

Q9 Which vehicles are affected by this recall?

A All Range Rover Sport models fitted with 19" alloy wheels.

Q10 Are other Land Rover models affected by these actions?

A No.

Q11 Are parts available to rework vehicles?

A Yes.



Quarantine Customer Q&A

Q13 How much will the recall cost Land Rover?

A Cost is never a factor in Land Rover's decisions to recall vehicles.

Q14 How do I know if my Range Rover Sport is affected?

A If the tire sidewall is printed with 255/50R19 then your vehicle is affected.

All owners of potentially affected vehicles will receive a letter shortly inviting them to contact a Land Rover authorized retailer for the work to be carried out.

Q15 Can customers check their own vehicles?

A Owners should contact a Land Rover authorized retailer for the vehicle to be inspected and repaired.

Q16 How long does it take for the car to be inspected and repaired?

A Depending on the results of the inspection the vehicle will be required between half an hour and an hour. Because of retailer schedules, vehicles may be required for longer.

Q17 Can I continue to drive my Range Rover Sport safely until it has been recalled?

A While the vehicle remains safe to drive, Land Rover would ask customers to be aware of the need to avoid steering the vehicle sharply while in access/crawl mode. Customers should react promptly to this recall to ensure maximum safety.