

Aftersales Bulletin

Area Service Information

subject 00 72 67 01 00 Phantom Curtain Air Bag Inspection / Replacement

Group 00 72

Reference C 12 2015 01

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Version 1

Department Service Operations / POM

Recipients Aftersales Managers, All Service Managers, Parts Managers and Service

Technicians of Rolls-Royce Motor Cars Dealers



1. Situation

During a recent quality inspection on Phantom models, it was found that an extremely small number of side curtain airbags supplied to us may not have been manufactured to specification. As a result it is possible that the airbag might not position perfectly on deployment.

Vehicles will require an inspection process to determine if the curtain airbags need to be replaced. This inspection process will need to be organised through your Aftersales Manager so please ensure that they are contacted prior to performing any work on the vehicle.

The following procedure must be completed on chassis numbers listed within ISPA (Integrated Service Processes Application) or S-Gate.

2. Procedure

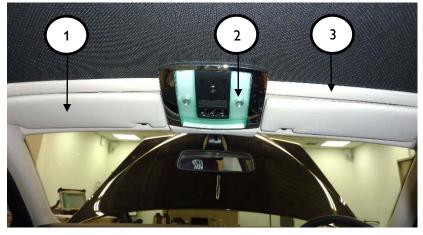
⚠ When handling airbag modules ISTA (Integrated Service Technical Application) safety regulations 72 00 must be observed.

⚠ Improper, unauthorised operations may result in serious danger.

Prepare the vehicle for inspection:

In order to remove the front roof pillar trim the following preliminary work is required.

Removing and installing front roof frame trim REP 51 44 ... (If option code RS2 tilt/slide sunroof is installed the correct repair procedure must be followed as additional screw fixings are used).



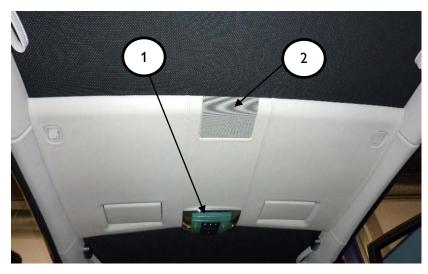
Preliminary work required;

- 1. Removing and installing sun visor counter support REP 51 16 080
- 2. Removing and installing complete interior roof light (front) REP 63 31 000
- 3. Removing and installing front roof frame trim REP 51 44 ... (If option RS2 sunroof if installed the correct instruction must be followed)



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Removing and installing centre roof frame trim REP 51 44 ... (If option code RS2 tilt/slide sunroof is installed the correct repair procedure must be followed.)



Preliminary work required;
1. Removing and refitting rear console insert REP 51 44 180

- 2. Removing and installing module for interior movement detector REP 65 75 071
- 3. Removing and installing centre roof frame trim REP 51 44 ...

Removing and installing rear roof frame trim REP 51 44 ... (If one of the following option codes REA/REH/REK rear window curtains are installed, the correct repair procedure must be followed.)



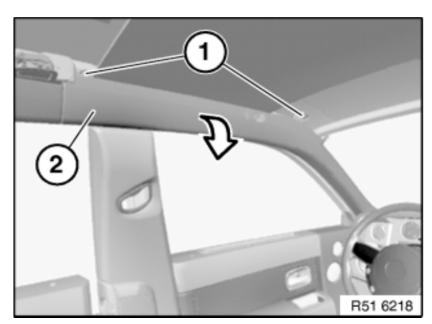
Preliminary work required;
1. Removing a moving curtain /
Removing and installing rear
window curtain REP 51 46 ...

2. Removing and installing rear roof frame trim REP 51 44 ...



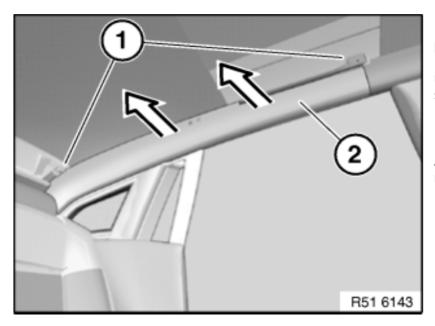
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After removal of all roof frame trims, front and rear grab handles must be removed. The removal procedure is identical for both front and rear grab handles REP 51 16 480 / 51 16 450.



Removing and installing front roof pillar trim REP 53 43 201, remove screws (1) and remove trim (2) in direction shown.

Ensure trim and dash panel is protected during removal. Any clips damaged during removal must be replaced.



Removing and installing rear roof pillar trim REP 52 43 251. Remove screw fixings (1) and remove trim (2) in direction shown.

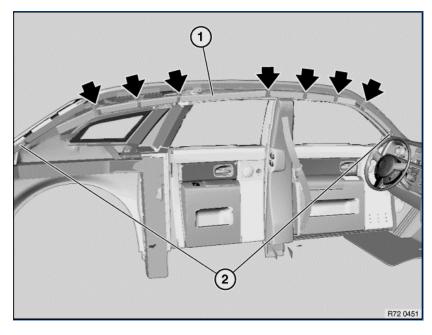
Any fixings damaged during removal must be replaced.

Trim parts removed from the vehicle must be stored safely to prevent unwanted damage.





On EWB vehicles the rear roof pillar trim is extended. The front fixing is fragile and extra care must be taken during removal. The fixing is located 330mm from the front of the trim as highlighted.



The curtain airbag fixings are now accessible. Remove 7 fixings per side (highlighted by arrows)

Removal is identical for both sides of the vehicle.

Fixings are single use and <u>must</u> be replaced if the airbag is refitted.





Lower the curtain airbag in preparation for inspection into the position shown.

The airbag material is fragile and must not be damaged.

The airbag brackets have sharp edges and suitable protection must be taken to protect leather.

If, after inspection the curtain airbag does not require replacement, the vehicle must be re-assembled. During the refitting of the curtain airbag, <u>new fixings bolts</u> must be used. Curtain airbag fixings must be tightened to a torque of 11 Nm (ISTA setting 72 12 2AZ).

Re-assemble the vehicle, any damaged trim fixings must be replaced.

After re-assembly of the vehicle, sufficient testing of the vehicle must be completed to ensure noise inside the vehicle cabin is satisfactory.

If an inspection of the curtain airbag has identified the need to replace either one or both curtain airbags, please following additional repair steps starting on page 6 of this bulletin.



Carry out the replacement of the curtain airbags:

To access the rear fixing of the curtain airbag, both rear storage shelf (parcel shelf) sections must be removed. Repair instructions differ if either of the following options are fitted;

- With or without electric rear seat adjustment
- With or without rear window curtain

Removing and refitting/replacing rear storage shelf (parcel shelf) REP 51 46 000

Please note removal of the rear storage shelf (parcel shelf) differs depending on whether the vehicle is fitted with or without electric rear seats and with or without rear window curtain fitted.

Removing and refitting front storage shelf (parcel shelf) REP 51 46 ...

A Removal of electric rear seats is recommended at this stage to allow better access and lower the risk of damage.



Preliminary work required; Version without electric rear seat adjustment; Removing and installing backrest for left or right rear seat (normal) REP 52 24 015

Or

Version with rear electric seat adjustment; Removing and installing rear left or right rear seat REP 52 25 010



Removing and refitting rear storage shelf (parcel shelf) 51 46 000 (version with rear window curtain)

If rear window curtain is fitted the following instructions must be completed before the rear window storage shelf is removed;

- Instructions for removing a moving curtain REP 51 46 ... (the curtain should have previously been removed from the rail during the removal of the rear side pillar trim)
- Disconnecting Bowden cables of electric curtains 51 46 ...



Preliminary work required; Version with rear electric seat adjustment; Removing and refitting centre console (rear) REP 51 16 ...



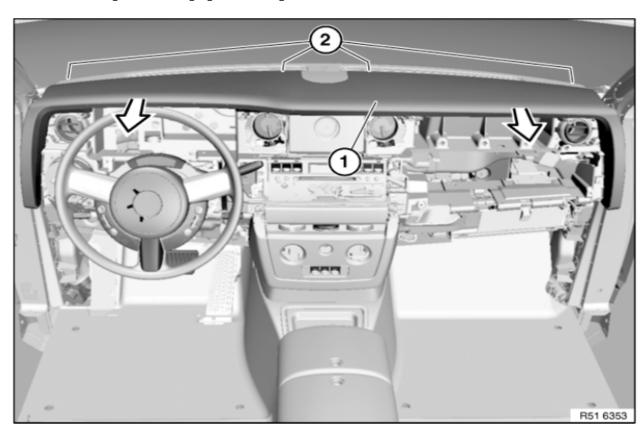
The rear airbag fixing is now accessible once both rear storage shelves are removed.

Any attempt to access the rear curtain airbag fixing may result in irreparable damage to the rear storage shelf trim.



Removing and installing instrument trim panel trim (2) completely following ISTA REP 51 45 030 *Preliminary work required;*

- Removing and installing airbag module for passenger knee protection REP 72 12 006
- Removing and installing right glove box REP 51 16 360
- Removing and installing instrument panel REP 62 11 280
- Removing and refitting driver's side knee-level air vent REP 64 22 ...
- Removing and installing centre fresh air grille trim REP 51 45 ...
- Removing and installing right fresh air grille trim REP 51 45



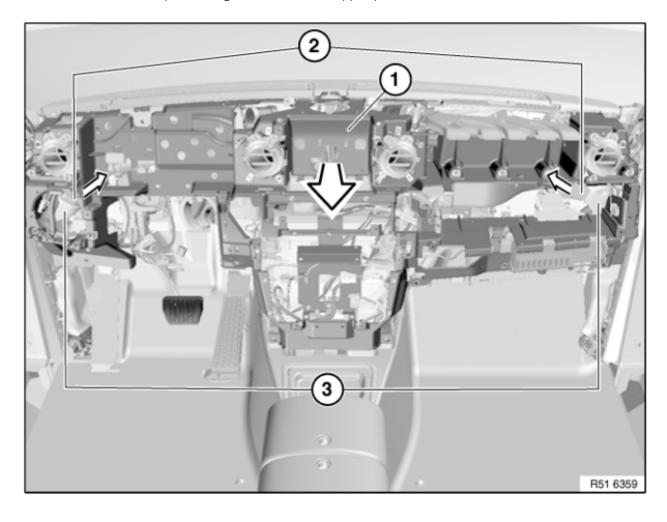


Removing and installing dashboard support REP 51 45 ...

• Only follow removal instructions until the front curtain airbag fixing can be accessed. The dashboard support does not require complete removal.

Preliminary work required;

- Removing and installing airbag module on passenger side REP 72 12 000
- Removing and installing complete display unit REP 65 52 ...
- Removing and installing emergency operation REP 24 50 010
- Removing and installing light switch unit REP 61 31 033
- Removing and installing complete steering column REP 32 31 090 (Steering column does not need full removal only detaching from dashboard support)





The front fixings of the airbag are now accessible, once the dashboard support has been moved forward.

(For clarity purposes only the dashboard support is removed, fixings can be accessed without complete dashboard support removal).



Removing and installing/replacing left curtain airbag ISTA REP 72 12 045 (remaining two fixings)

Please note that although repair instructions are only listed for the left-hand side curtain airbag assembly although the repair for the right-hand side is identical.

- Ensure that seat covers are installed at all times whilst carrying out procedure.
- Take extra care when removing rear seats to avoid damage to surrounding trims.
- Due care and attention is required during removal of leather or wood trims.
- Trim parts removed from the vehicle must be stored safely.
- When removing rear roof pillar trim on a EWB it is necessary to observe extreme care to avoid irreparable damage to trim and fixing elements.



3. Parts Information

a) To prepare the vehicle for the curtain airbag inspection the following part numbers are required:

Part	Part number	Quantity
Securing bolts Airbag	Contact Goodwood	14
Trim Clips (Black)	51 43 7 115 719	10
Trim Clips (Grey)	51 43 7 115 720	10
Trim Clips (Blue)	51 43 7 115 721	10
Trim Clips (Yellow)	51 43 7 115 722	10
Clip upper part	51 43 8 267 321	40
C Clip	07 14 6 988 451	8

b) To carry out a complete replacement of both curtain airbags the following part numbers are required:

Part	Part number	Quantity
Airbag RHS	72 12 7 170 284	1
Airbag LHS	72 12 7 170 283	1
Airbag RHS <u>EWB ONLY</u>	72 12 9 131 886	1
Airbag LHS EWB ONLY	72 12 9 131 885	1
Air bag generator securing nut	64 50 9 123 157	4
Steering wheel securing nut	32 31 1 159 951	1
ISA screw	07 12 9 903 977	9
Fillister head self-tapping screw	07 14 7 137 416	4
Mounting screw	07 12 9 904 294	10
Screw	07 14 9 115 641	4
WAVE WASHER	51 45 7 115 715	12
Self-locking hex nut	07 14 9 130 026	4
Fillister head screw	07 14 9 144 403	4
Torx-countersunk screw	07 14 6 980 129	3
Fillister head screw	07 14 9 148 309	3
Fillister head screw	07 14 7 075 093	6
Fillister head screw	07 14 9 148 299	4
Hex Bolt	07 11 9 903 995	2
ISA screw	07 12 9 904 444	4
Washer	07 11 9 904 446	2

Note: Parts list continues onto the next page.



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Part	Part number	Quantity
Hex nut	07 12 9 904 872	4
Torx-bolt with washer	07 14 7 234 925	4
Screw	62 11 8 375 035	6
Hex nut with plate	07 12 9 906 887	4

Contact Goodwood to Order:

Part	Part number	Quantity	
HEX-HD fillister head screw with washer	9 141 450	1	
Hex nut	07 12 9 904 873	12	

For US cars only:

Part	Part number	Quantity
ISA screw	07 12 9 903 977	6

Option codes:

RS3 Theatre Configuration Lounge Seat

RP1 Business Package 1 RS1 Individual Seats Rear

4UK 5 Seats

4. Warranty Information

Claims are subject to current warranty terms.

Defect Code 00 72 67 01 00

Labour Code	Description	Labour	Notes
72 99 000	Prepare vehicle for inspection	60 FRU	Inspection Only
72 99 000	Carry out replacement	300 FRU	Time includes
			inspection time

Note: Only one labour codes applies depending on the repair