

DEV-055



TECHNICAL BULLETIN

No: P009
Issue: 1
Date: 17 MAR 2008

CIRCULATE TO

Service Mgr
X

Warranty
X

Workshop
X

Body Shop
X

Parts
X

SECTION: 501

RECALL: LR2 Roof Opening Panel Function

AFFECTED VEHICLE RANGE:

LR2 (LF)

VIN: 8H000212 - 8H087347
Model Year: 2008

CONDITION SUMMARY:

ROOF OPENING PANEL FUNCTION

Situation: A concern with the operation of the roof opening panel on LR2 vehicles has been identified where failure of either the left- or right-side roof opening panel guide rail could cause the roof opening panel to become detached from its operating mechanism and bind. The operator may hear a cracking noise if this condition occurs. If this condition occurs, the roof opening panel glass panel will remain attached to its frame, but further attempts to operate will result in continued noise and abnormal operation due to the binding condition. If a vertical force is applied (for example: a customer manually aiding the roof opening panel to close or wind lift) the glass panel can become fully detached from the vehicle. This unexpected separation of the roof opening's glass panel could possibly distract the driver, increasing the risk of a vehicle crash or loss of vehicle control. In addition, should the glass panel fully detach from the vehicle it may impact nearby persons or objects resulting in personal injury and/or vehicle and property damage.

Action: Install two retention inserts as per the Repair Procedure outlined below.

PARTS:

LR009006 Roof Opening Panel Kit Qty: 1 (2 blocks, 2 screws)

WARRANTY:

△ **NOTE:** Always check DDW to verify that the vehicle is affected by this Recall prior to undertaking any repair. Some vehicle within the VIN-range will have been repaired in port. DDW reflects only those vehicles affected and un-repaired.

△ **NOTE:** Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

Warranty claims should be submitted quoting program code P009. This will result in payment of the stated time. As option codes are used, there is no requirement for you to enter parts or labor; these are repeated here for information only.

Program Code	Option	Description	SRO	Time	Part No.	Qty.
P009	B	Install additional clips to roof opening panel	76.84.89/30	0.3	LR009006	1
P009	C	Install additional clips to roof opening panel Drive in/drive out	76.84.89/30 02.02.02	0.3 0.2	LR009006	1

Normal warranty policy and procedures apply.

NOTE: The information in Technical Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers." If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether the bulletin applies to a specific vehicle.

REPAIR PROCEDURE

RAISING THE ROOF OPENING PANEL FOR ACCESS

1. Verify all roof opening panel functions; one-touch open / close, tilt, etc. If the roof opening panel does not operate correctly, diagnose and repair before proceeding as a separate Warranty Claim.
2. Apply a strip of masking tape to the front edge of the left- and right-hand sides of the fixed-section of the rear glass. (Figure 1)



NOTE: The following step may require the aid of another technician.

3. Open the roof opening panel blind fully.
4. Switch ignition 'on'.
5. Disable one-touch operation (Figure 2):
 - Remove the passenger compartment fuse box cover.
 - Locate fuse F10.
 - Open the roof opening panel and remove fuse F10 while the roof opening panel is moving rearward.
 - Install fuse F10.
 - Verify one-touch operation is disabled.
6. Open the roof opening panel glass fully.
7. Remove the roof opening panel glass guide locators (left-hand shown, right-hand similar). (Figure 3)
 - Remove the T15 Torx screw.
 - Apply downward pressure (1) and slide forward (2) to remove the guide locator (3).
 - Repeat for the opposite side.

Figure 1

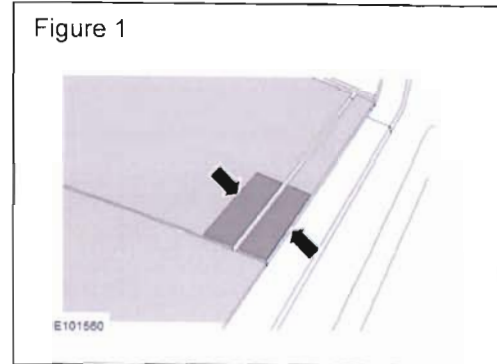


Figure 2

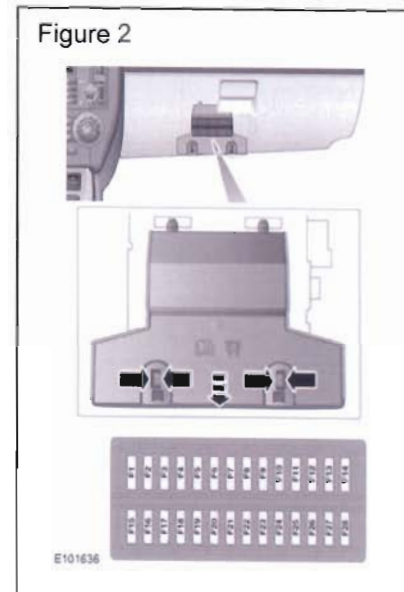
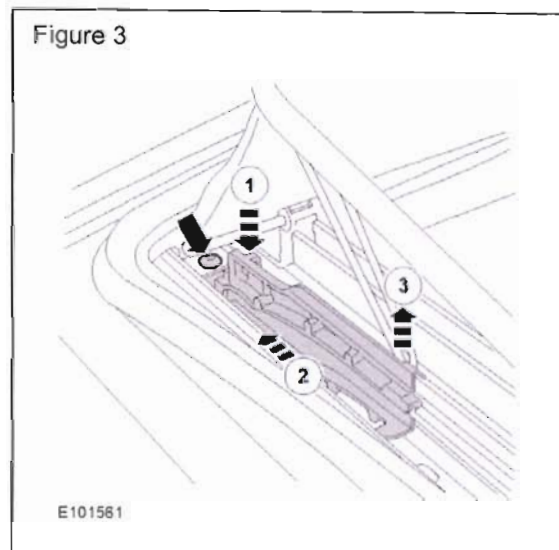


Figure 3

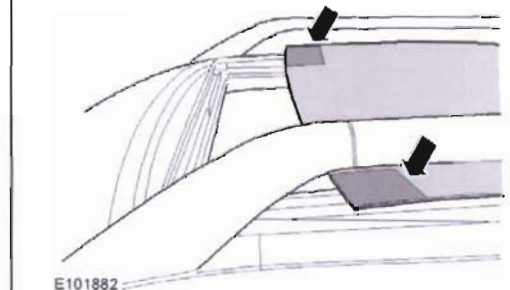


⚠ CAUTION: Do not operate the roof opening panel after supporting it in the raised position.

⚠ CAUTION: Care must be taken when lifting and supporting the roof opening panel glass to prevent damage to the glass panel from contact with the accessory roof rails.

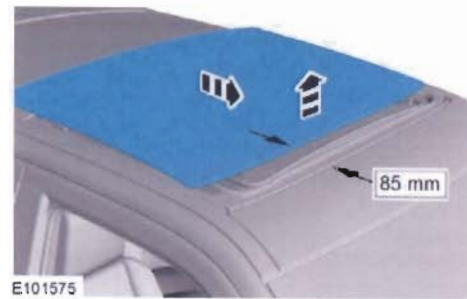
8. If fitted with accessory roof rails:
 - Apply strips of masking tape to the front corners of the roof opening panel glass to prevent damage to the glass when lifting the panel.
 - Close the roof opening panel glass to **85mm (3.3in)** to release the front of the glass. (Figure 5)
 - Switch ignition 'off'.
 - Lift up on front of roof opening panel.
 - Slide the roof opening panel glass **230mm (9.0in)** rearwards from the front body edge to the line of the roof rail joint. (Figure 6)
 - Raise the roof opening panel glass by **75mm (3.0in)**
 - Support the panel in the raised position with a soft block. (Figure 7)
 - Using a non-permanent marker, mark the seal to show the driving slider position to ease in installation. (Figure 8)

Figure 4



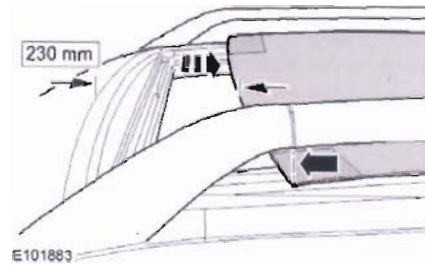
E101882

Figure 5



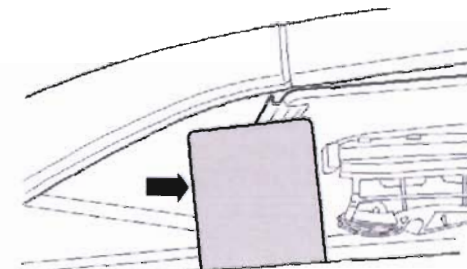
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Figure 6



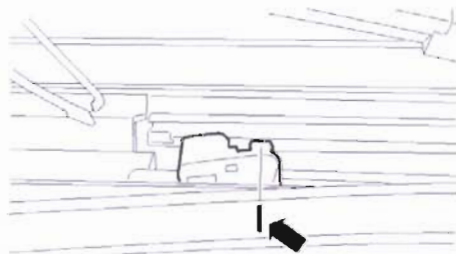
E101883

Figure 7



E101884

Figure 8



E100482

9. If **not** fitted with accessory roof rails.
- Close the roof opening panel glass to **85mm (3.3in)** to release the front of the glass. (Figure 5)
 - Switch ignition 'off'.
 - Raise the roof opening panel glass by **100mm (4.0in)**.

NOTE: The block must be positioned between the roof opening panel and the track, not the body.

- Support the panel in the raised position with a soft block between the glass panel and the roof opening panel track. (Figure 9)
- Using a non-permanent marker, mark the seal to show the driving slider position to ease in installation. (Figure 8)

INSTALLING THE BLOCKS

NOTE: This step may require the aid of another technician.

NOTE: Figure shows the screw on the **inside** of the vehicle and the block on the **outside** of the vehicle.

10. Install block (labeled "L" [left-hand] or "R" [right-hand]) with flat face positioned against the roof opening panel guide, using the supplied screw. (Figure 10)
- Using a suitable magnetic tool, install the T10 Torx screw to the block and tighten to **0.9Nm +/- 0.1Nm (0.7lbf-ft +/- 0.1lbf-ft)**.
 - Repeat for the opposite side.

CAUTION: Protect roof opening panel mechanism to prevent contamination by small plastic debris.

11. Using a clean shop rag, cover the roof opening panel mechanism to prevent contamination by small plastic debris.
12. Using a suitable utility knife, cut upwards to the metal bar and remove the plastic segment (shaded in Figure 11).
- Repeat for the opposite side.

Figure 9

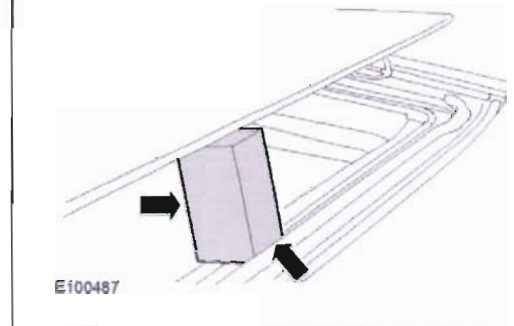


Figure 10

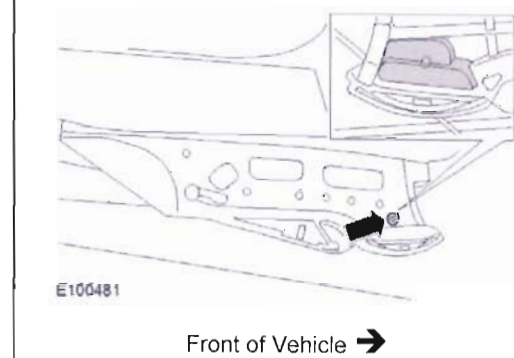
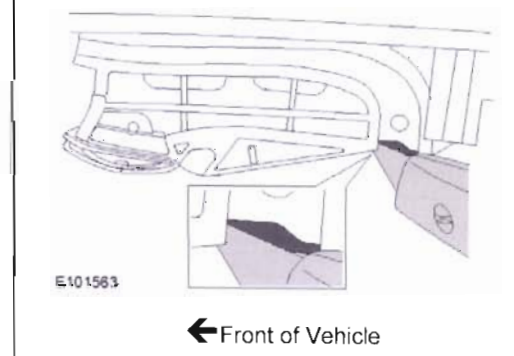


Figure 11



NOTE: Only cut the guide enough to provide a stress-relief. It is not necessary to remove any of the guide material.

13. Using a suitable utility knife, cut roof opening panel guide approximately **6mm (0.2in)** until it reaches the metal insert. (Figure 12)
 - Repeat for the opposite side.
14. Remove the protective cover / shop rag from the roof opening panel mechanism.

SETTING THE ROOF OPENING PANEL INTO PLACE

NOTE: Left-hand shown, right-hand similar.

1. Remove the support block.
2. If fitted with accessory roof rails, slide the roof opening panel glass forwards until it is **85mm (3.3in)** from the body edge. (Figure 5)

CAUTION: Damage will occur if the roof opening panel is not aligned correctly.

NOTE: This step requires the aid of another technician.

NOTE: Left-hand shown, right-hand similar.

3. Align the connection bar with the roof opening panel guide. (Figure 13)

Figure 12

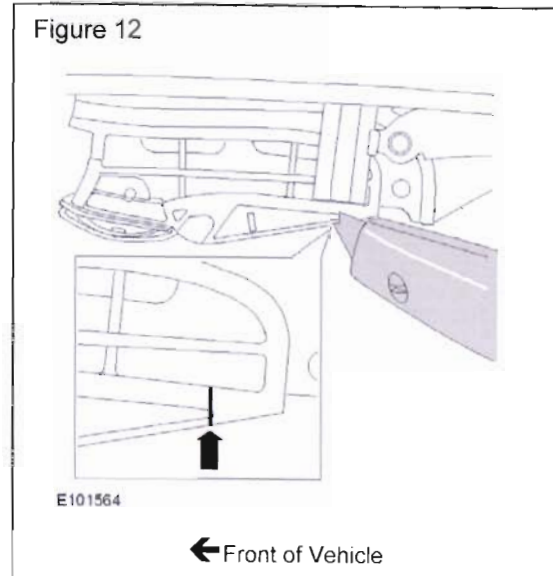
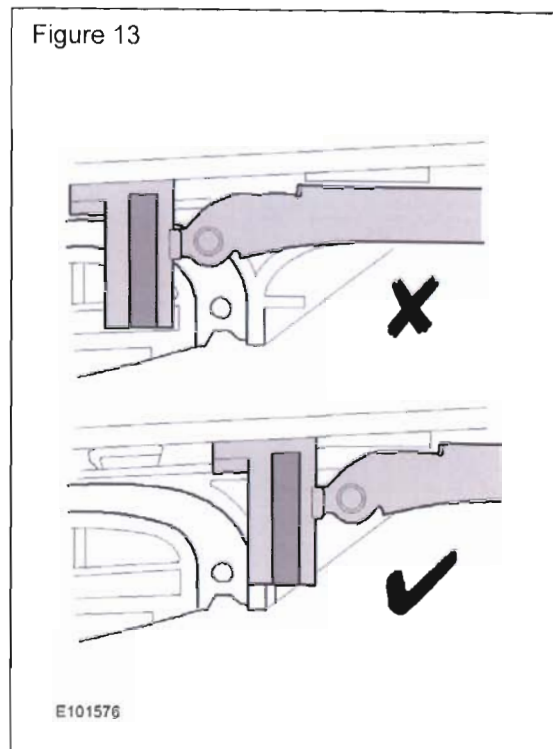


Figure 13



NOTE: The mark arrowed in Figure 14 is the same mark as arrowed in Figure 6.

NOTE: Once aligned, the front glass panel will 'drop in'.

4. Align the connection bar on the glass panel with the driving slider. (Figures 14 & 15)
 - Carefully align and position the roof opening panel glass to the driving slider.
 - The front of the glass panel will 'drop in' when correctly aligned.
 - If resistance is felt, realign the connection bar and roof opening panel glass to the driving slider.

CAUTION: Do not apply downward pressure while operating the roof opening panel.

NOTE: A slight noise may be heard when the roof opening panel is operated for the first time.

5. Switch ignition 'on'.
6. Using the roof opening panel switch, open the glass panel rearwards **50mm (2.0in)** to ensure the panel is positioned correctly in the guide rail. (Figure 16)
 - If correctly positioned, fully open the roof opening panel.
 - If not correctly positioned, repeat steps 2-4.
7. Switch ignition 'off'.

Figure 14

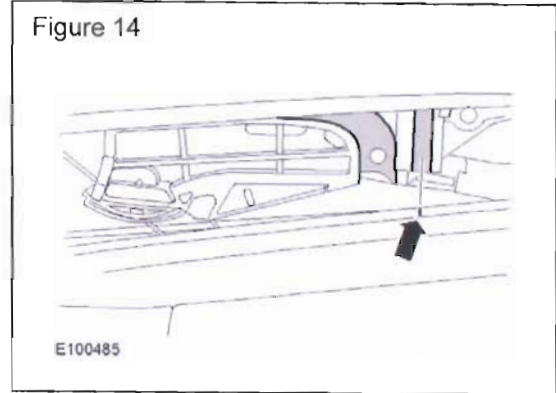


Figure 15

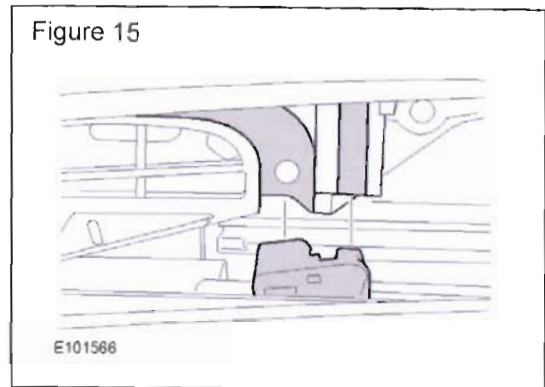
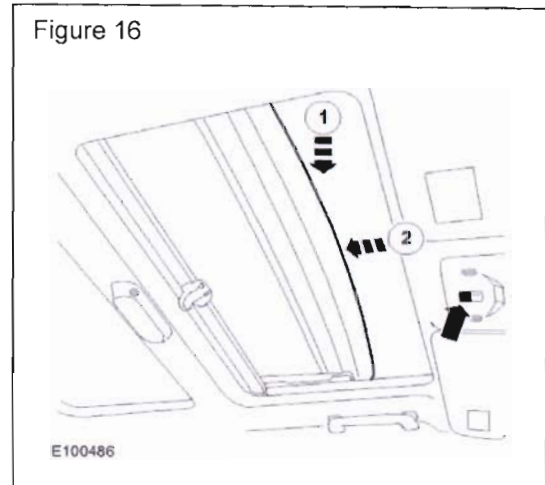


Figure 16



INSTALL THE ROOF OPENING PANEL GLASS GUIDE LOCATOR

NOTE: The following refer to the numbers within Figure 17.

1. Position the front of the guide locator (1)
2. Raise upwards (2)
3. Position onto rail and slide rearwards (3).
4. Install T15 Torx screw and tighten to **2.5Nm +/- 0.25Nm (1.8 lbf-ft +/- 0.18lbf-ft)**.
 - Repeat for the opposite side.

CAUTION: Ensure the net deflector folds protrude rearwards when closing the roof opening panel glass. The net deflector is set to fold-up in one direction. If it is reversed, the folds can protrude forwards and can get trapped between the seal and the glass, and could provide a water leak path.

5. Switch ignition 'on'.
6. Close roof opening panel.

INITIALIZE ROOF OPENING PANEL MOTOR

1. Manually initialize the roof opening panel motor:
 - Raise the roof opening panel glass to the full-tilt position.
 - Release the switch.

NOTE: Do not release the switch until the roof opening panel has completed the open / close cycle.

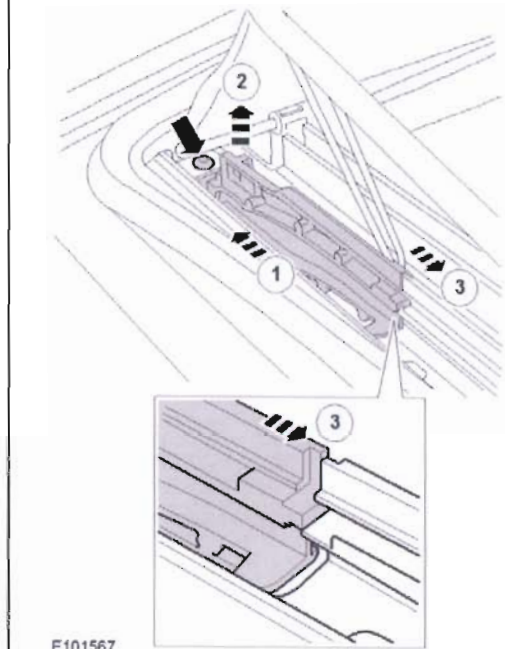
- Press and hold the front leading edge of the switch.
 - After 20 seconds, the roof opening panel glass will:
 - Stall in the tilt mode (causing a noise).
 - Perform a full open / close cycle.
 - Release the switch.
2. Remove all protective tape.

VERIFY ROOF OPENING PANEL OPERATION

NOTE: One-touch close is inoperable from the tilt position.

1. Verify correct operation of the roof opening panel:
 - One-touch open (tilt and full-open).
 - One-touch close (from the full-open position).
 - Tilt (from the full-closed position).

Figure 17



E101567



SERVICE BULLETIN SRE08-02

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: SRE08-02
Section: Recall
Date: 19 MAR 2008
Model: LR2
8H000212 - 8H087347
Applicable to: USA
Page: 1 of 6
Attachment: Owner Letter
Technical Q&A

Subject: SAFETY RECALL P009 - NHTSA # 08V055000

NOTE: This Recall Action supersedes Service Bulletin SRE08-01

A possible defect that relates to motor vehicle safety may exist in some 2008 LR2 vehicles in the VIN range 8H000212 - 8H08734.

DESCRIPTION OF DEFECT

Land Rover has found that the front glass panel is failing to close, and after further investigation it has been revealed that the glass could become detached from the roof opening panel frame on one side of the vehicle. The plastic over-mold material on the roof opening panel mechanism is cracking, causing the system to jam which can cause the panel to twist and detach from the frame. The customer may hear a cracking noise if this condition occurs. If this condition occurs, the roof opening panel glass will remain attached to its frame, but further attempts to operate will result in continued noise and abnormal operation due to the binding condition. If a vertical force is applied (for example: a customer manually aiding the roof opening panel to close or wind-lift) the glass panel can become fully detached from the vehicle. This unexpected separation of the roof opening's glass panel could possibly distract the driver, increasing the risk of a vehicle crash or loss of vehicle control. In addition, should the glass panel fully detach from the vehicle it may impact nearby persons or objects resulting in personal injury and/or vehicle and property damage.

VEHICLES INVOLVED / CUSTOMER NOTIFICATION

A total of approximately 12,353 vehicles in the USA are involved in this Recall action. VIN ranges for vehicles affected by this Recall are:

LR2 (LF)

VIN: 8H000212 - 8H08734

Recall P009 customer notification began the week of 29 FEB 2008. A sample of the customer notification is attached to this bulletin.

Federal law requires Retailers to complete any outstanding safety recall service before a vehicle is delivered to a buyer or lessee. Violation of this requirement by a Retailer could result in a civil penalty of up to \$6,000.00 per vehicle.

WORKSHOP PROCEDURES

Retailers should install roof opening panel retention inserts. Refer to Technical Bulletin 'P009 - RECALL: Roof Opening Panel Function' for detailed repair procedures.

Should a customer vehicle be presented in such a condition that prevents this repair being performed, retailers must follow normal procedures to first repair the roof and then ensure that the requirements of this Recall be completed at the same time. If you are unable to complete both the repair and the Recall action at the same service appointment, the vehicle may be returned to the customer only after the roof

opening panel is closed and disabled electrically (remove fuse F10 from the passenger compartment fuse box).

STATUS CHECKING/VEHICLE IDENTIFICATION

Retailers may check the disposition of any vehicle by using the Land Rover DDW system vehicle history screen. In order to prevent recall repair duplication, always verify the status of a Recall Action using DDW.

Ensure that all outstanding Service Campaigns against a vehicle in this Recall are identified, that any required parts are available, and that shop time is allocated to affect those repairs in conjunction with the P009 Recall activity.

PARTS SUPPLY

The following parts are required to carry out this Recall repair:

LR009006 Roof Opening Panel Kit Qty: 1

CLAIM REIMBURSEMENT INFORMATION

△ **NOTE: Always check DDW to verify that the vehicle is affected by this Recall Action, or any other Service Actions, prior to undertaking any repair. Some vehicles within the VIN-range will have been repaired in port. DDW reflects only those vehicles affected and un-repaired.**

△ **NOTE: Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.**

Warranty claims should be submitted quoting program code **P009**. This will result in payment of the stated time. As option codes are used, there is no requirement for you to enter parts or labor; these are repeated here for information only.

Program Code	Option	Description	SRO	Time	Part No.	Qty.
P009	B	Install additional clips to roof opening panel	76.84.89/30	0.3	LR009006	1
P009	C	Install additional clips to roof opening panel Drive in/drive out	76.84.89/30 02.02.02	0.3 0.2	LR009006	1

SAMPLE OWNER LETTER

RE: *Safety Recall P009 - Roof Opening Panel Function*

Vehicles Affected: Land Rover LR2

Model Year: 2008

Dear Land Rover Owner,

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Land Rover has decided that a defect, relating to motor vehicle safety, exists in 2008 model year LR2 vehicles. Your vehicle is part of this recall action.

What is the concern?

A concern has been identified with a small number of roof opening panels fitted to 2008 model year LR2 vehicles.

Failure of either the left-side or right-side sunroof guide rail could cause the sunroof to become detached from its operating mechanism and bind. You may hear a cracking noise if this condition occurs. If it does occur, the roof opening panel glass will remain attached to its frame, but further attempts to operate it will result in continued noise and abnormal operation due to the binding condition. If a vertical force is applied (for example: you are manually aiding the roof opening panel to close or wind-lift) the glass panel can become fully detached from the vehicle. This unexpected separation of the roof opening's glass panel could possibly distract the driver, increasing the risk of a vehicle crash or loss of vehicle control.

What should you do?

Contact your authorized Land Rover retailer at your earliest convenience to schedule an appointment to have Safety Recall Action P009 completed on your vehicle. Please provide your retailer with your Vehicle Identification Number (VIN) located in the lower left corner of the windshield.

What Land Rover and your retailer will do

Land Rover is carrying out a voluntary recall of 2008 model year LR2 vehicles. Land Rover retailers will repair the roof opening panel mechanism.

How long will it take?

The work will be carried out as quickly and efficiently as possible in order to minimize inconvenience to customers and is expected to take approximately 20 minutes, although your retailer may need your vehicle for a longer period of time due to service scheduling requirements.

Attention Leasing Agencies:

Federal regulations require that you forward this recall notification to the lessee within TEN (10) days.

Moved or no longer own a Land Rover LR2?

If you are no longer the owner of this vehicle, Land Rover would greatly appreciate the name and address of the new owner, using the enclosed return postage-paid card.

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

**Land Rover North America
ATTN: Customer Relationship Center
555 MacArthur Boulevard
Mahwah, NJ 07430-2327**

What should you do if you have further questions?

Should you have any questions regarding this Recall Action or need assistance in locating your nearest authorized Land Rover Retailer, please contact the Land Rover Customer Relationship Center at: **1-800-637-6837, Option 9.**

You can also contact Land Rover by e-mail. Visit the web site www.landroverusa.com and send an email from the "Contact Us" section.

If you are having difficulty getting your vehicle repaired in a reasonable time or without charge, you may write to the:

Administrator, National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590

Or you may call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153), or log on to www.safercar.gov to submit a complaint electronically.

We appreciate your confidence in our product and wish to do everything we can to retain that confidence. Land Rover in cooperation with your authorized Retailer will strive to minimize any inconvenience to you caused by this campaign.

Sincerely,

A handwritten signature in black ink, appearing to read "Ben I. Weiner". The signature is fluid and cursive, with a long horizontal stroke at the end.

Benjamin I. Weiner
Customer Satisfaction Manager



Land Rover Recall P009

LR2 Roof Opening Panel Detachment

Main Message: An issue has been identified on a number of 2008MY Land Rover LR2 vehicles built from start of production and January 12, 2008 (VIN range H000212 - H087347). Failure of either the left- or right-side roof opening panel guide rail could cause the roof opening panel to become detached from its operating mechanism and bind. The operator may hear a cracking noise if this condition occurs. If this condition occurs, the roof opening panel glass panel will remain attached to its frame, but further attempts to operate will result in continued noise and abnormal operation due to the binding condition. If a vertical force is applied (for example: a customer manually aiding the roof opening panel to close or wind lift) the glass panel can become fully detached from the vehicle.

Q1: Why is Land Rover recalling certain LR2 models?

A: There is a small risk that under certain circumstances the roof opening panel may bind or stall while being closed and become detached on one side. If a vertical force is applied (for example customer manually aiding the roof opening panel to close or wind lift) the glass panel can become fully detached from the vehicle

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

A: Due to different thermal expansion properties between the plastic over-mold material (POM - polyoxymethylene) and steel roof opening panel guide rail, excessive stress can develop in the over-molded bracket which may lead to cracking during normal roof opening panel operation. If cracks occur and propagate in a certain area of the guide rail, fragments of the plastic over-mold material may detach from the guide rail and obstruct the operation of the roof opening panel. The obstruction could cause the roof opening panel, when operated, to bind, twist, and potentially detach from the operating mechanism.

Q3: How would the customer become aware of potentially having this concern?

A: Failure of either the left- or right-side guide rail could cause the roof opening panel to become detached from its operating mechanism and bind. The operator may hear a cracking noise if this condition occurs. If this condition occurs, the roof opening panel glass panel will remain attached to its frame, but further attempts to operate will result in continued noise and abnormal operation due to the binding condition.

Q4: Does this recall affect vehicle safety?

A: Land Rover has determined that detachment of the roof opening panel from the vehicle may pose a safety risk to other road users and pedestrians.

Q5: Has Land Rover received many complaints?

A: To date, there have been 32 reports of the front roof opening panel glass panel failing to close or become stuck. Further reports have been received where roof opening panels have jammed only.

Q6: Have there been any accidents or injuries?

A: Land Rover is unaware of any accidents or injuries associated with this issue.

Q7: How was the condition discovered?

A: This condition was first reported to Land Rover by the receipt of a dealer field report.

Q8: How long has Land Rover known about this problem?

A: The first report of this concern was received in December 2007.

Q9: Is the problem connected with the roof opening panel leading you to any concerns regarding the reliability of a system, which is supposed to be designed and engineered for the passengers' safety? What type of measures are you planning to take?

A: The roof opening panel system does not affect any other safety system in the vehicle



TECHNICAL Q&A

Q10: What has Land Rover done in production?

A: Land Rover have made changes to the production design that will prevent the roof opening panel from detaching from the vehicle in the event that it jams and is subjected to some force to try and assist its' closure.

Q11: What will authorized repairers do to the vehicles?

A: Authorized repairers will add two additional plastic retention blocks and make a minor modification to the roof opening panel guides which will reduce the risk of jamming and prevent the roof opening panel becoming detached in the even of it jamming.

Q12: Which vehicles are affected by this recall?

A: Only LR2 vehicles fitted with a roof opening panel are affected by this recall. The roof opening panel system is unique to this model.

Q13: Are other Land Rover models affected by these actions?

A: No other Land Rover vehicles are affected.

Q14: Are parts available to rework vehicles?

A: Yes parts are available for this re-work.

Q15: How much will the recall cost Land Rover?

A: Cost was not a factor in deciding to recall these vehicles.

Q16: How do I know if my LR2 vehicle is affected?

A: All LR2 vehicles built up to VIN 8H087347 and fitted with a roof opening panel are included in this campaign.

Q17: How long does it take for the car to be inspected and repaired?

A: The work will be carried out as quickly and efficiently as possible in order to minimize inconvenience to customers and is expected to take no longer than 30 minutes to complete. Naturally, due to dealer schedules, vehicles may be required for longer.

Q18: Can I continue to drive my vehicle safely until it has been recalled?

A: The vehicle can continue to be driven safely until it has been recalled. The roof opening panel must not be operated until such time as the recall has been completed.

Note: Please ensure that any Press enquiries are referred to the Land Rover Public Affairs office.



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

Bulletin: STR08-03
Section: Training
Date: 17 MAR 2008
Model: LR2 (LF)

Applicable to: CAN / USA
Page: 1
Attachment:

Subject: **Web Video - Recall P009**

This bulletin announces the introduction of a new Land Rover web-based Training course.

Web Video – Recall P009

COURSE CODE: WWRP009
COURSE TYPE: WEB-BASED
LAUNCH DATE: 1st Trimester 2008
TARGET AUDIENCE: Technicians
DURATION: Approx. 30 Minutes
PREREQUISITES: LRU-WEB
EQUIVALENCE: NONE
JAGUAR & LAND ROVER TRAINING COURSE CREDIT: NO
LAND ROVER CERTIFICATION: YES

COURSE DESCRIPTION: Web Video Service Recall P009 covers the proper repair procedure and care points of the roof opening panel mechanism fitted to certain 2008 Model Year LR2 vehicles.

COURSE OBJECTIVES: To provide technicians with quick and clear demonstration steps necessary when performing Recall P009 on all affected 2008 Model Year LR2 vehicles.

This instructional video **does not replace the Service Recall / Technical Bulletin documents**. Technicians should use the video information to supplement the Recall P009 Technical Bulletin instructions.

SPECIAL NOTE: Due to the importance of correctly performing the procedure detailed in this training video, all technicians should complete this course as soon as possible.



SERVICE BULLETIN SRE08-02

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: SRE08-02

Section: Recall

Date: 19 MAR 2008

Model: LR2
8H000212 - 8H087347

Applicable to: USA

Page: 1 of 6

Attachment: Owner Letter
Technical Q&A

Subject: SAFETY RECALL P009 - NHTSA # 08V055000

NOTE: This Recall Action supersedes Service Bulletin SRE08-01

A possible defect that relates to motor vehicle safety may exist in some 2008 LR2 vehicles in the VIN range 8H000212 - 8H08734.

DESCRIPTION OF DEFECT

Land Rover has found that the front glass panel is failing to close, and after further investigation it has been revealed that the glass could become detached from the roof opening panel frame on one side of the vehicle. The plastic over-mold material on the roof opening panel mechanism is cracking, causing the system to jam which can cause the panel to twist and detach from the frame. The customer may hear a cracking noise if this condition occurs. If this condition occurs, the roof opening panel glass will remain attached to its frame, but further attempts to operate will result in continued noise and abnormal operation due to the binding condition. If a vertical force is applied (for example: a customer manually aiding the roof opening panel to close or wind-lift) the glass panel can become fully detached from the vehicle. This unexpected separation of the roof opening's glass panel could possibly distract the driver, increasing the risk of a vehicle crash or loss of vehicle control. In addition, should the glass panel fully detach from the vehicle it may impact nearby persons or objects resulting in personal injury and/or vehicle and property damage.

VEHICLES INVOLVED / CUSTOMER NOTIFICATION

A total of approximately 12,353 vehicles in the USA are involved in this Recall action. VIN ranges for vehicles affected by this Recall are:

LR2 (LF)

VIN: 8H000212 - 8H08734

Recall P009 customer notification began the week of 29 FEB 2008. A sample of the customer notification is attached to this bulletin.

Federal law requires Retailers to complete any outstanding safety recall service before a vehicle is delivered to a buyer or lessee. Violation of this requirement by a Retailer could result in a civil penalty of up to \$6,000.00 per vehicle.

WORKSHOP PROCEDURES

Retailers should install roof opening panel retention inserts. Refer to Technical Bulletin 'P009 - RECALL: Roof Opening Panel Function' for detailed repair procedures.

Should a customer vehicle be presented in such a condition that prevents this repair being performed, retailers must follow normal procedures to first repair the roof and then ensure that the requirements of this Recall be completed at the same time. If you are unable to complete both the repair and the Recall action at the same service appointment, the vehicle may be returned to the customer only after the roof