

2012.0 RANGE ROVER (LM), 501-02

FRONT END BODY PANELS

FENDER SPLASH SHIELD

[G1236453]

REMOVAL AND INSTALLATION

76.10.48	LINER - FRONT WHEEL ARCH - FRONT - LEFT/SINGLE - RENEW	ALL DERIVATIVES	0.7	USED WITHINS	+
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REMOVAL

- WARNING:**

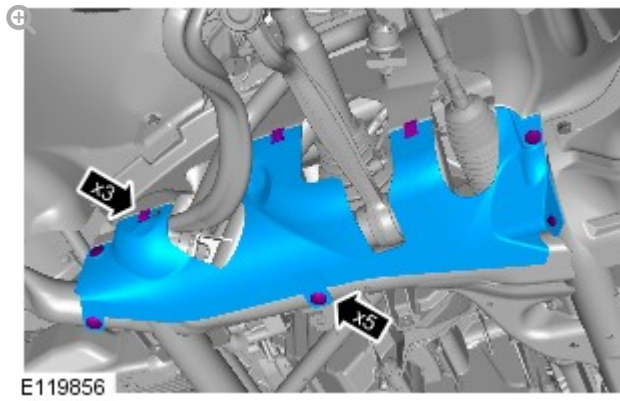
Do not work on or under a vehicle supported only by a jack.
Always support the vehicle on safety stands.

Raise and support the vehicle.

- Remove the front wheel.
-

- NOTE:**

RH side only.

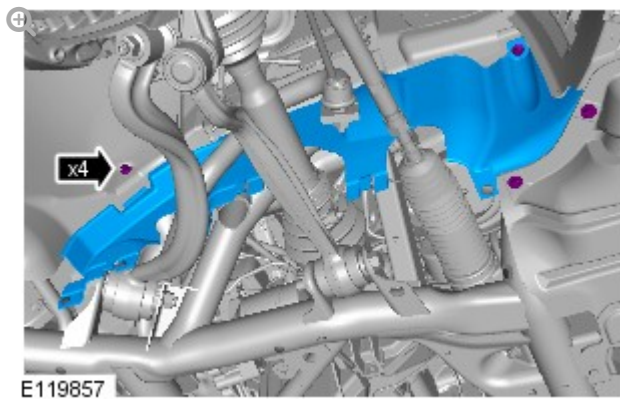


Remove the fender splash shield lower extension panel.

4.

NOTE:

RH side only.

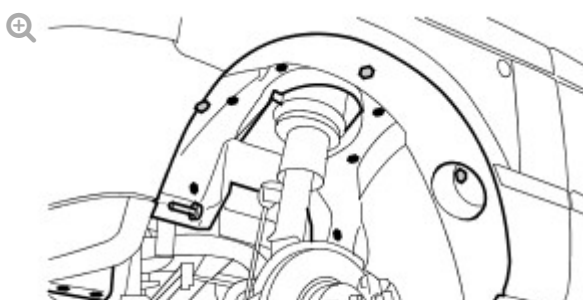


Remove the fender splash shield upper extension panel.

5.

CAUTION:

LH illustration shown, RH is similar.





Remove the front fender splash shield.

- Remove the 3 nuts.
- Remove the 13 screws.
- Disconnect the tire pressure monitoring system front antenna electrical connector.

6.

NOTE:

Do not disassemble further if the component is removed for access only.

Remove the tire pressure monitoring system front antenna.

- Release the 2 clips.

INSTALLATION

1. Install the tire pressure monitoring system front antenna.

2. Install the front fender splash shield.

- Connect the tire pressure monitoring system front antenna electrical connector.
- Tighten the screws.
- Tighten the nuts.

3.

NOTE:

RH side only.

Install the fender splash shield upper extension panel.

- Tighten the bolts to 8 Nm (6 lb.ft).

4.

NOTE:

RH side only.

Install the fender splash shield lower extension panel.

5. Install the front wheel.

- Tighten the wheel nuts to 140 Nm (103 lb.ft).

2012.0 RANGE ROVER (LM), 501-02

FRONT END BODY PANELS

HOOD LATCH PANEL (G1234923)

REMOVAL AND INSTALLATION

76.16.22	PLATFORM - HOOD LATCH - RENEW	ALL DERIVATIVES	1.8	USED WITHINS	+
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REMOVAL

NOTE:

Removal steps in this procedure may contain installation details.

1. Disconnect the battery ground cable.
Refer to: Specifications (414-00, Specifications).

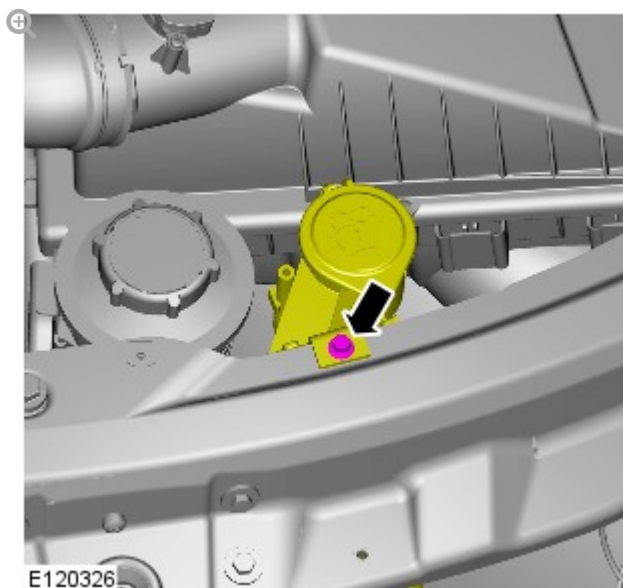
2. **WARNING:**

Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

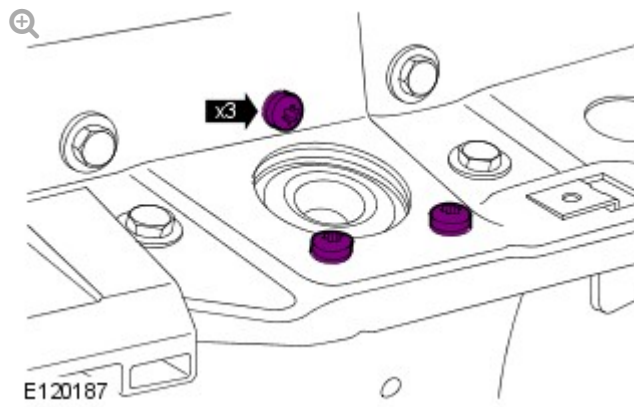
3. Refer to: Headlamp Assembly (417-01, Removal and Installation).

- 4.



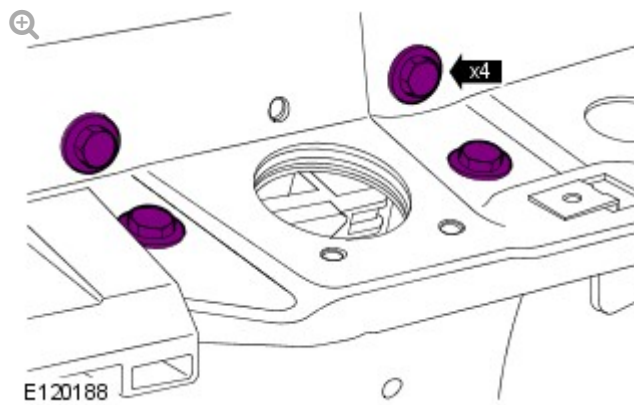
Torque: 4 Nm

5.



Torque: 7 Nm

6.

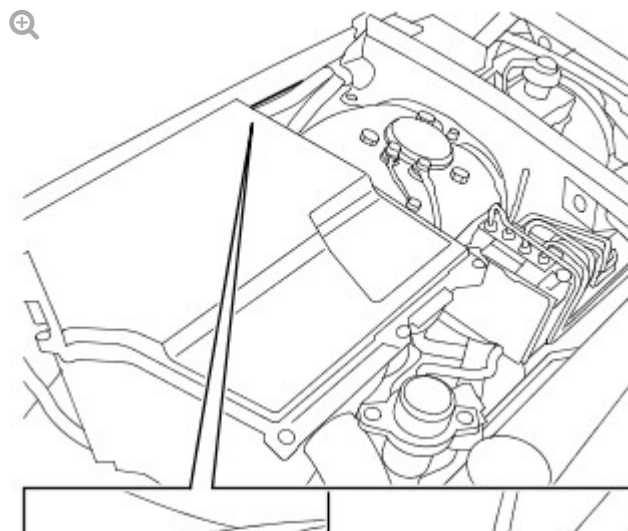


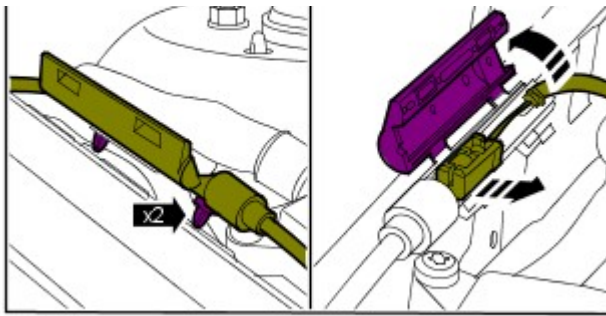
Torque: 7 Nm

7.

NOTE:

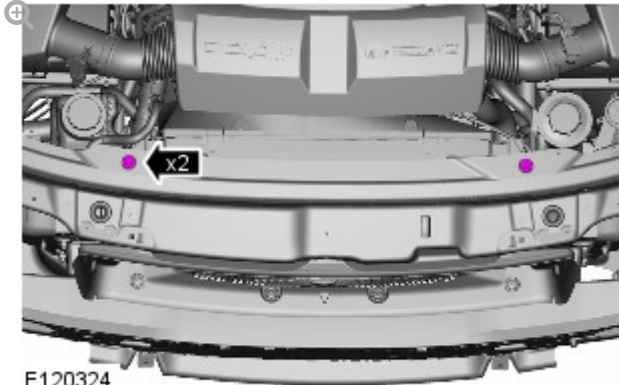
Some variation in the illustrations may occur, but the essential information is always correct.





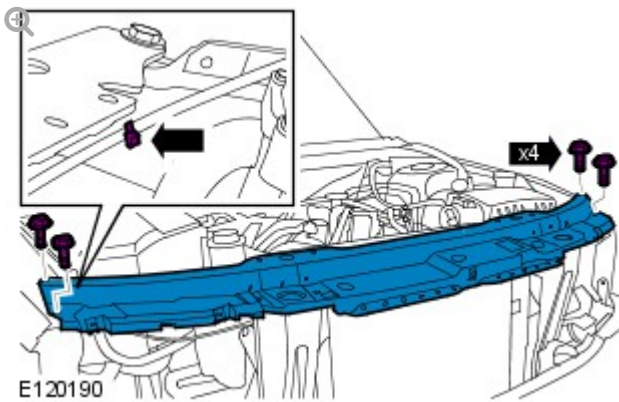
E120189

8.



E120324

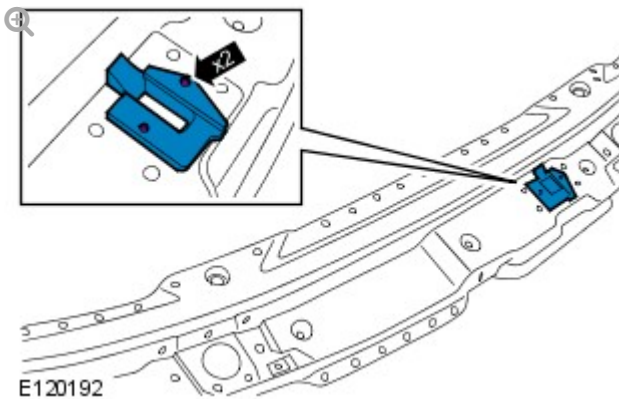
9.



E120190

Torque: 22 Nm

10.



E120192

INSTALLATION

1. To install reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-02

FRONT END BODY PANELS

RADIATOR GRILLE SUPPORT

[G1226557]

REMOVAL AND INSTALLATION

REMOVAL

NOTES:

- Removal steps in this procedure may contain installation details.
- The ignition must be switched off.

1.

WARNING:

Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

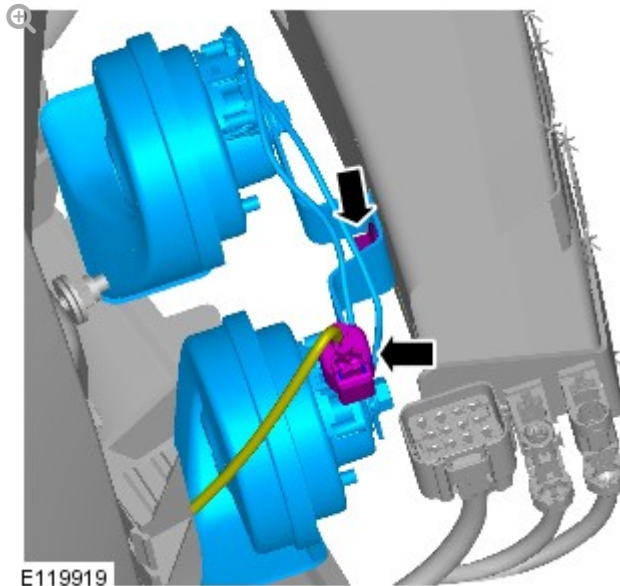
2.

NOTE:

The procedure must be carried out on both sides.

Refer to: Headlamp Assembly (417-01, Removal and Installation).

3.

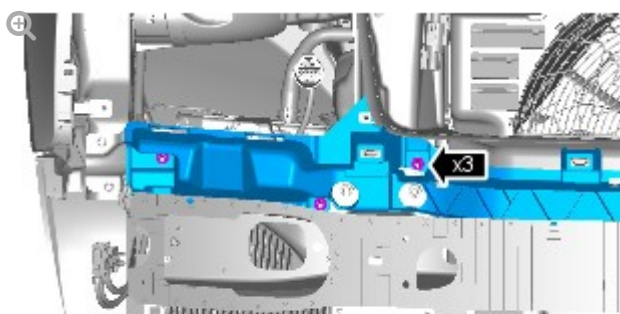


Torque: 20 Nm

4.

WARNING:

Make sure that new nuts are installed.



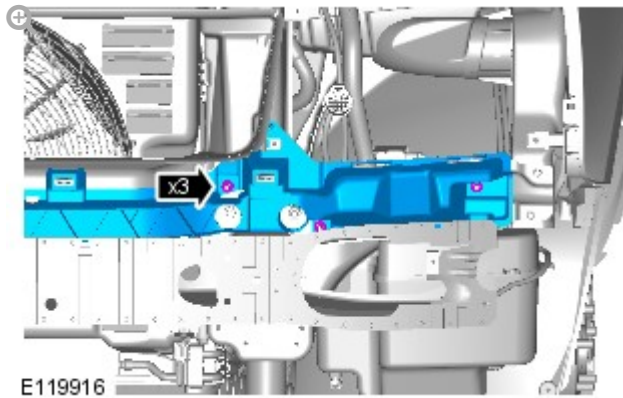


Torque: 4 Nm

5.

WARNING:

Make sure that new nuts are installed.

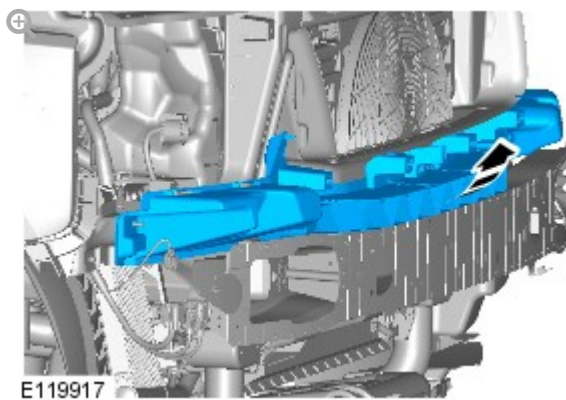


Torque: 4 Nm

6.

CAUTION:

Protect the surrounding trim from damage when changing the component.



1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-02

FRONT END BODY PANELS

RADIATOR SPLASH SHIELD

(G1223880)

REMOVAL AND INSTALLATION

	UNDERTRAY				
76.11.81	- ASSEMBLY - FRONT - RENEW	ALL DERIVATIVES	0.4	USED WITHINS	+

REMOVAL

NOTE:

Some variation in the illustrations may occur, but the essential information is always correct.

1.

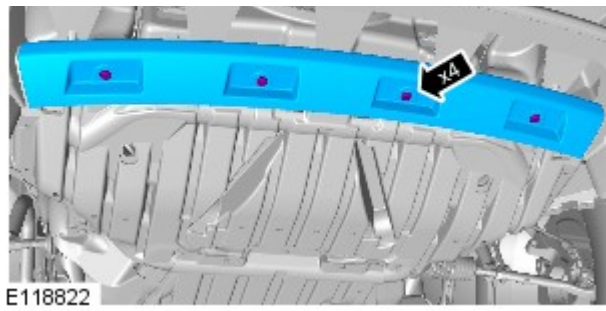
WARNING:

Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

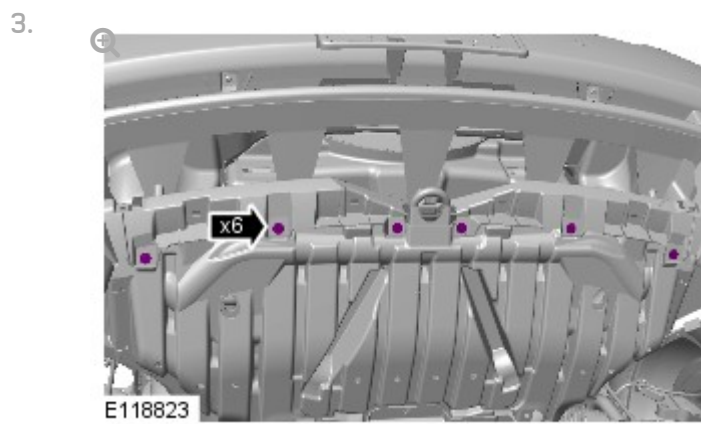
2.





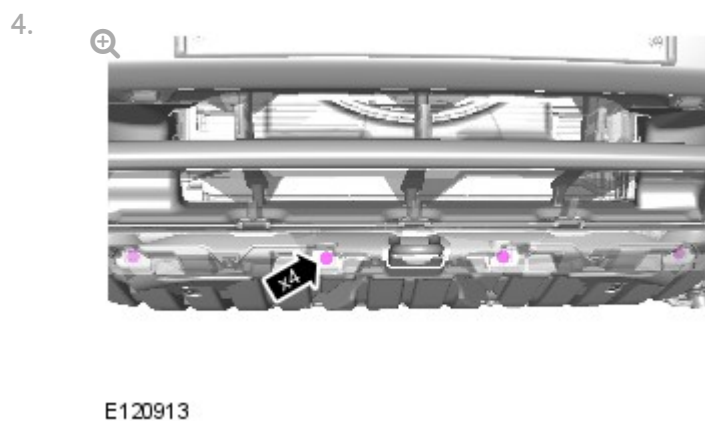
Remove the towing eye cover.

- Release the 4 clips.



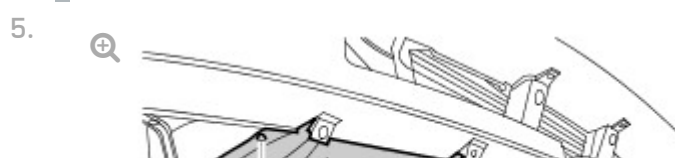
Release the radiator splash shield.

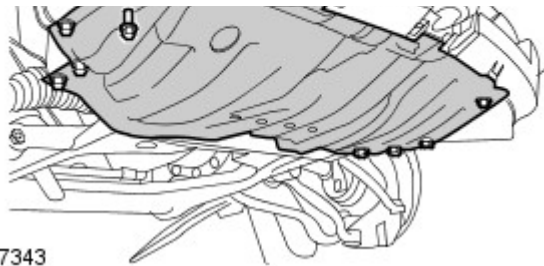
- Remove the 6 screws.



Release the radiator splash shield.

- Remove the 4 screws.



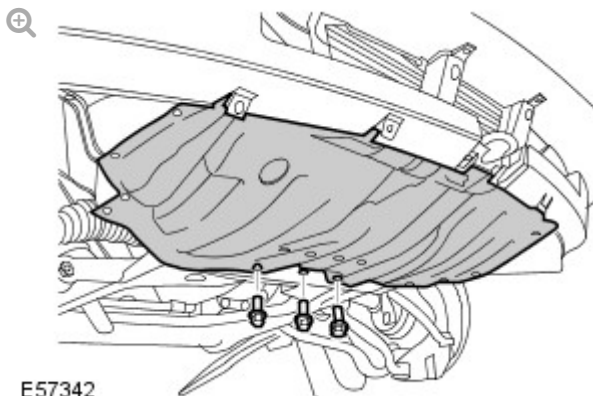


E57343

Release the radiator splash shield.

- Remove the 8 screws.

6.



E57342

Remove the radiator splash shield.

- Remove the 3 screws.

7.

NOTE:

Do not disassemble further if the component is removed for access only.

Remove the 6 clips.

INSTALLATION

1. Install the radiator splash shield.

- Install new clips.
- Tighten the screws.

2. Install the towing eye cover.

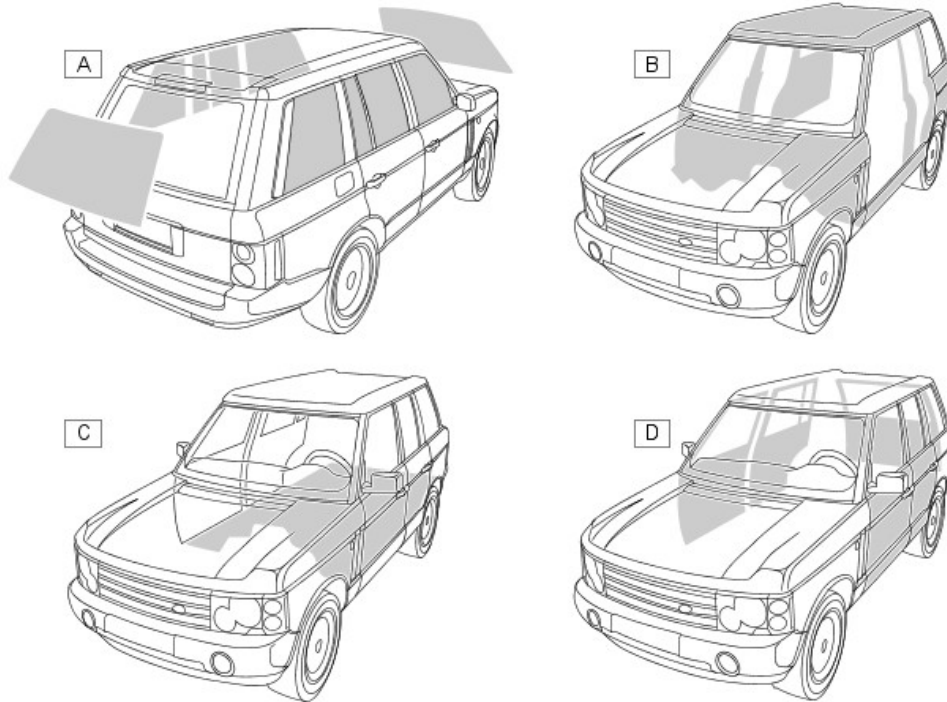
- Secure with the clips.

2012.0 RANGE ROVER (LM), 501-03

BODY CLOSURES

DESCRIPTION AND OPERATION

BODY PROTECTION



E72377

EXTERIOR PROTECTION

ITEM	DESCRIPTION
1	Glass
2	Body shell
3	Floor pan
4	Doors and taildoor

BODY

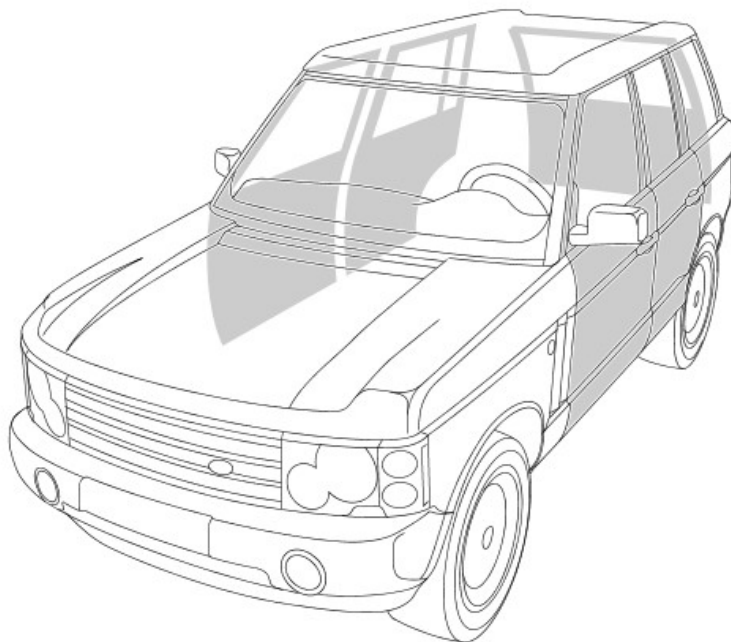
This is the area where the most significant modifications have been made. In the engine compartment, the battery and the 'E' box are protected by steel armour and in the luggage compartment the spare wheel cover is also armoured. The exterior of the vehicle has substantial protection, details of which are given below.

BODY

This is the area where the most significant modifications have been made. In

the engine compartment, the battery and the 'E' box are protected by steel armour and in the luggage compartment the spare wheel cover is also armoured. The exterior of the vehicle has substantial protection, details of which are given below.

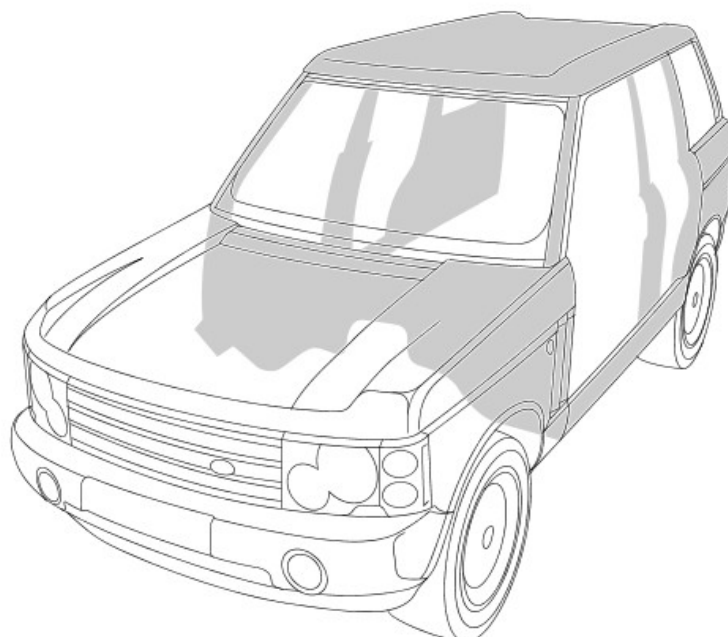
DOORS AND TAIL DOOR



E72381

The doors and tail door are all re-inforced with steel armour. The door returns are also steel armoured, to prevent objects entering the vehicle through door gaps

BODY SHELL

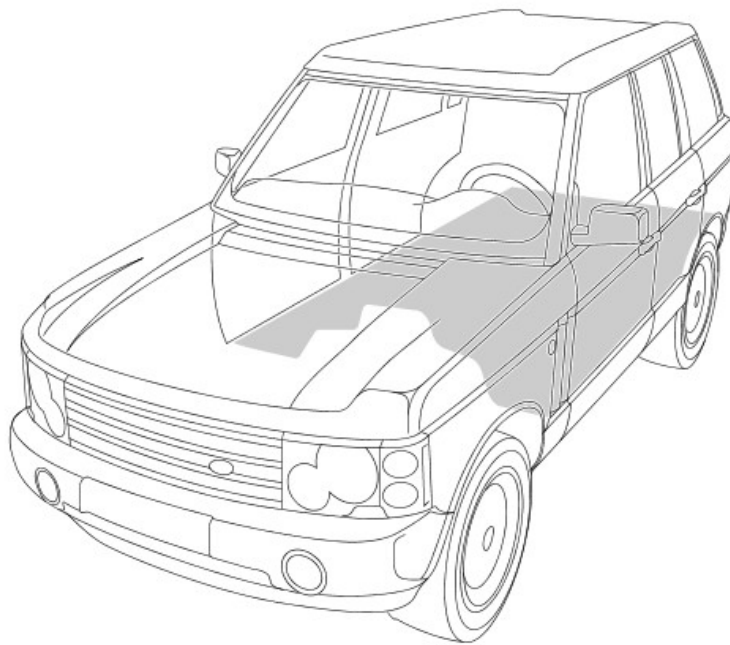


E72382

Steel armour is also added to the following areas of the body shell.

- Front bulkhead.
- Roof.
- Rear three-quarter panels.
- 'A' posts.
- 'B/C' posts.
- 'D' posts.
- Sills.

FLOOR PAN



E72383

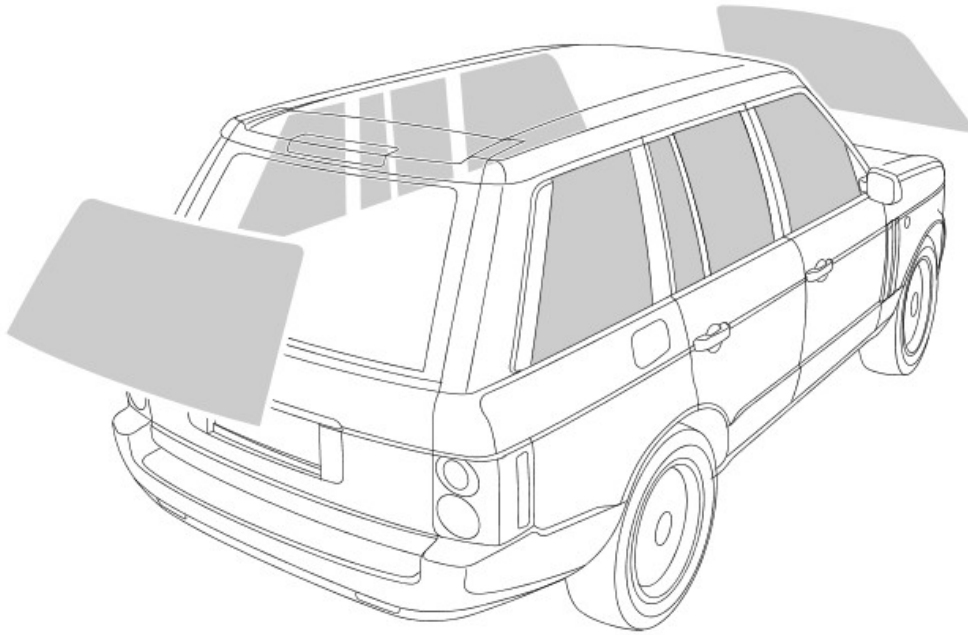
The floor pan is protected by the addition of a woven Kevlar blanket and this, taken with the armour on the remainder of the body makes the passenger compartment of the Range Rover an extremely well protected environment.

GLASS

CAUTION:

The interior surface of the glass is susceptible to scratching, take care when cleaning the glass. Refer to Owner's Handbook for details.

when cleaning the glass. Refer to Owner's Handbook for details.



E72384

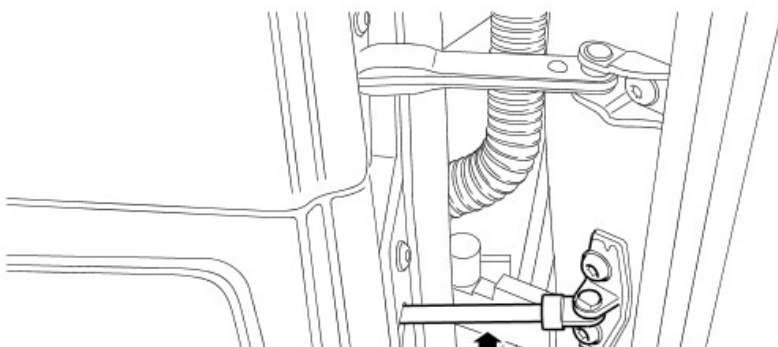
The glass is armoured and of multiple layer construction. The thickness varies with individual specification, but is a minimum of 21 mm (0.82 in).

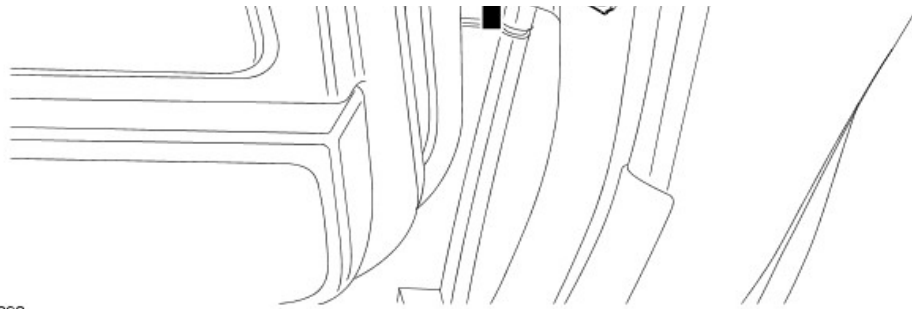
The side windows are permanently closed, but can be specified with the option of electrically operated, partially opening side windows.

DOORS

CAUTION:

It is recommended that the doors are not opened until the vehicle has come to a complete stop. The combined effect of the residual speed of the vehicle and the weight of the door could overcome the door stop system.





E72393

The door hinges, spindles and door stop mechanisms have been reinforced to support the additional weight of the armour. Gas struts have been fitted to aid door opening and prevent involuntary shutting, which could cause injury.

LIFTGATE



E72394

The upper liftgate incorporates updated gas struts to support the additional weight of the armour.

The lower liftgate features two gas struts, which control the opening and aid shutting of the door.

FEATURES

WARNINGS:

- The weight of the individual components fitted to the vehicle are far in excess of those fitted to the standard vehicle. As an example, the windscreen weighs approximately 100 Kg (220 lb) and the rear screen weighs approximately 56 kg (125 lb). Always make sure that you are aware of the weight of any component BEFORE attempting to remove it from the vehicle, and have suitable equipment available to assist you.
- The weight of the vehicle is significantly greater than the standard Range Rover, particularly the rear of the vehicle. Always ensure that any jacks, lifts or hoists are capable of carrying these loads. As a guide, the approximate comparative weights are given below.

The armoured Range Rover has been developed by the Special Vehicles team within Land Rover.

The list of modifications to the vehicle is extensive and includes the following areas of the vehicle.

- Engine management
- Exhaust system
- Suspension
- Brakes
- Wheels and tyres
- Restraint system
- Body panels and doors
- Glass
- Interior trim
- Electrical system

Standard Range Rover

- Kerb weight = 2587 kg, 5701 lb
- Front axle weight = 1241 kg, 2735 lb

- Rear axle weight = 1346 kg, 2966 lb

Armoured Range Rover

- Kerb weight = 3700 kg, 8155 lb
- Front axle weight = 1555 kg, 3427 lb
- Rear axle weight = 2220 kg, 4892 lb

ENGINE MANAGEMENT

NOTE:

It is imperative that the appropriate software is installed into this ECM. In the event of any doubt, guidance should be sought from the Land Rover technical help-line.

The engine management systems for V8 have had the software in the Engine Control Module (ECM) revised to improve the low speed driveability and the top speed has been artificially limited on all vehicles. This change was deemed necessary to take into account the additional weight of the vehicle.

If the ECM is replaced, the revised software must be loaded using T4 CD version 8 or later.

EXHAUST SYSTEM

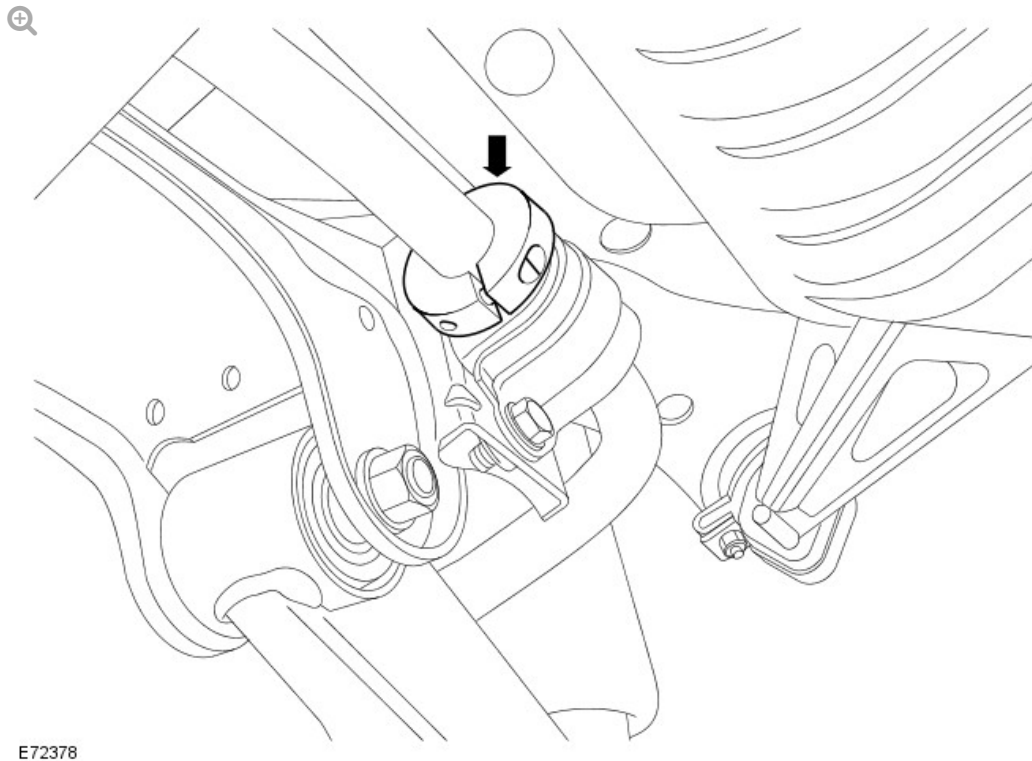
The exhaust system is exactly the same as the standard Range Rover. The exhaust tail pipe is available with the option of an anti-blocking feature, which has a number of holes drilled around the tail pipe circumference. These holes ensure that the engine cannot be stalled by an attacker blocking the end of the exhaust pipe. If this is attempted, the radial holes, will remain unobstructed, allowing exhaust gases to escape through them, thereby permitting the engine to continue running.

SUSPENSION

Changes to the suspension system include both mechanical components in the form of revised stabilizer bar and fixings and air suspension components.

Front and rear suspension

front and rear suspension



The diameter of the anti-roll bars is increased over the standard vehicle and the bushes on both front and rear bars have been changed to a non bonded type, which are serviceable. Both front and rear anti-roll bar brackets have anti-shuffle collars fitted adjacent to them, to prevent the anti-roll bar moving within its bushes.

Air suspension



Because of the additional weight of this vehicle, the off-road height setting on the air suspension has been inhibited.

The rear suspension air springs are updated with revised pistons to handle the additional weight. They can be identified by the polished metal finish at

the additional weight. They can be retained by the polished metal mesh at their base.

The air suspension compressor has been moved forward and has been modified to cope with the additional weight of the vehicle, particularly at the rear. A compressor cooling fan is fitted to the rear of the compressor housing, and this fan runs permanently with the ignition on. The cooling fan is the same type as fitted to the E-box under the bonnet. An air intake silencer is connected to the compressor and this is located in the LH rear corner of the spare wheel well.

BRAKES



The braking system has been modified to compensate for the additional weight of the vehicle. Up-rated 'Alcon' callipers are fitted with larger diameter, ventilated discs all-round. The diameter of the discs is increased from 342 mm (13.5 in) at the front and 353 mm (13.9 in) at the rear to 378 mm (14.88 in) all-round. Each calliper is fitted with two bleed screws and these are protected by tamper proof shields.

New two-piece dust shields are fitted behind the brake discs, these can be replaced without dismantling the hubs.

WHEELS AND TIRES

NOTES:

- The maximum distance that can be driven on a punctured tyre can vary greatly depending on the type of terrain.
- The vehicle is fitted with directional tyres and should always be fitted in accordance with the direction of rotation symbol on the tyre.

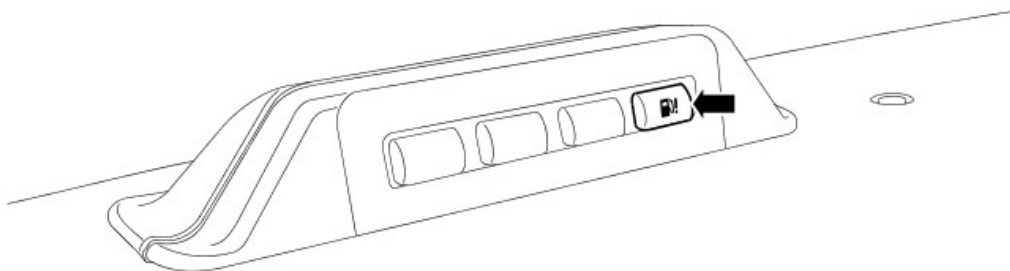
tyre.

The tyres are Goodyear Wrangler EMT (Extended Mobility Technology) which are a special type of run-flat tyre. They are manufactured with extremely rigid side-wall construction to assist their run-flat capability. In the event of a puncture, the vehicle can still be driven at a reduced speed of 50 km/h (30 mph) ; for a distance of approximately 50 km (30 miles) with a front wheel puncture or approximately 30 km (20 miles) with a rear wheel puncture.

A full size spare wheel is supplied with all vehicles.

INTERIOR TRIM

Interior trim changes are necessary to accommodate the extra thickness of the glass. The remaining change to trim is the additional switch panel mounted on top of the fascia.



E72395

The vehicle has been fitted with an additional switch pack, mounted on the top of the fascia. The switch pack houses the fuel shutoff switch, which is located closest to the driver. There are three additional switch positions in the switch pack, which allow the option of additional systems to be fitted to the vehicle.

2012.0 RANGE ROVER (LM), 501-03

BODY CLOSURES

DOOR (G928736)

REMOVAL AND INSTALLATION

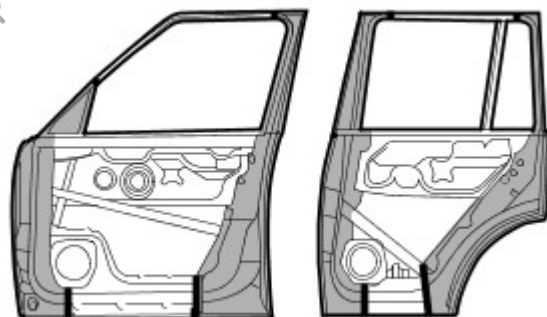
REMOVAL

NOTES:

- The doors are serviced as complete assemblies. The door skins are not available as serviceable items.
- The doors are made from aluminum. The door inner assemblies are made of pressed panels and die-cast panels, which are joined together using a combination of riveting and bonding.

-
1. Protect the bodywork as necessary to prevent damage to the vehicle or paintwork.
-

2.



M772221A

Remove the door.

INSTALLATION

CAUTION:

The shaded areas in the above illustration highlights the cast aluminum panels. These panels cannot be repaired, if damage occurs to these panels then the whole door must be replaced.

1. Protect the bodywork as necessary to prevent damage to the vehicle or paintwork.
 2. Install the door.
-

2012.0 RANGE ROVER (LM), 501-03

BODY CLOSURES

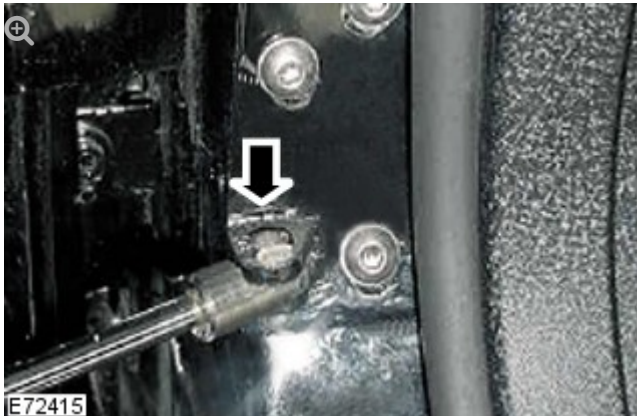
FRONT DOOR CHECK ARM - ARMOURED (G840496)

REMOVAL AND INSTALLATION

REMOVAL

1. Remove the trim casing from the door.
For additional information, refer to: Front Door Trim Panel (501-05, Removal and Installation).

2.



Remove the circlips from the pin securing the gas strut to the door pillar.

3. Extract the pin and release the gas strut fork.

4.



Mark the position of the bracket mounted on the door, for reassembly purposes.

5. Remove the two nuts securing the gas strut to the door and remove the gas strut.

INSTALLATION

1. To refit the strut, reverse the removal procedure, ensuring that the bracket on the door is aligned with the reference marks. Tighten the bolts securing the bracket to the door to 25 Nm (18 lbf.ft).

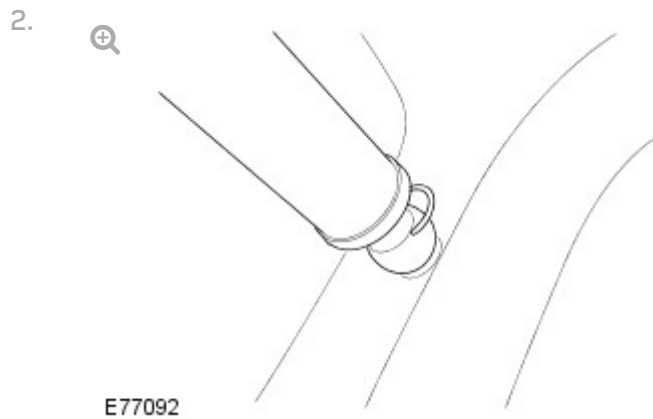
2012.0 RANGE ROVER (LM), 501-03

BODY CLOSURES

LIFTGATE STRUT (G843206)

REMOVAL

1. Raise the liftgate and support with a block of wood.
-



Remove the circlip securing the gas strut top mounting.

3. Remove the circlip securing the bottom ball joint and remove the gas strut.
-

INSTALLATION

1. The refit procedure is a reverse of the removal.

2012.0 RANGE ROVER (LM), 501-03

BODY CLOSURES

REAR DOOR CHECK ARM - ARMOURED (G840497)

REMOVAL AND INSTALLATION

76.40.29	CHECK STRAP - FRONT DOOR - LEFT/EACH - RENEW	ALL DERIVATIVES	0.6	USED WITHINS	+
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REMOVAL

-
1. Remove the trim casing from the door.

For additional information, refer to: Rear Door Trim Panel (501-05, Removal and Installation).

- 2.



Remove the circlips from the pin securing the gas strut to the door pillar.

3. Extract the pin and release the gas strut fork.
-

- 4.



Mark the position of the bracket mounted on the door, for reassembly purposes.

5. Remove the two nuts securing the gas strut to the door and remove the gas strut.
-

INSTALLATION

1. To refit the strut, reverse the removal procedure, ensuring that the bracket on the door is aligned with the reference marks. Tighten the bolts securing the bracket to the door to 25 Nm (18 lbf.ft).

2012.0 RANGE ROVER (LM), 501-03

BODY CLOSURES

TAILGATE STRUT (G843208)

REMOVAL AND INSTALLATION

REMOVAL

1. Open the tailgate.
-

2.



Remove the circlips securing the gas strut top mounting.

3.





Remove the circlips securing the gas strut bottom mounting, and remove the strut.

INSTALLATION

1. The refit procedure is a reverse of the removal.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

SPECIFICATIONS

Torque Specifications

DESCRIPTION	NM	LB-FT
Ignition switch to in-vehicle crossbeam bracket screws	2	2
Instrument panel upper section large headed screws	3	2
Passive anti-theft system (PATS) module to the heater and evaporator core housing bracket screws	1	1
Wiring harness to in-vehicle crossbeam plastic self tapping nut	2	2
Steering column lower shroud center screw	2	2
Portable camera docking station to lower glove compartment screws	3	2
Upper and lower glove compartment latch to liner screws	2	2
Driver lower air bag trim panel to instrument panel screws	3	2
Veneer trim panel to floor console extension trim panel screws	2	2
Steering column lower shroud outer screws	6	4
Column switchgear and clockspring housing to steering column screws	6	4
Upper glove compartment to instrument panel reinforcement screws	2	2
Heater and evaporator core housing to in-vehicle crossbeam nuts	7	5
C-pillar lower trim panel screw	8	6
C-pillar upper trim panel screw	6	4
* A-pillar trim panel screw	3	2
Footrest trim panel bolt	5	4
Rear seat bolts	40	30
Loadspace luggage tie-down bolt	25	18

*** Indicates a new bolt, nut or screw must be installed.**

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

A-PILLAR TRIM PANEL (G892834)

REMOVAL AND INSTALLATION

76.13.26	TRIM PANEL - A-PILLAR - UPPER - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
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REMOVAL

WARNING:

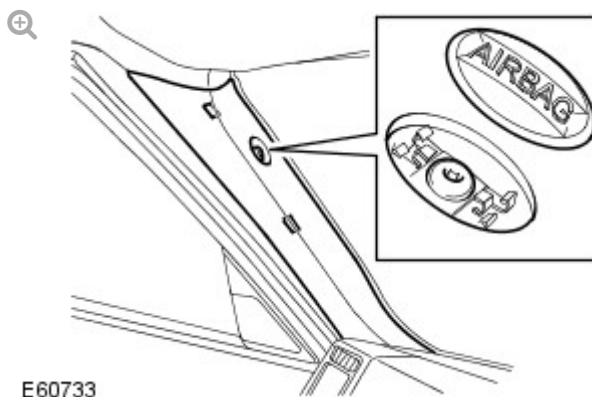
The air bag is mounted directly under this component, extreme care is necessary.

1. Release the door aperture weatherstrip for access.

2. Release the screw cover.

- Remove the Torx screw.

3.



Remove the A-pillar upper trim panel.

- Carefully release the 2 clips.

4.

NOTE:

Do not disassemble further if the component is removed for access only.

Remove the 2 clips.

INSTALLATION

1. Install the clips.

2.

CAUTION

CAUTION:

Make sure the Torx screw is not over tightened. Failure to follow this instruction will result in damage to the vehicle.

Install the A-pillar upper trim panel.

- Secure the clips.
- Tighten the Torx screw to 2 Nm (1.5 lb.ft).
- Install the screw cover.
- Install the door aperture weatherstrip.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

B-PILLAR TRIM PANEL (G1239863)

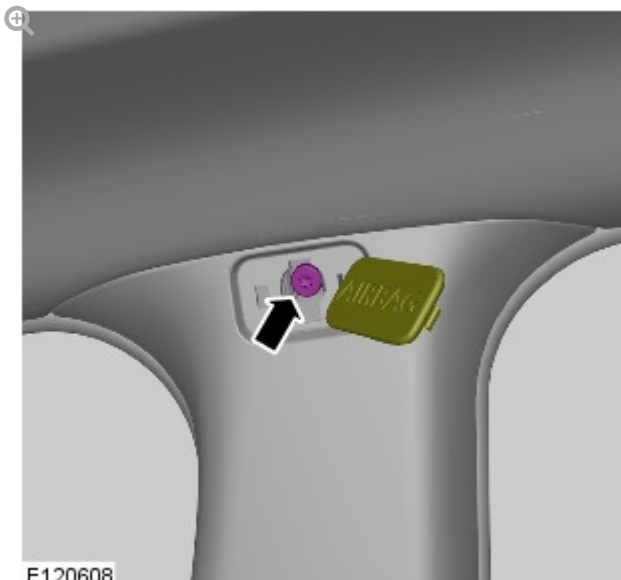
REMOVAL AND INSTALLATION

REMOVAL

NOTE:

Removal steps in this procedure may contain installation details.

1.

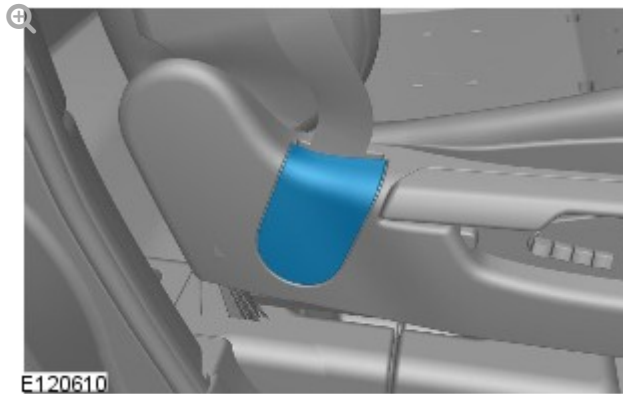


Torque: 6 Nm

2.

NOTES:

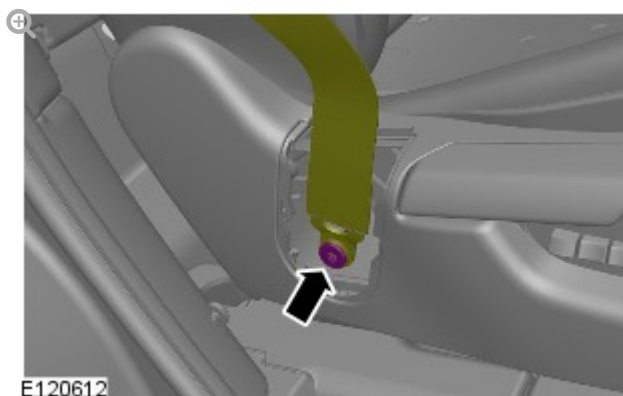
- Release the front safety belt lower anchor bolt cover clip upwards and away from the front seat base side trim panel.
- Raise the seat base for access.



3.

CAUTIONS:

- Make sure the safety belt is secure and correctly installed.
- Make sure that a new bolt is installed.

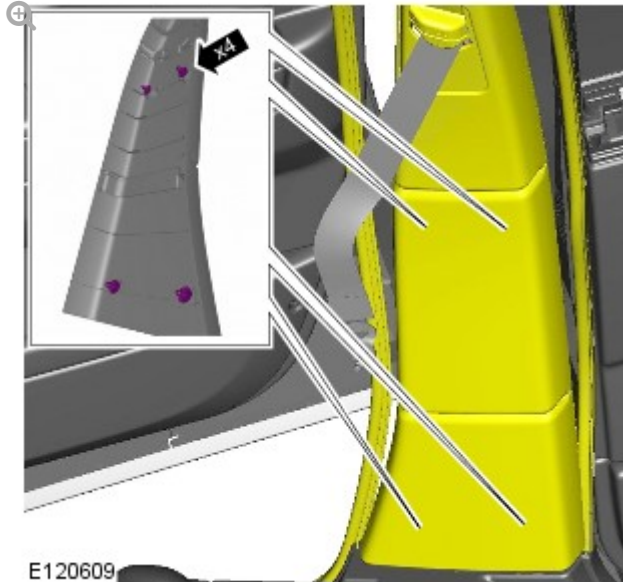


- *Torque: 45 Nm*

4.

NOTES:

- To aid installation, the safety belt height adjuster should be at the lowest position.
- Make sure the safety belt is operating correctly.



5.

CAUTION:

Make sure the safety belt is secure and correctly installed.

NOTE:

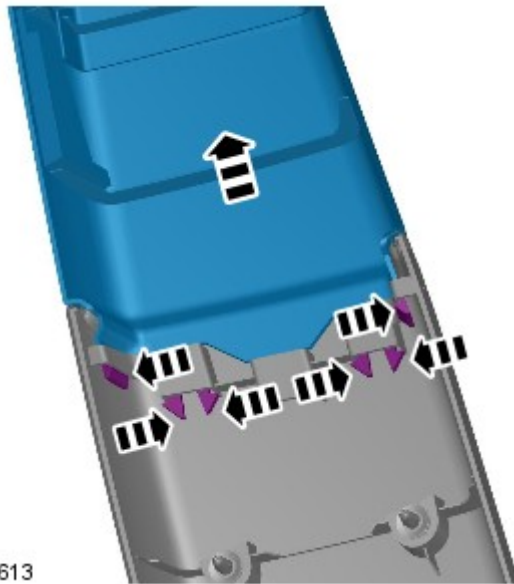
Do not disassemble further if the component is removed for access only.





E120611

6.



E120613

INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

C-PILLAR LOWER TRIM PANEL (G1239867)

REMOVAL AND INSTALLATION

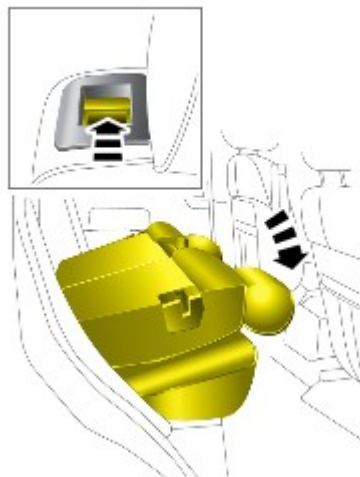
76.13.37	TRIM PANEL - C-PILLAR - LOWER - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
76.13.37	TRIM PANEL - C-PILLAR - LOWER - RENEW	ALL DERIVATIVES	0.2	USED WITHINS	+

REMOVAL

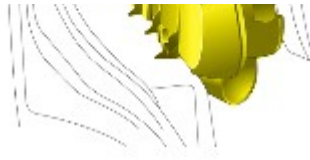
NOTE:

Removal steps in this procedure may contain installation details.

1.



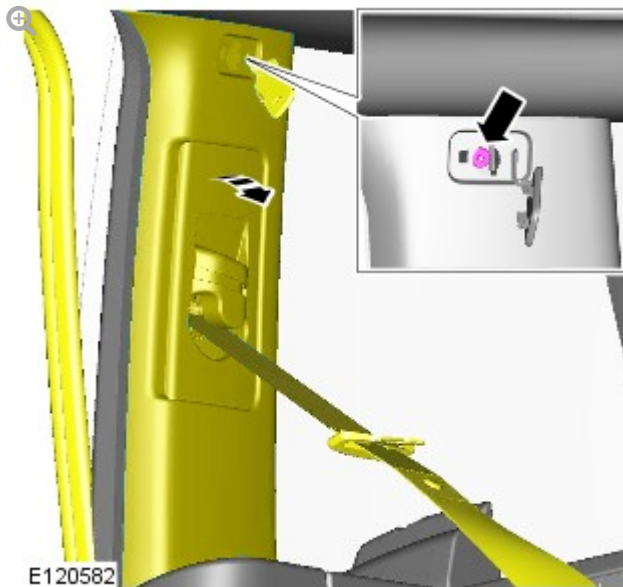
E119611



2.

NOTES:

- To aid installation, the safety belt height adjuster should be at the lowest position.
- Make sure the safety belt is operating correctly.

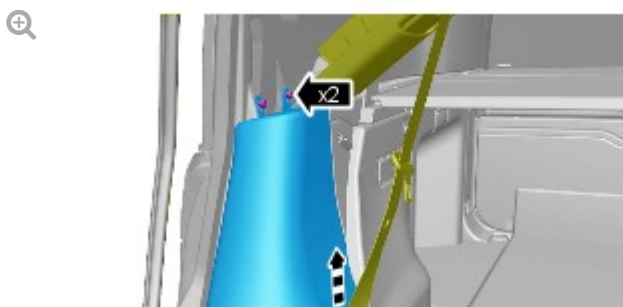


Torque: 6 Nm

3.

NOTE:

Make sure the safety belt is secure and correctly installed.





INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

**C-PILLAR LOWER TRIM
PANEL - ULTIMATE,
VEHICLES WITH: REAR
BUSINESS SEATS** (G1395443)

REMOVAL AND INSTALLATION

TRIM

76.13.37	PANEL - C-PILLAR - LOWER - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
76.13.37	TRIM PANEL - C-PILLAR - LOWER - RENEW	ALL DERIVATIVES	0.2	USED WITHINS	+

REMOVAL

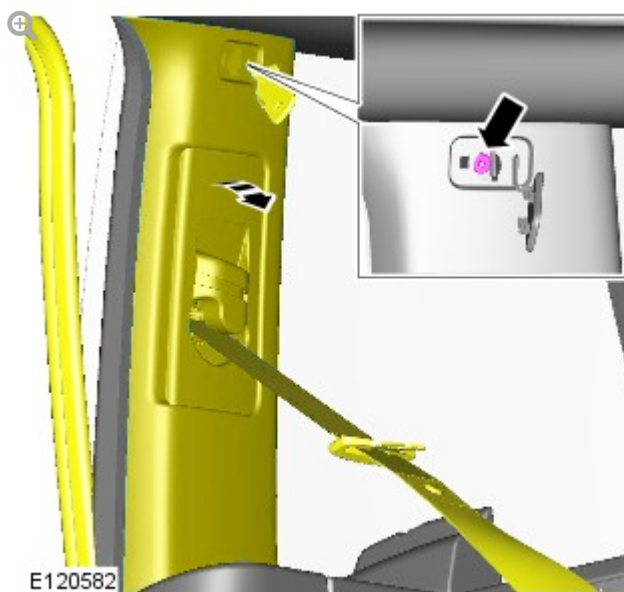
NOTE:

Removal steps in this procedure may contain installation details.

1.

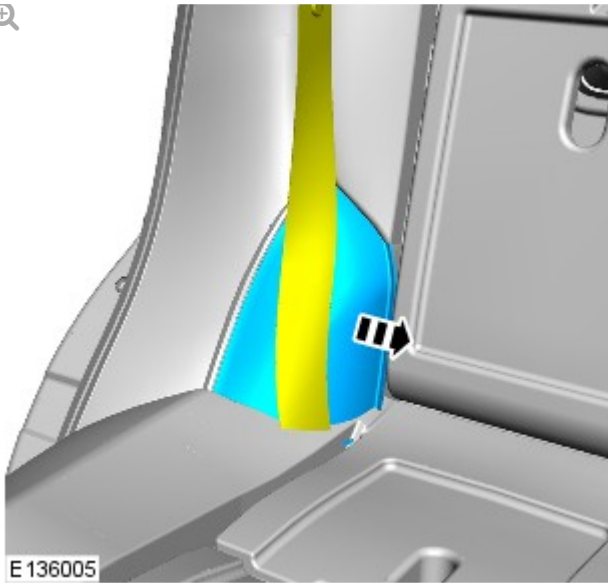
NOTES:

- To aid installation, the safety belt height adjuster should be at the lowest position.
- Make sure the safety belt is operating correctly.



Torque: 6 Nm

2.



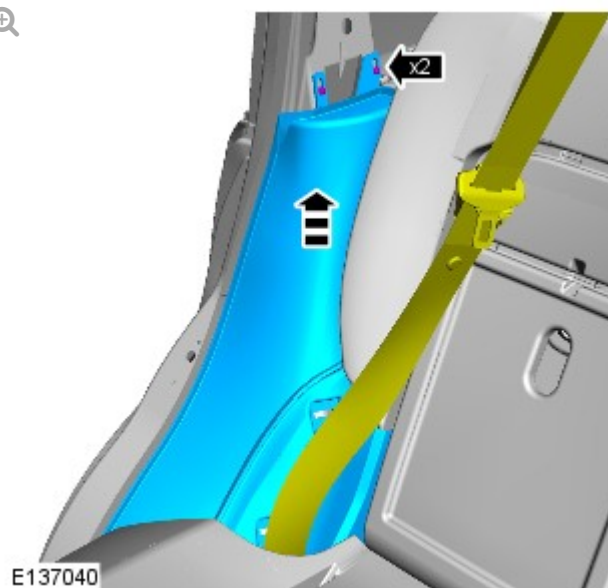
3.

CAUTION:

Take extra care not to damage the wiring harness.

NOTE:

Make sure the safety belt is secure and correctly installed.



1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

C-PILLAR UPPER TRIM PANEL (G1239865)

REMOVAL AND INSTALLATION

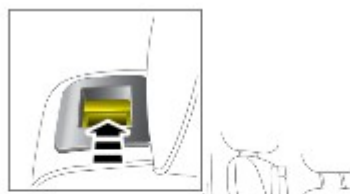
76.13.35	TRIM PANEL - C-PILLAR - UPPER - RENEW	ALL DERIVATIVES	0.2	USED WITHINS	+
----------	---	--------------------	-----	-----------------	---

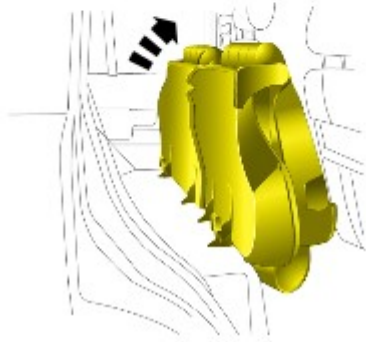
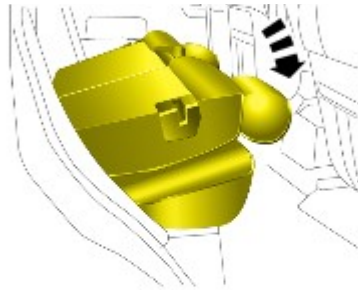
REMOVAL

NOTE:

Removal steps in this procedure may contain installation details.

1.



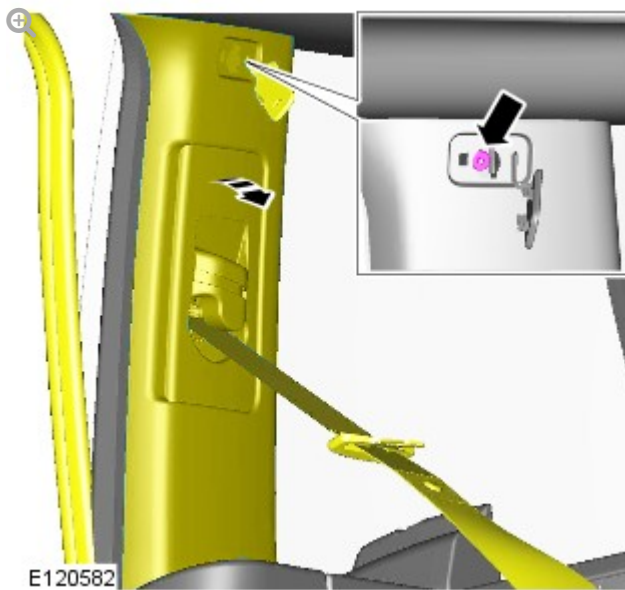


E119611

2.

NOTES:

- To aid installation, the safety belt height adjuster should be at the lowest position.
- Make sure the safety belt is operating correctly.

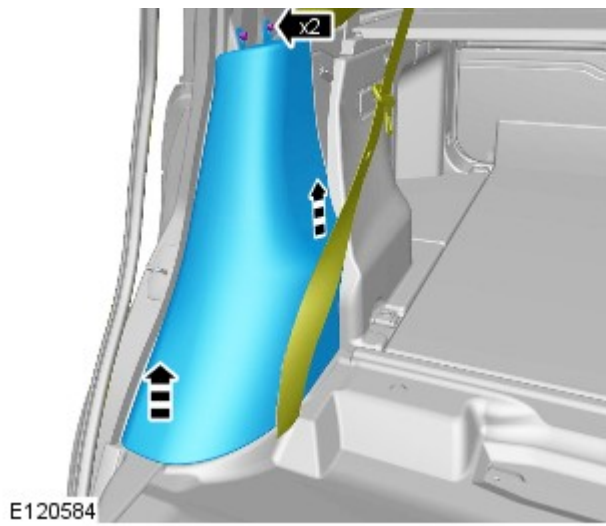


E120582

Torque: 6 Nm

3.





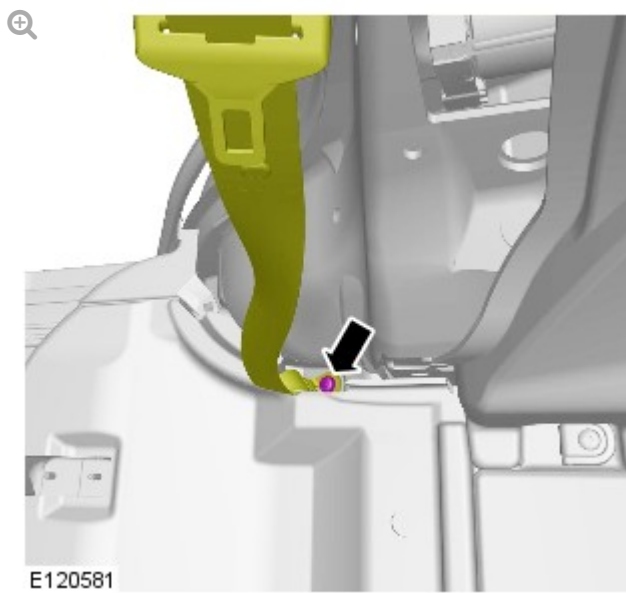
4.

WARNING:

Make sure that the safety belt anchor is correctly installed.

CAUTION:

Make sure that a new bolt is installed.



Torque: 45 Nm

5.

CAUTION:

Make sure the safety belt is secure and correctly installed.



E120583

INSTALLATION

1. To install, reverse the removal procedure.

INTERIOR TRIM AND ORNAMENTATION

C-PILLAR UPPER TRIM PANEL - ULTIMATE, VEHICLES WITH: REAR BUSINESS SEATS (G1395442)

REMOVAL AND INSTALLATION

76.13.35	TRIM PANEL - C-PILLAR - UPPER - RENEW	ALL DERIVATIVES	0.2	USED WITHINS	+
----------	---	--------------------	-----	-----------------	---

REMOVAL

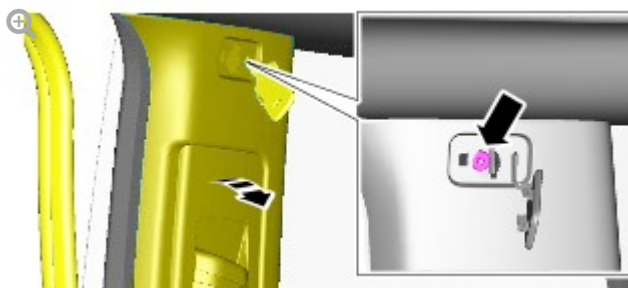
NOTE:

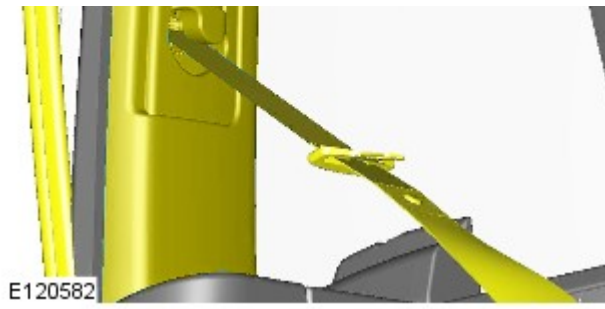
Removal steps in this procedure may contain installation details.

1.

NOTES:

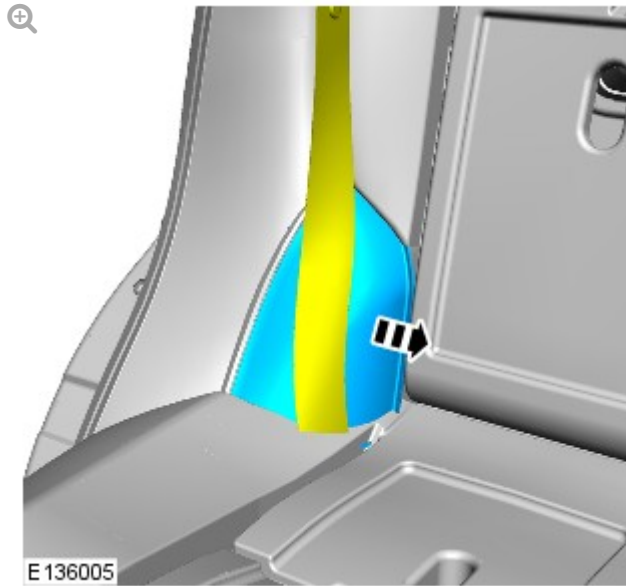
- To aid installation, the safety belt height adjuster should be at the lowest position.
- Make sure the safety belt is operating correctly.





Torque: 6 Nm

2.



3.

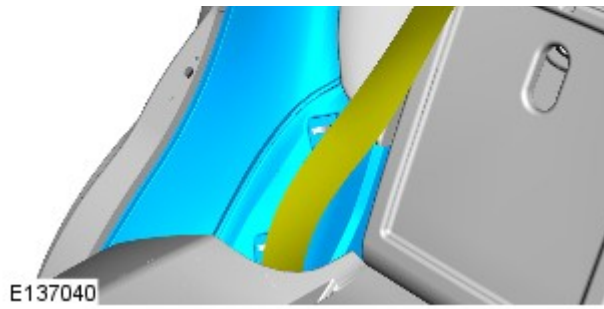
CAUTION:

Take extra care not to damage the wiring harness.

NOTE:

Make sure the safety belt is secure and correctly installed.





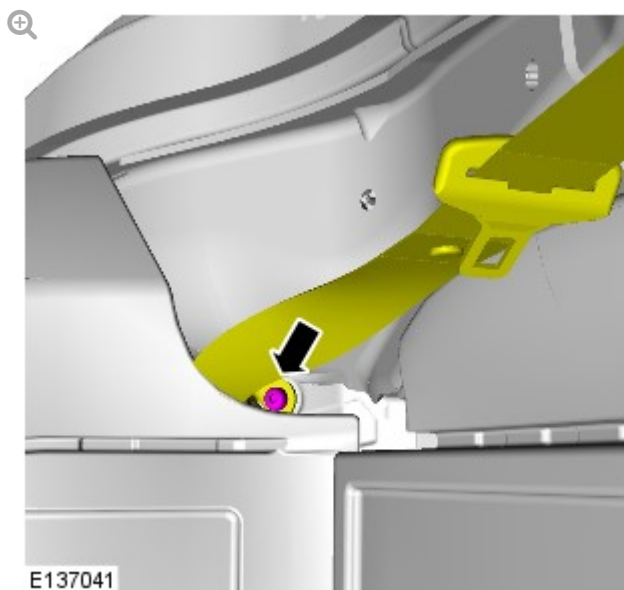
4.

WARNING:

Make sure that the safety belt anchor is correctly installed.

CAUTION:

Make sure that a new bolt is installed.

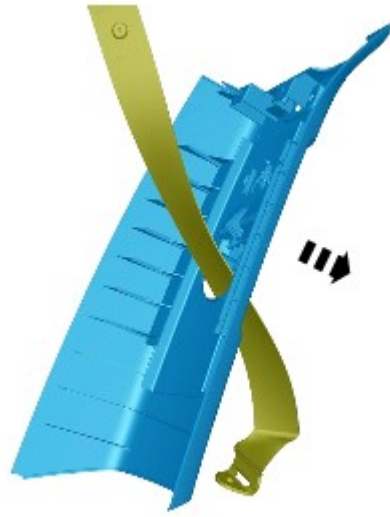


Torque: 45 Nm

5.

CAUTION:

Make sure the safety belt is secure and correctly installed.



E120583

INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

COWL SIDE TRIM PANEL [G892837]

REMOVAL AND INSTALLATION

76.13.27	TRIM PANEL - A-PILLAR - LOWER - RENEW	ALL DERIVATIVES	0.2	USED WITHINS	+
----------	---	--------------------	-----	-----------------	---

	TRIM FINISHER - A -				
76.13.44	PILLAR - LOWER - DRIVER SIDE - RENEW	ALL DERIVATIVES	0.2	USED WITHINS	+

REMOVAL



All vehicles

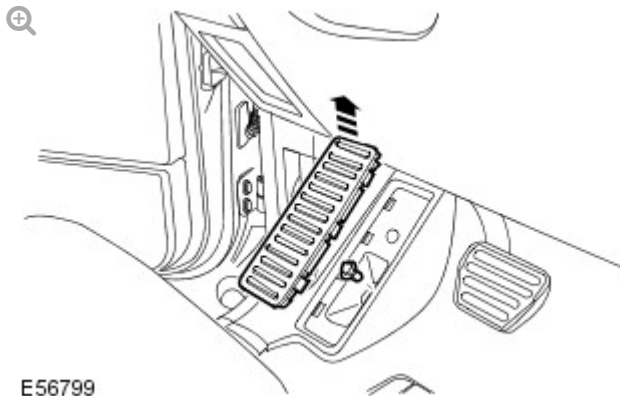
-
1. Remove the front scuff plate trim panel.

For additional information, refer to: Front Scuff Plate Trim Panel (501-05, Removal and Installation).



Left-hand drive vehicles

-
- 1.



E56799

Remove the footrest trim panel.

- Release the 7 clips.

-
2. Remove the cowl side trim panel bolt.

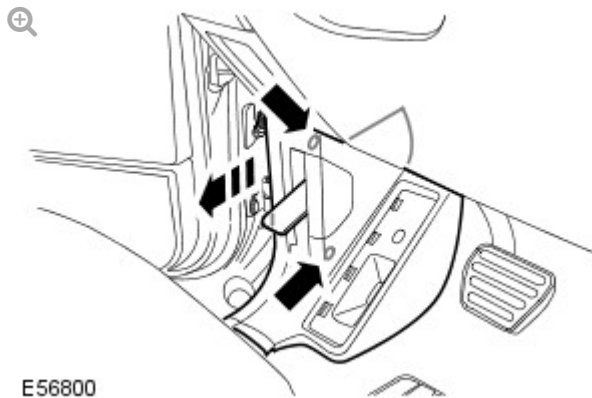


All vehicles

-
- 1.

NOTE:

Left-hand shown, right-hand similar.



Remove the cowl side trim panel.

- Release from the 2 clips.

INSTALLATION



All vehicles

-
1. Install the cowl side trim panel.
 - Secure with the 2 clips.



Left-hand drive vehicles

-
1. Install the cowl side trim panel bolt.
-
2. Install the footrest trim panel.



All vehicles

-
1. Install the front scuff plate trim panel.

For additional information, refer to: Front Scuff Plate Trim Panel (501-05, Removal and Installation).

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

ENGINE COVER - V8 5.0L PETROL/V8 S/C 5.0L PETROL (G1224253)

REMOVAL AND INSTALLATION

12.30.50	ACOUSTIC COVER - ENGINE - RENEW	5000 CC, AJ V8	0.1	USED WITHINS	+
12.30.50	ACOUSTIC COVER - ENGINE - RENEW	AJ V8, SUPERCHARGED	0.3	USED WITHINS	+

REMOVAL

NOTE:

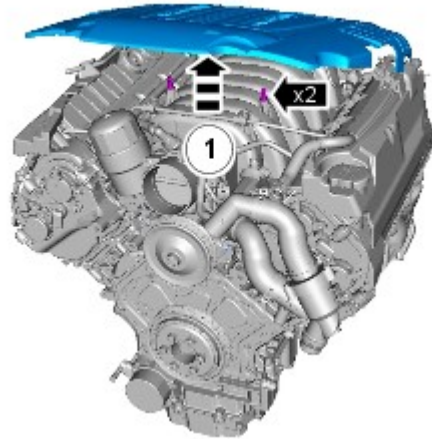
Removal steps in this procedure may contain installation details

Removal steps in this procedure may contain installation details.

1.

NOTE:

Some variation in the illustrations may occur, but the essential information is always correct.



E134600

INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

FRONT DOOR TRIM PANEL

[G1569075]

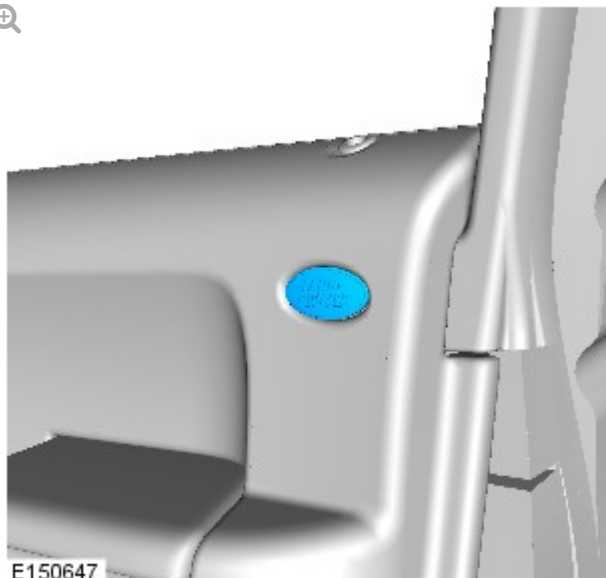
REMOVAL AND INSTALLATION

76.34.01	TRIM PANEL - FRONT DOOR - LEFT/EACH - RENEW	ALL DERIVATIVES	0.5	USED WITHINS	+
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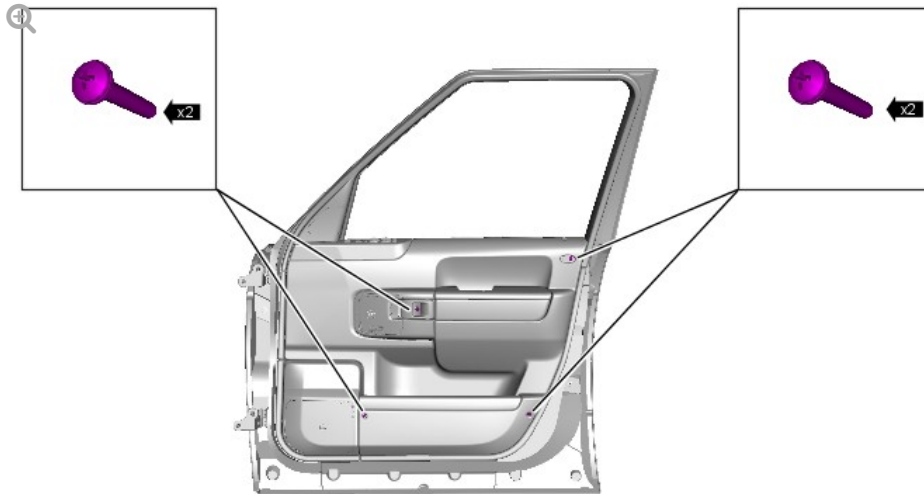
REMOVAL

1. Disconnect the battery ground cable.
For additional information, refer to: [Specifications - Armoured](#) (414-00 Battery and Charging System - General Information, Specifications).
-

2. 



3.

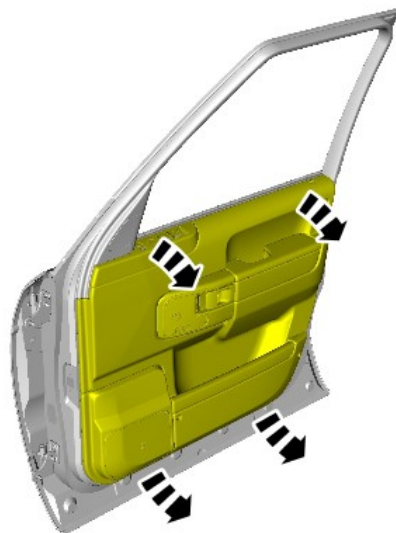


E150648

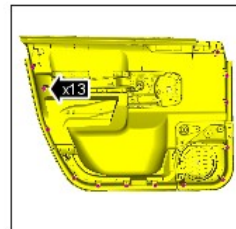
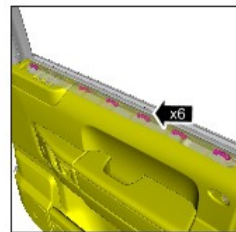
4.

CAUTION:

Carefully release the door trim panel retaining clips.



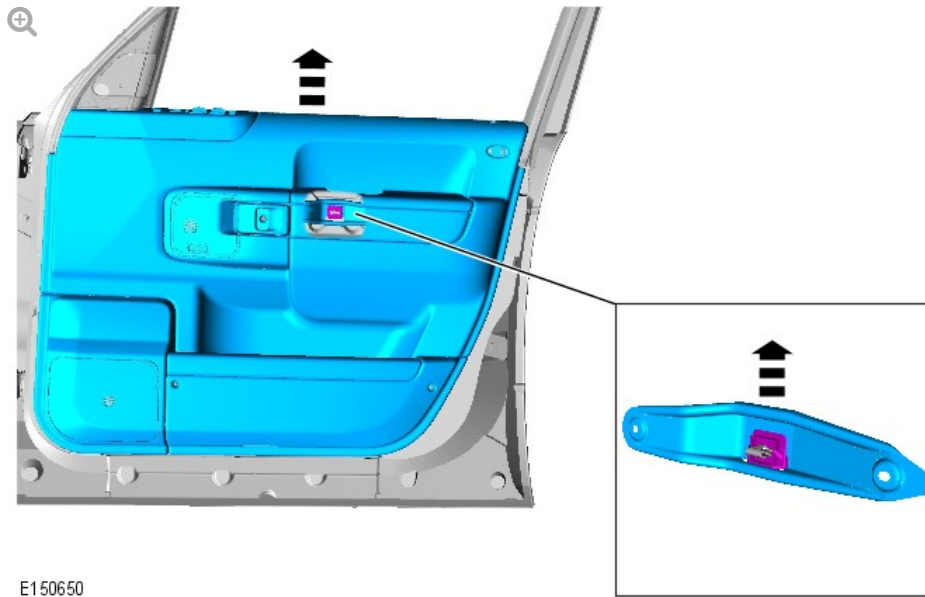
E150649



5.

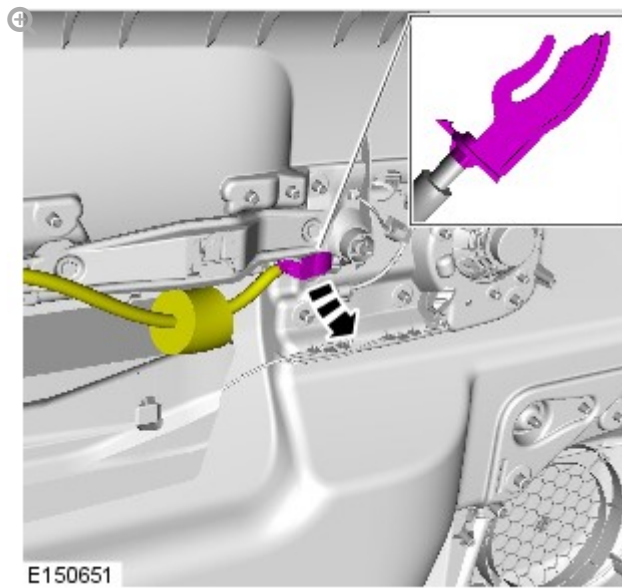
CAUTION:

Make sure that the top of the door trim panel is clear of the weather strip.



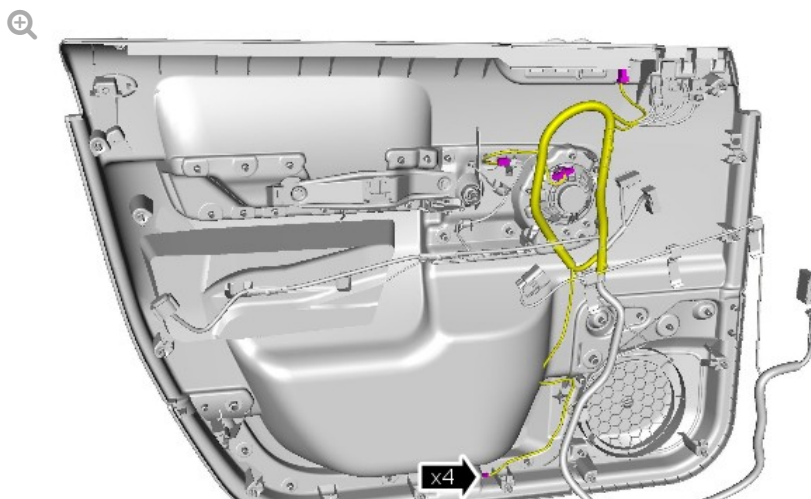
E150650

6.



E150651

7.



x4

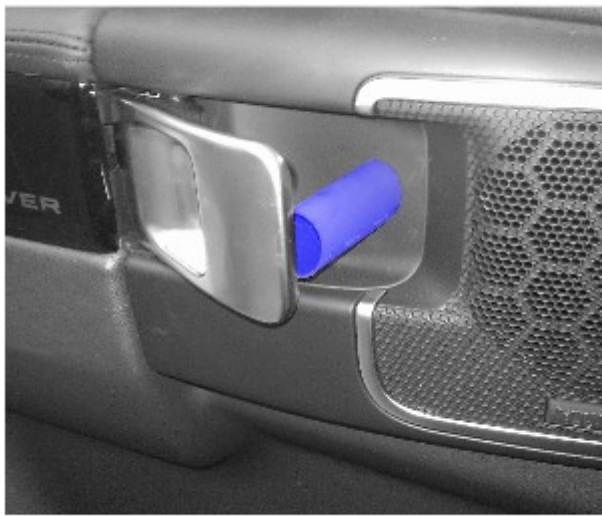
E150652

8.

NOTE:

Do not disassemble further if component is removed for access only.

9.



E150794

10.

NOTE:

Using two suitable pieces of laminated plastic, slide under the veneer at the areas illustrated, to aid removal of the component





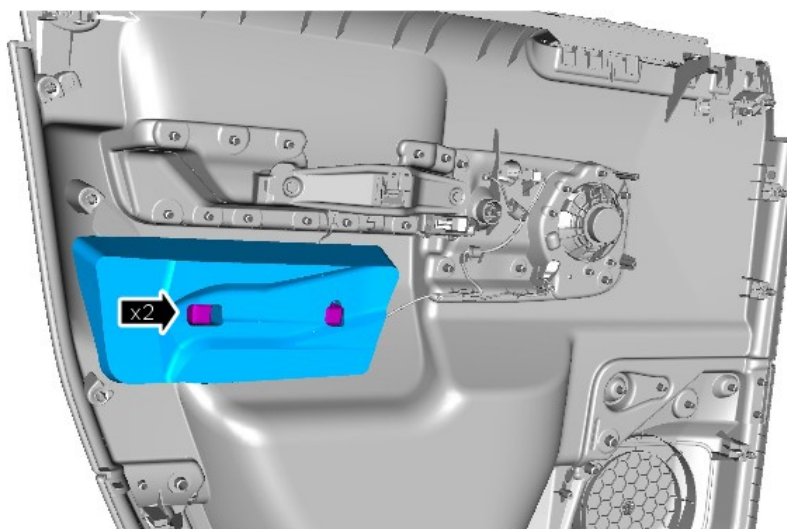
11.

CAUTIONS:

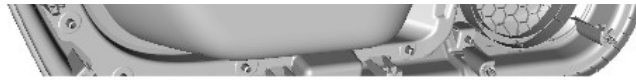
- Do not use tools during this operation, removal of the component must be carried out by hand.
- Do not use excessive force to release the component.



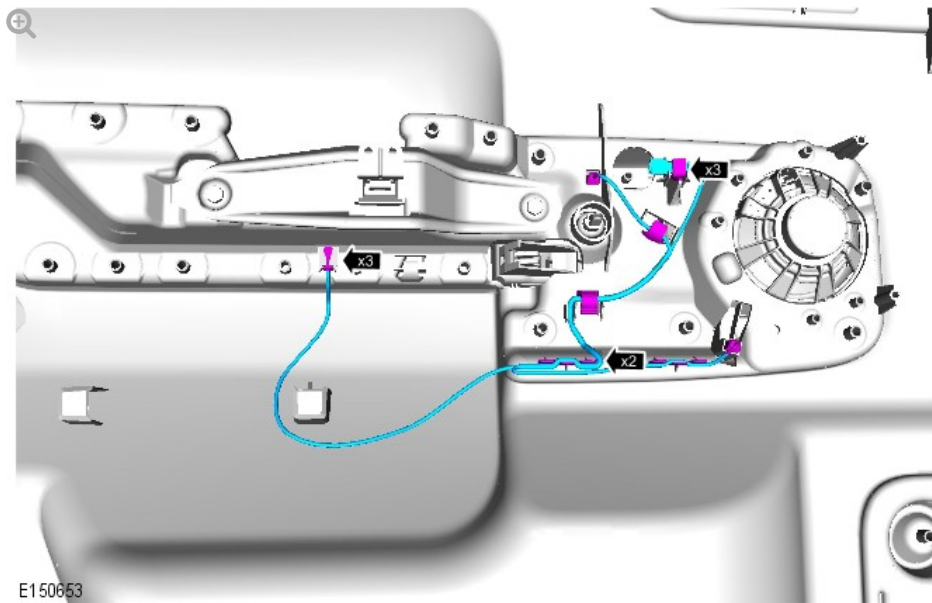
12.



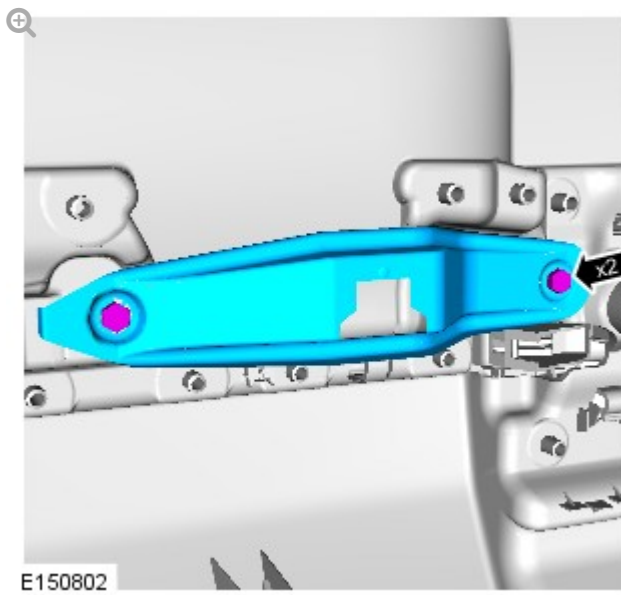
E150663



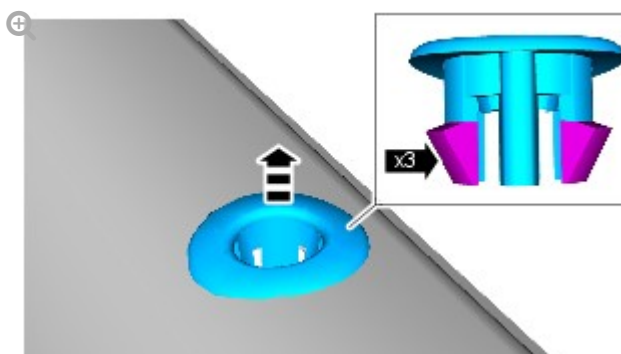
13.



14.



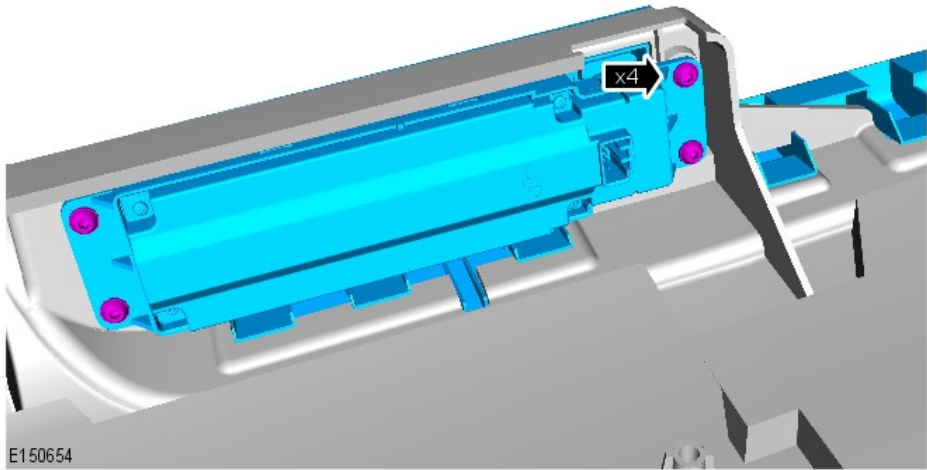
15.





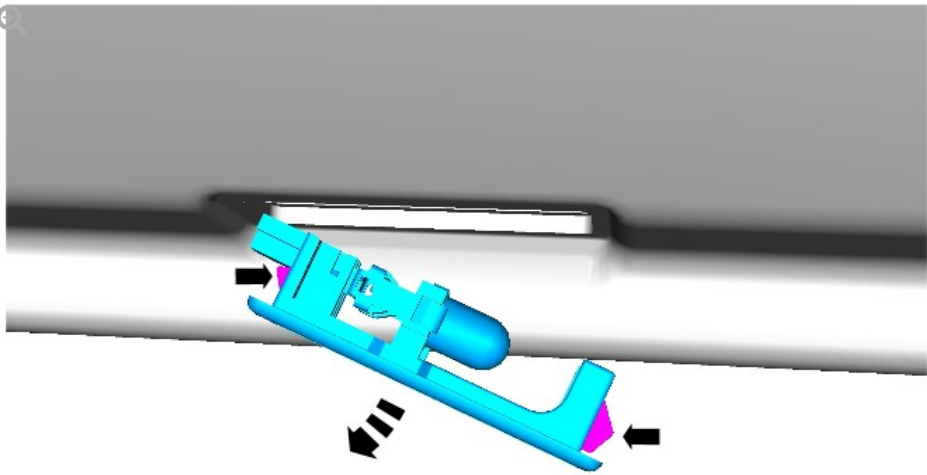
E150787

16. 



E150654

17. 

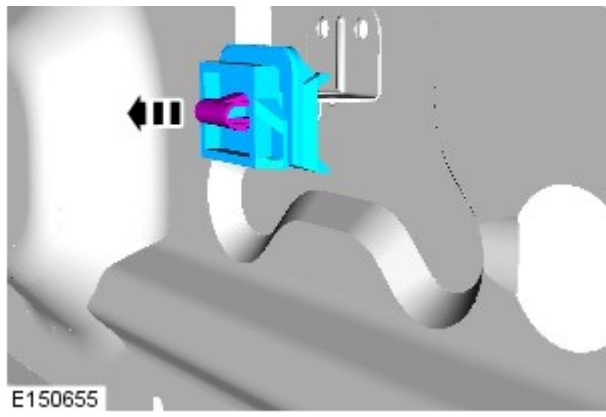


E150661

18. 

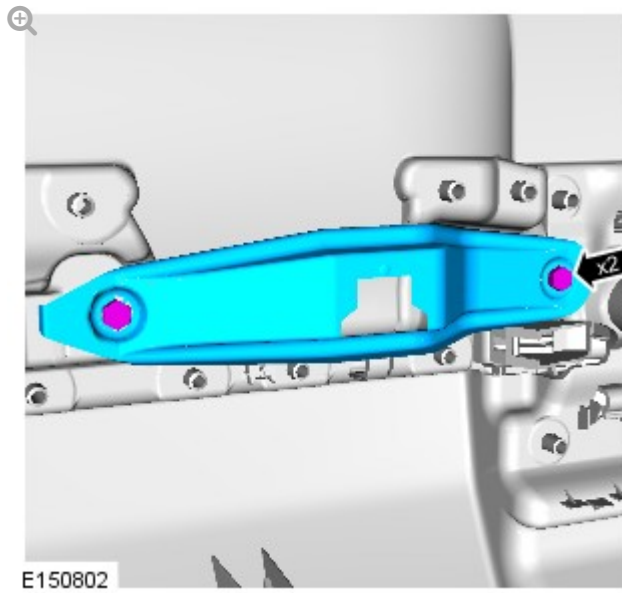


E150787

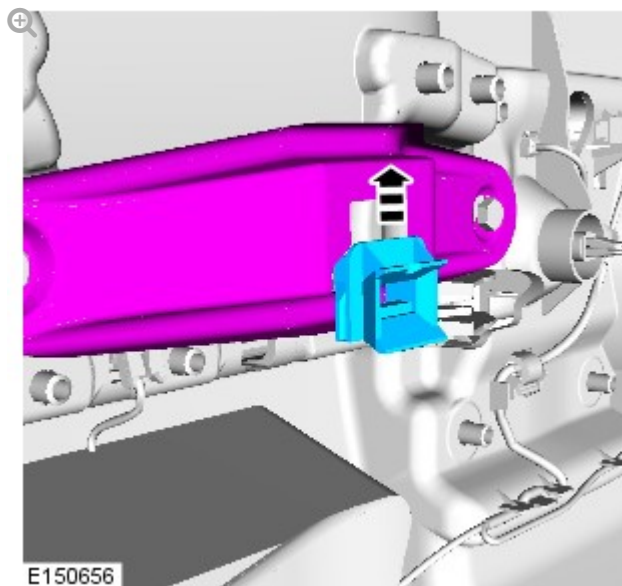


INSTALLATION

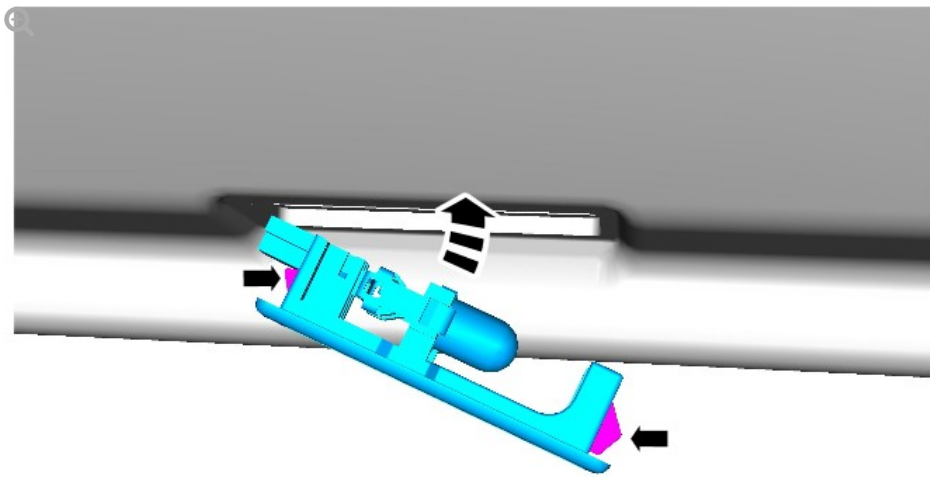
1.



2.

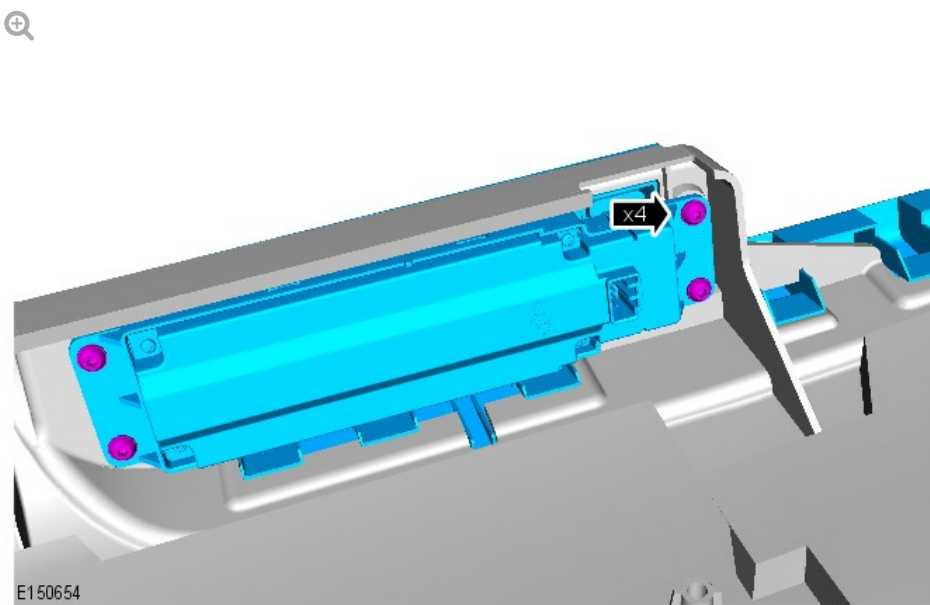


3.



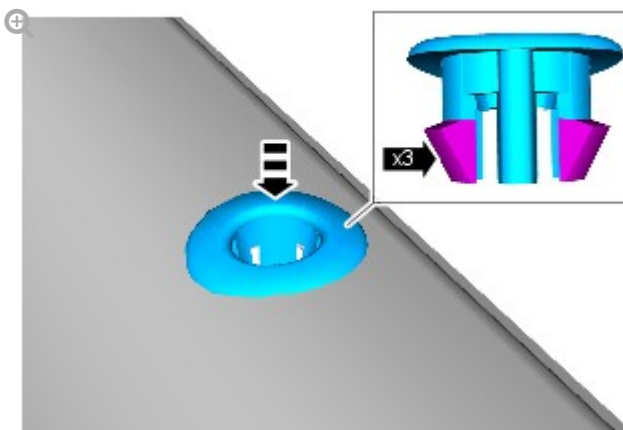
E150662

4.



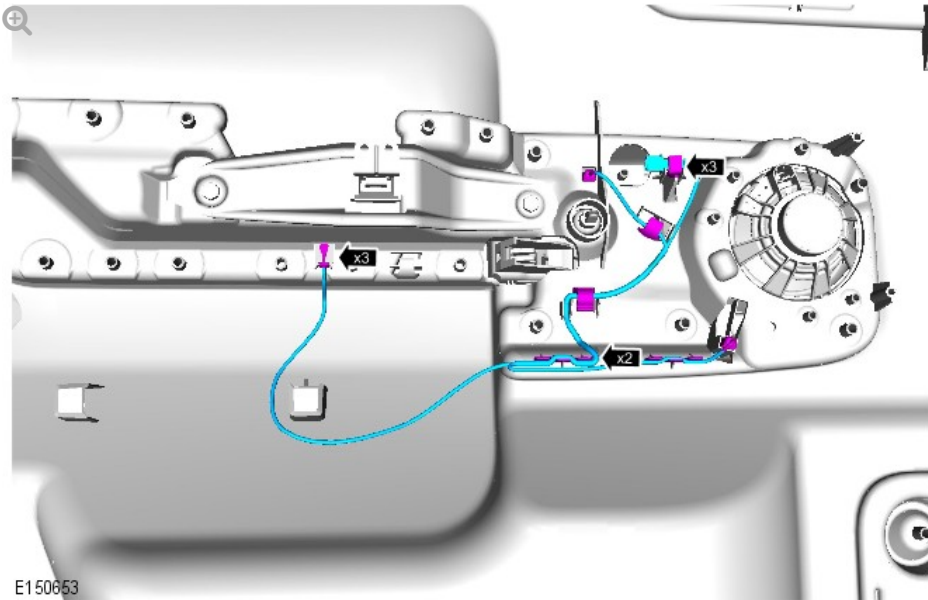
E150654

5.

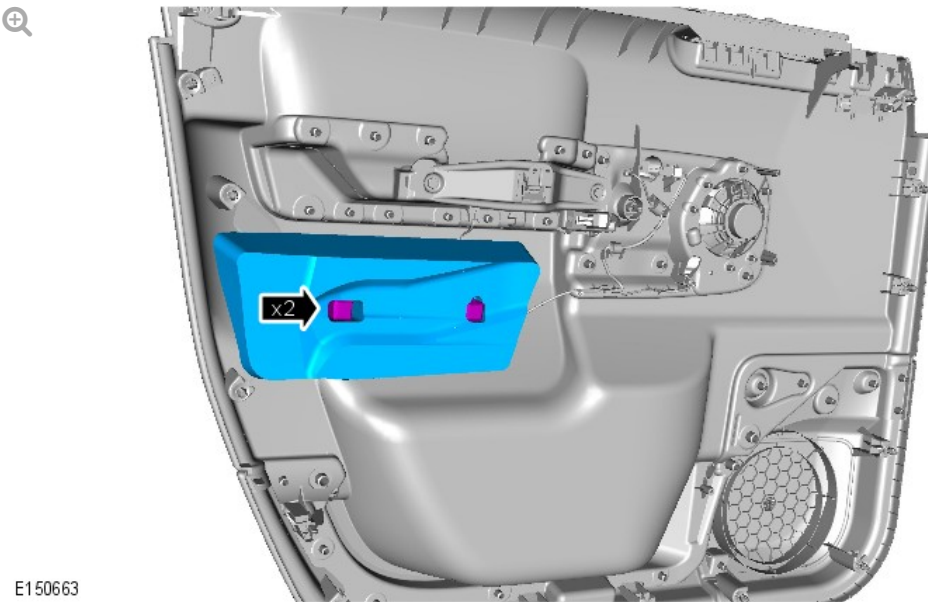


E150801

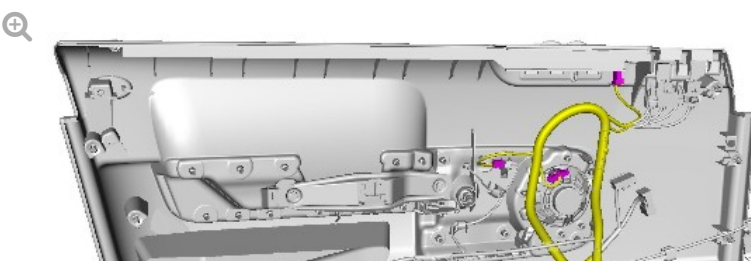
6.

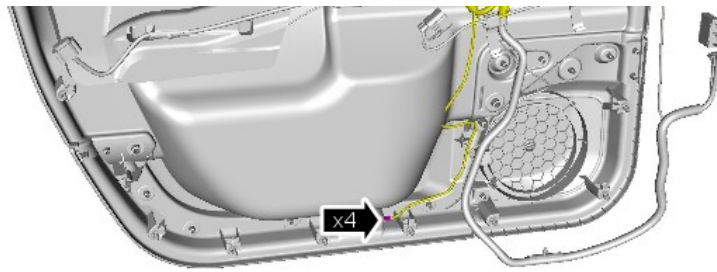


7.



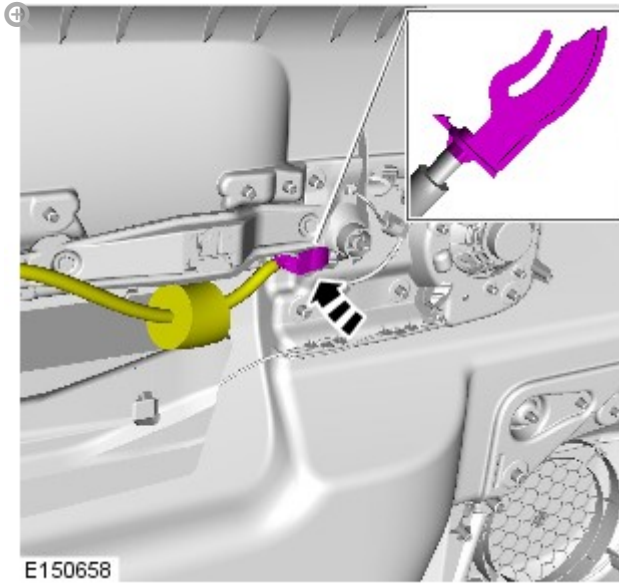
8.





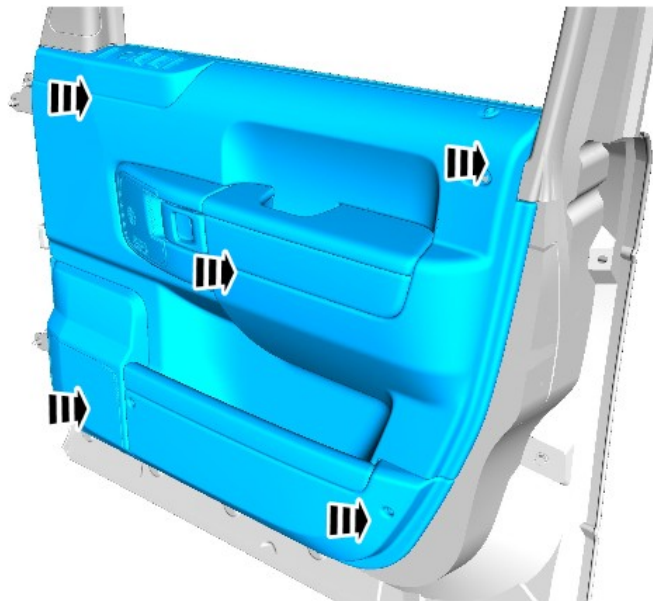
E150652

9.



E150658

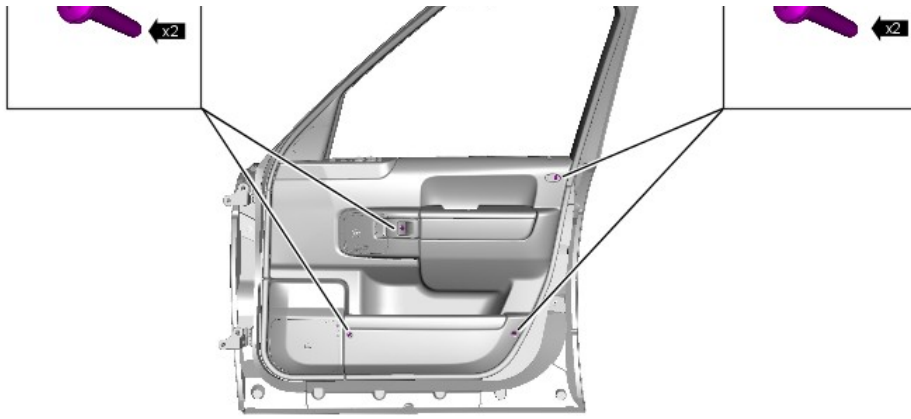
10.



E150657

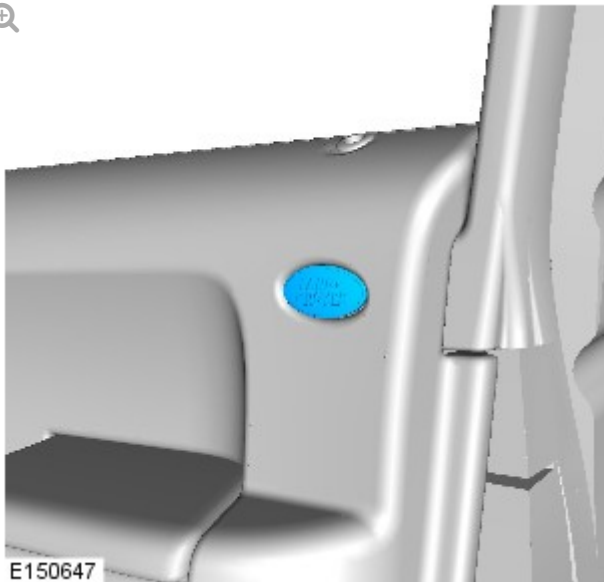
11.





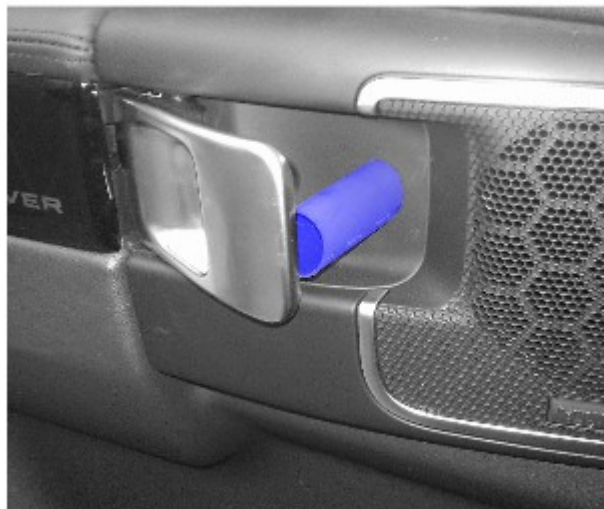
E150648

12.



E150647

13.



E150794

14.

CAUTION:

Do not use excessive force to install the component.



E150828

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

FRONT DOOR TRIM PANEL - ARMoured (G840501)

REMOVAL AND INSTALLATION

TRIM

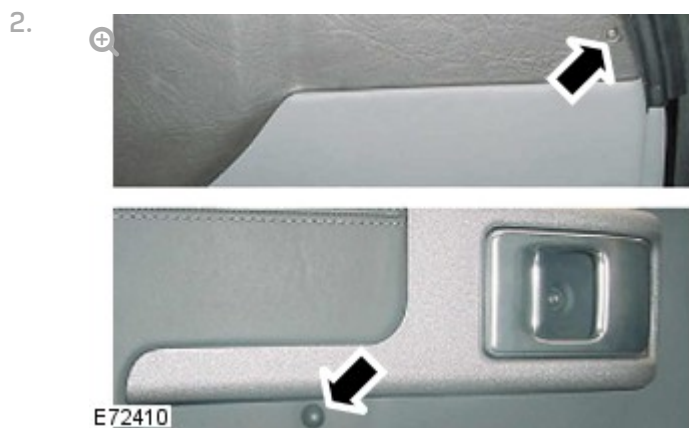
76.34.01	PANEL - FRONT DOOR - LEFT/EACH - RENEW	ALL DERIVATIVES	0.5	USED WITHINS	+
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REMOVAL

NOTE:

This procedure should be used in conjunction with Trim Casing - Front Door, SRO 76.34.01, as published in the Range Rover Workshop Manual.

-
1. Carry out steps 1 and 2 of the Workshop Manual procedure.



Remove the 2 additional screws from the trim casing (arrowed).

-
3. Carry out steps 3 to 7 of the Workshop Manual procedure.
 4. Disconnect the multiplug from the speaker.
 5. Remove the 4 screws securing the speaker to the door.
 6. Remove the speaker.
 7. Remove the door insulating cover.
-

INSTALLATION

1. To refit the trim casing, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

FRONT DOOR TRIM PANEL - ULTIMATE (G1569075)

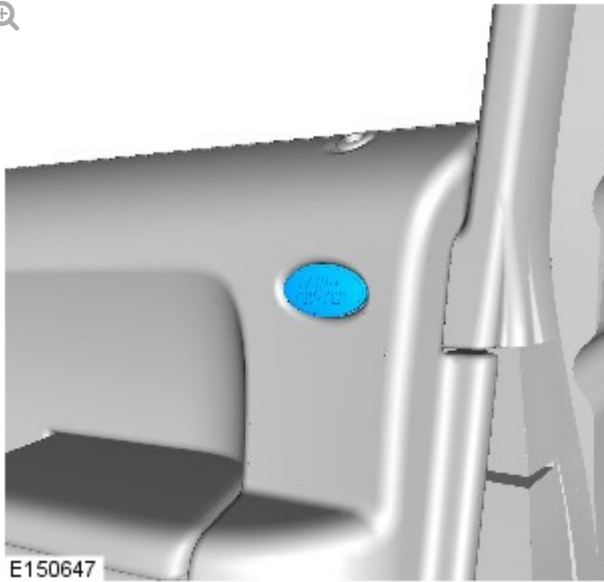
REMOVAL AND INSTALLATION

76.34.01	TRIM PANEL - FRONT DOOR - LEFT/EACH - RENEW	ALL DERIVATIVES	0.5	USED WITHINS	+
----------	--	--------------------	-----	-----------------	---

REMOVAL

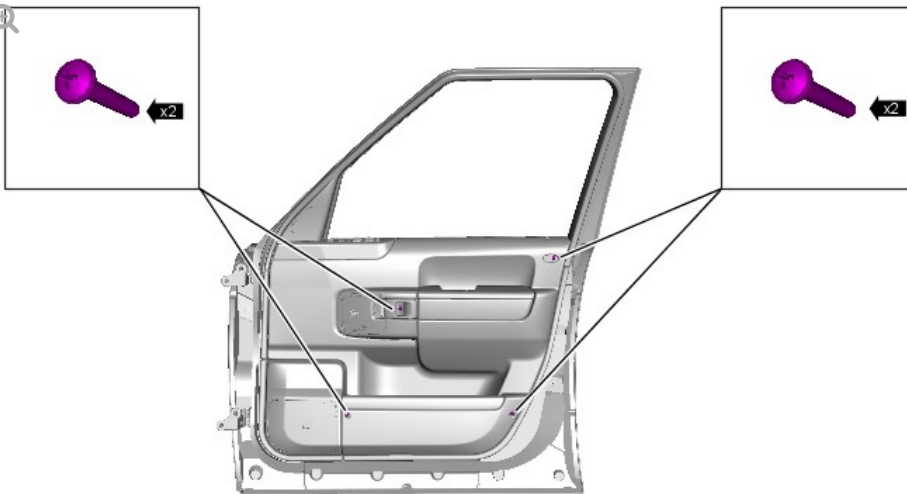
1. Disconnect the battery ground cable.
For additional information, refer to: [Specifications - Armoured \(414-00 Battery and Charging System - General Information, Specifications\)](#).

2.



E150647

3.

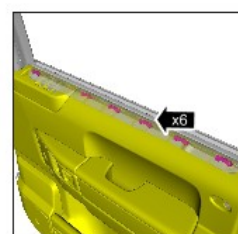
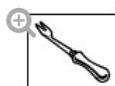


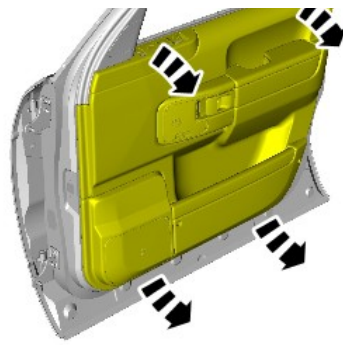
E150648

4.

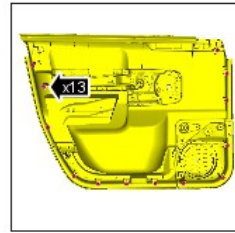
CAUTION:

Carefully release the door trim panel retaining clips.





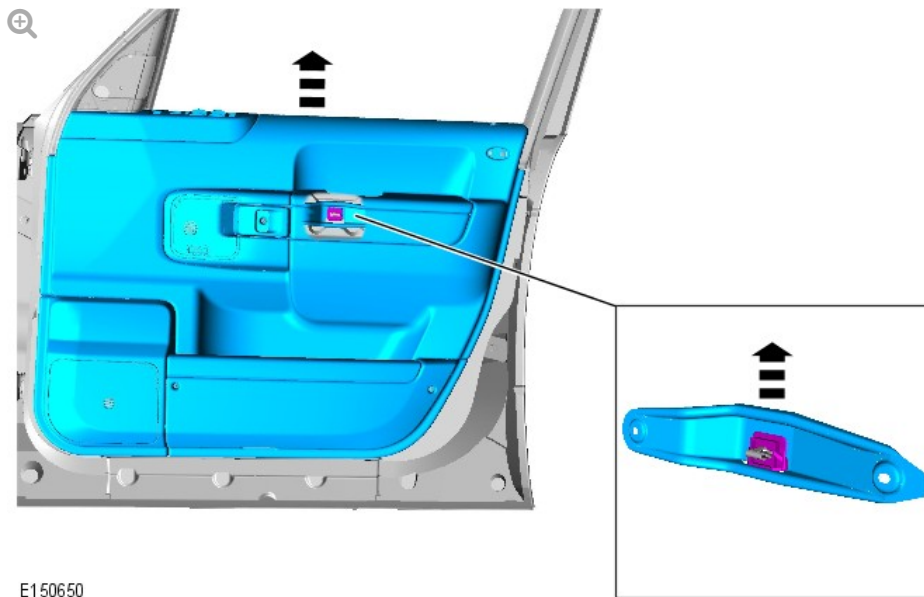
E150649



5.

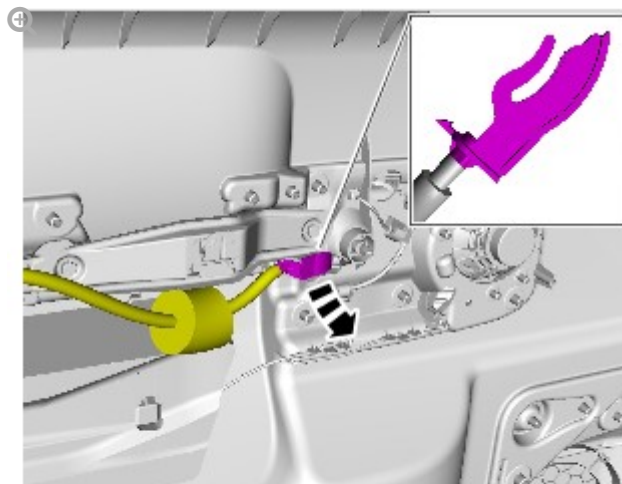
CAUTION:

Make sure that the top of the door trim panel is clear of the weather strip.



E150650

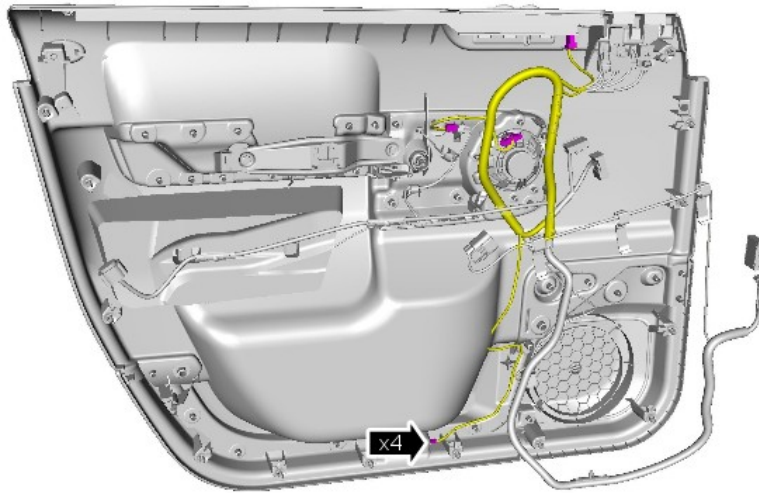
6.





E150651

7.



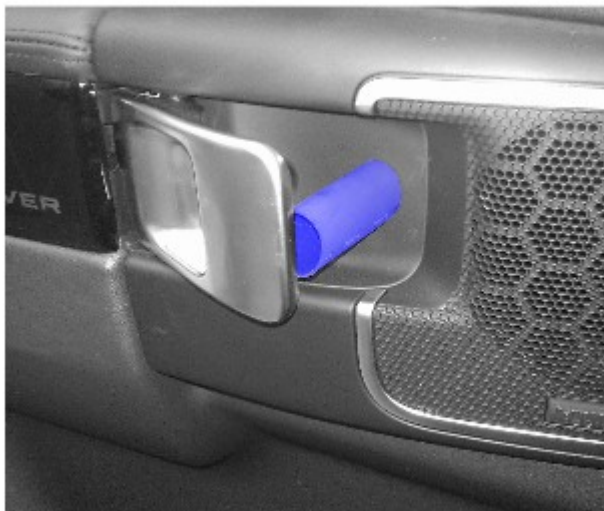
E150652

8.

NOTE:

Do not disassemble further if component is removed for access only.

9.



E150794

10.

NOTE:

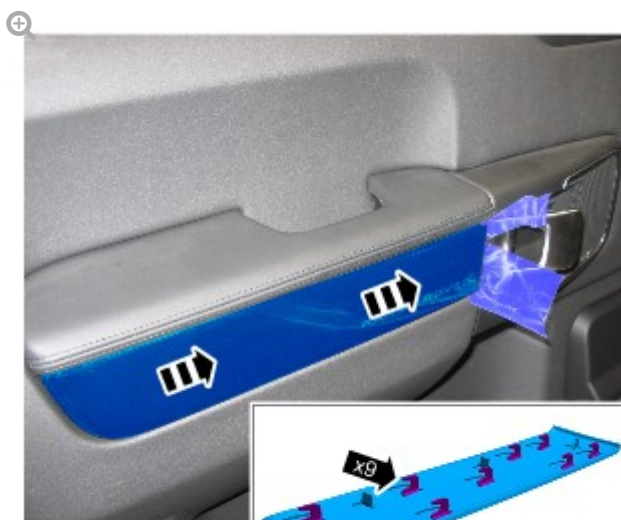
Using two suitable pieces of laminated plastic, slide under the veneer at the areas illustrated, to aid removal of the component



11.

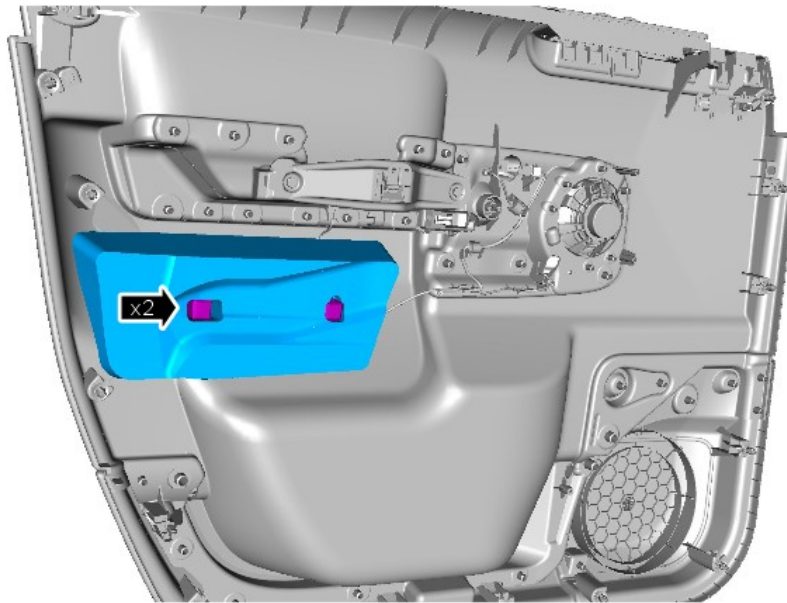
CAUTIONS:

- Do not use tools during this operation, removal of the component must be carried out by hand.
- Do not use excessive force to release the component.

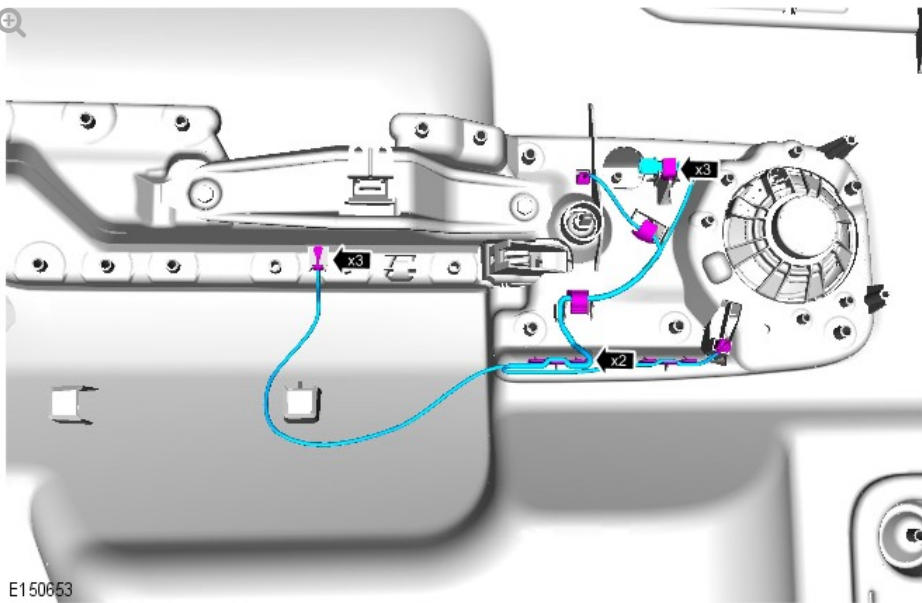




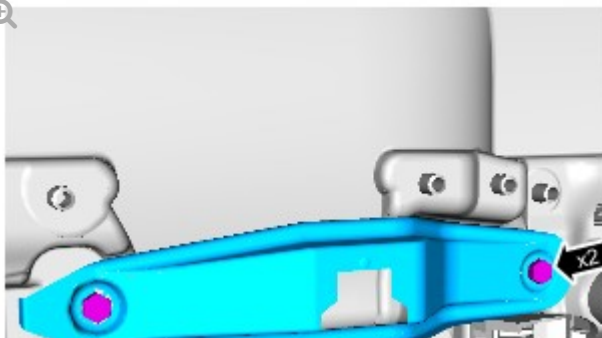
12.



13.



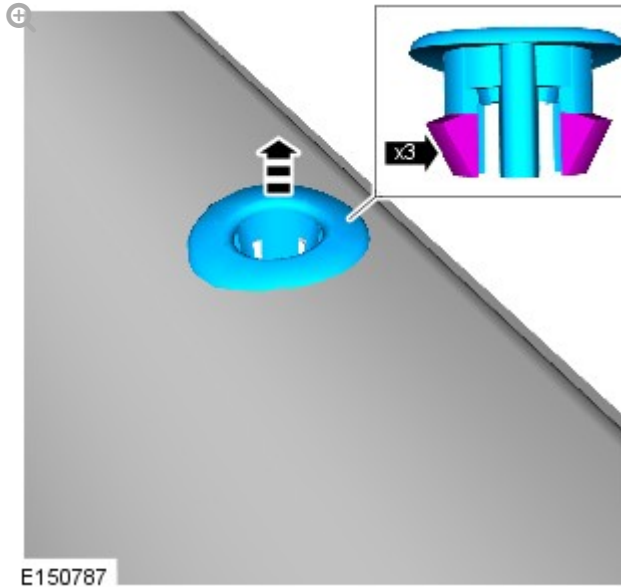
14.





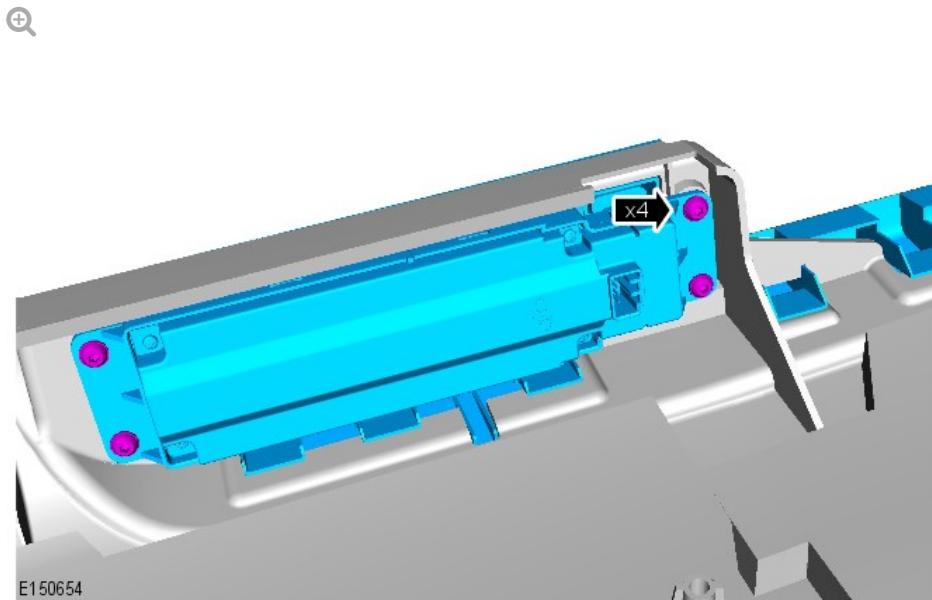
E150802

15.



E150787

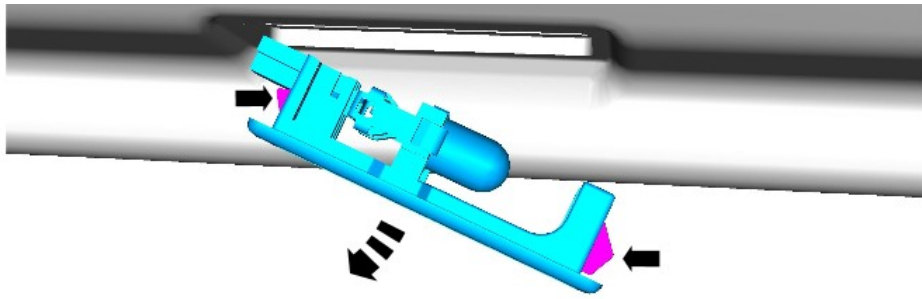
16.



E150654

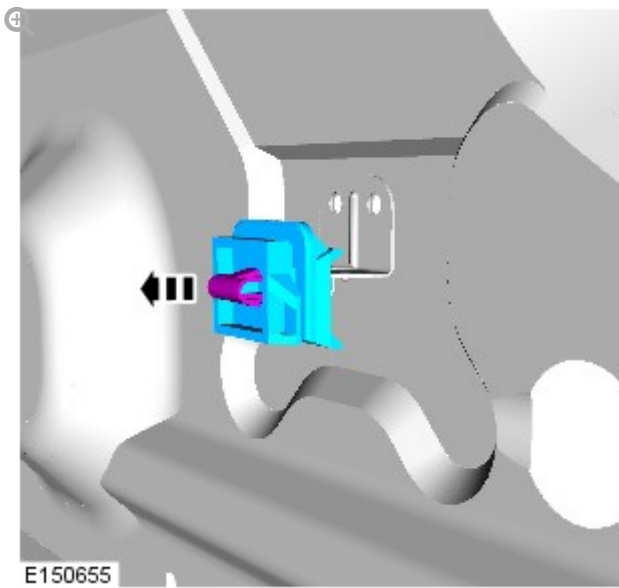
17.





E150661

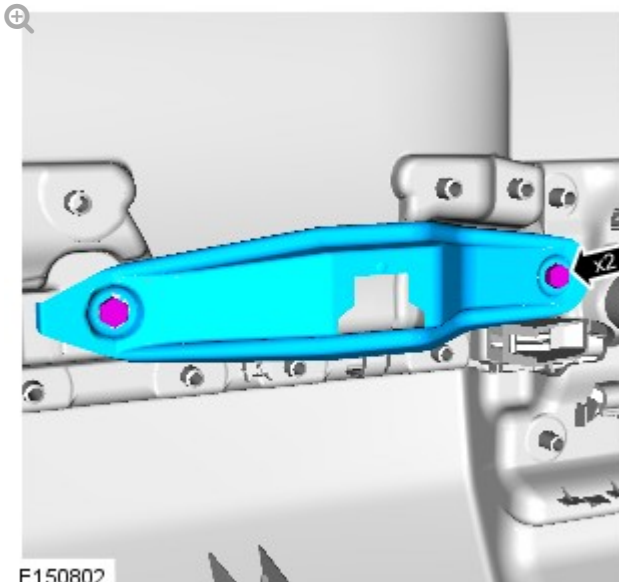
18.



E150655

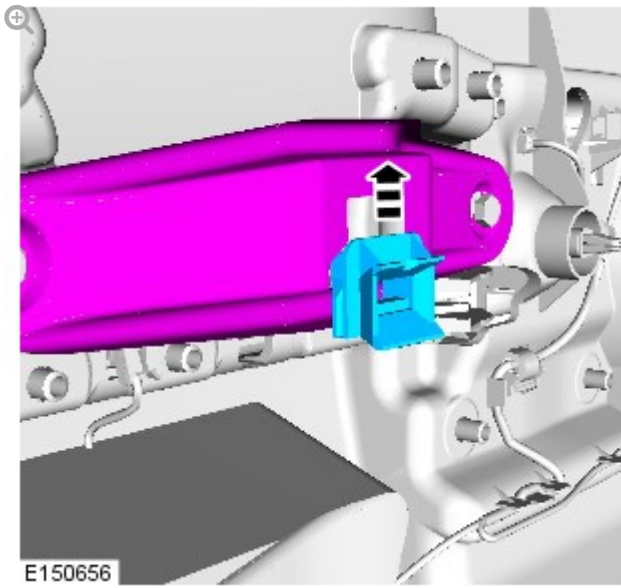
INSTALLATION

1.



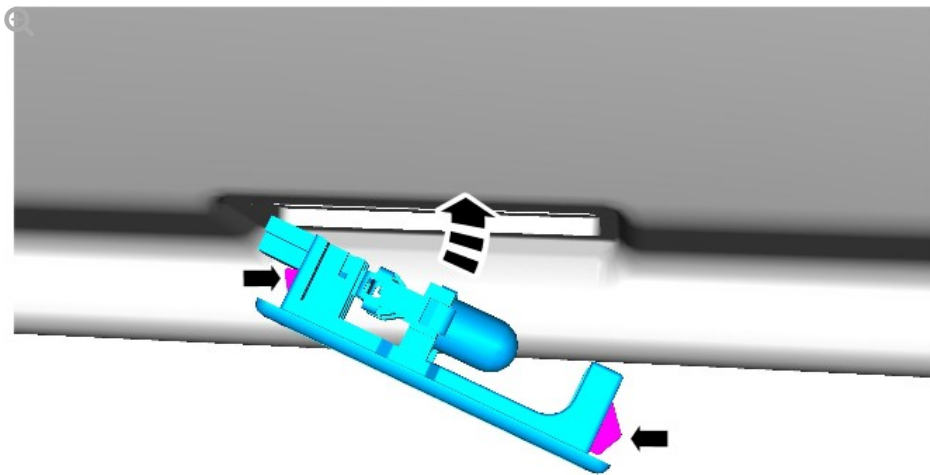
E150802

2.



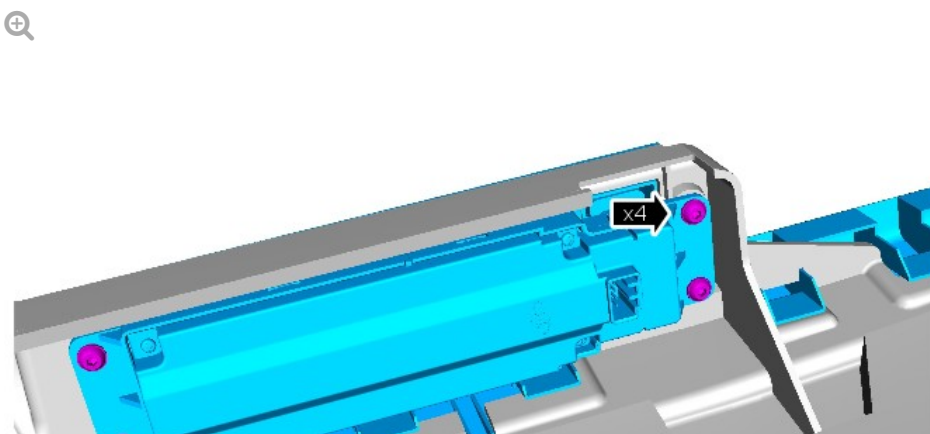
E150656

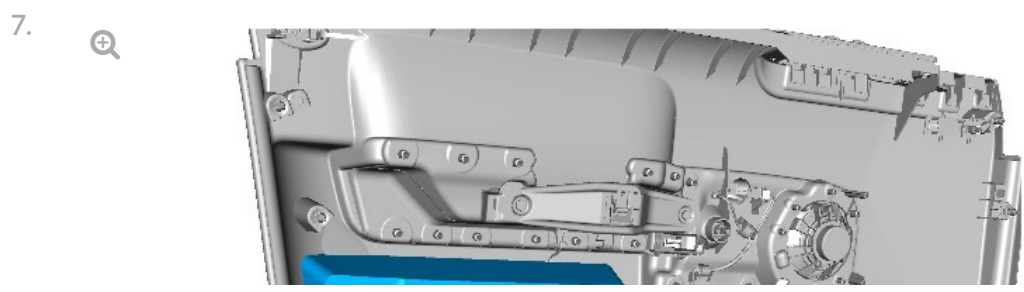
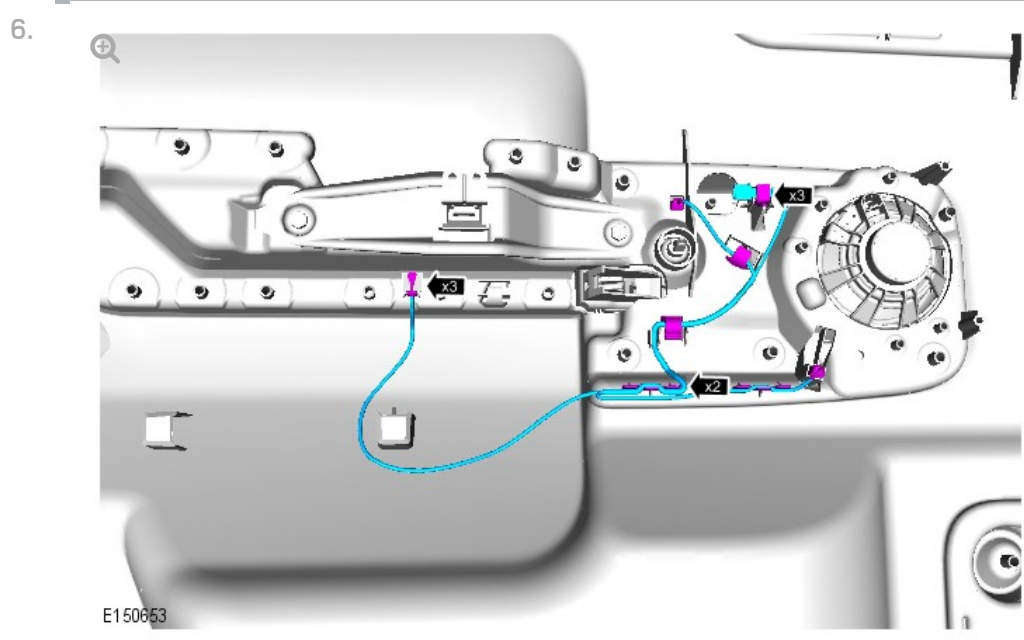
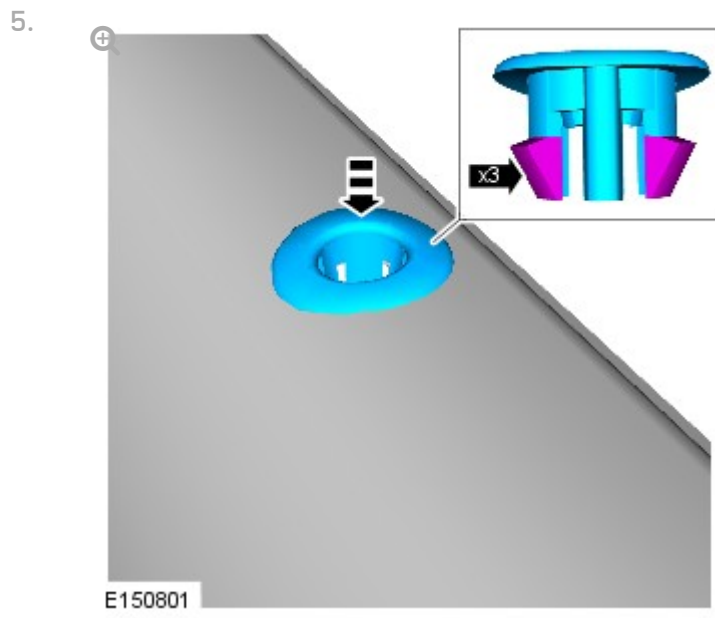
3.

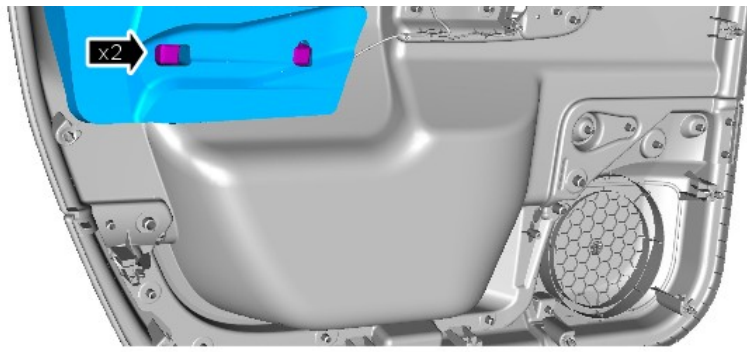


E150662

4.

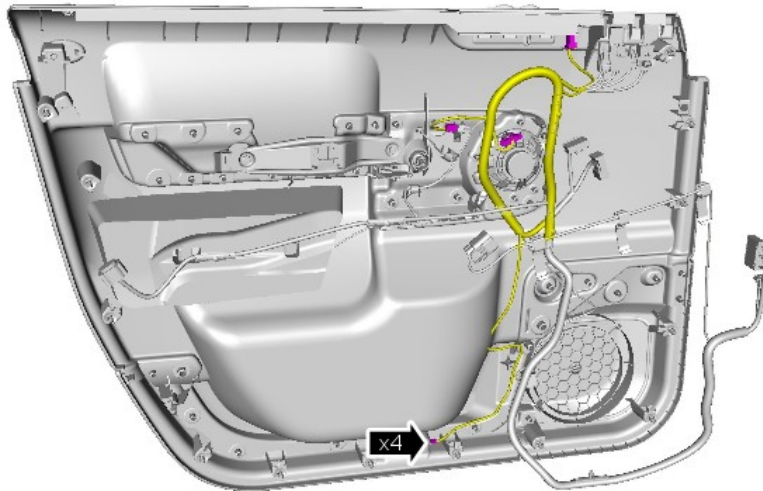






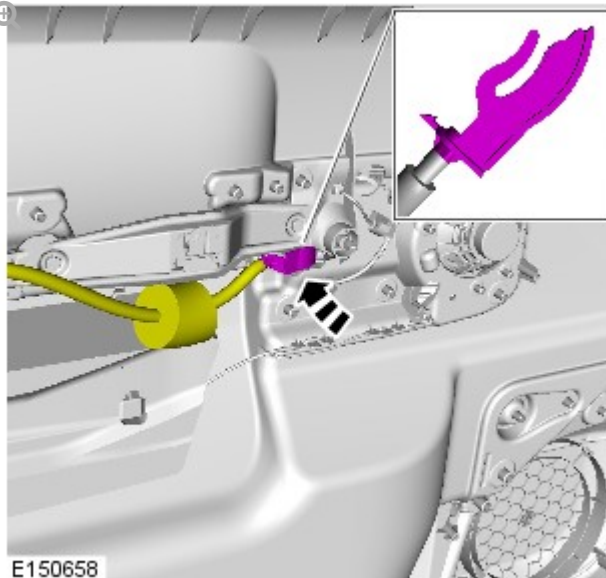
E150663

8.



E150652

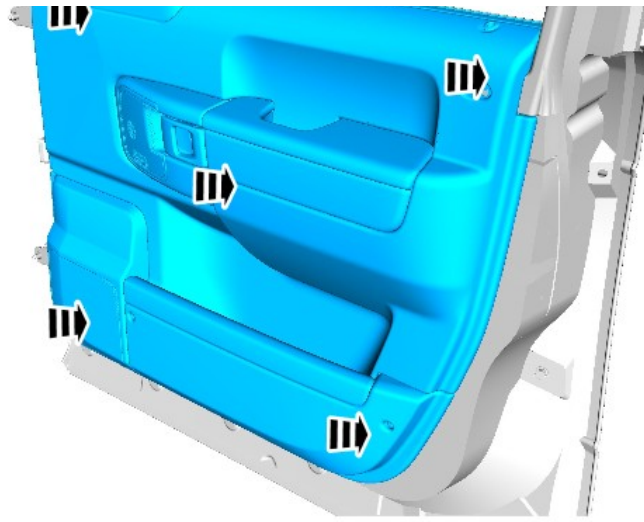
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E150658

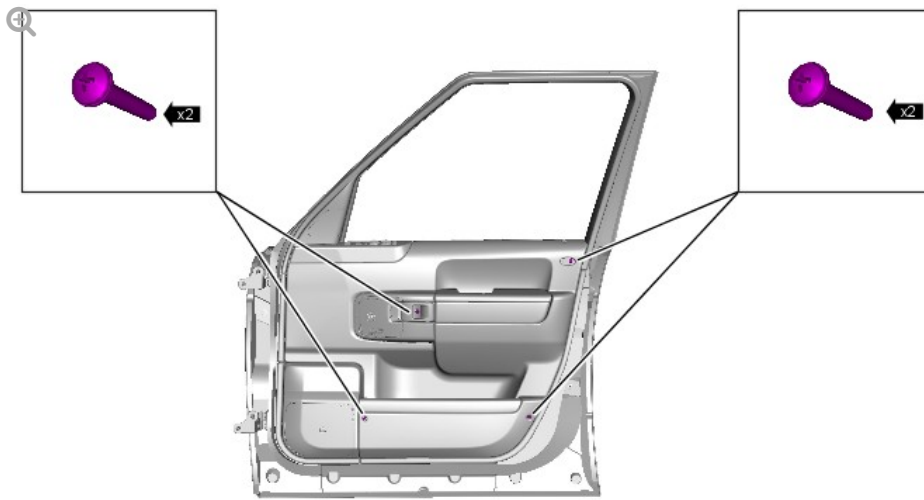
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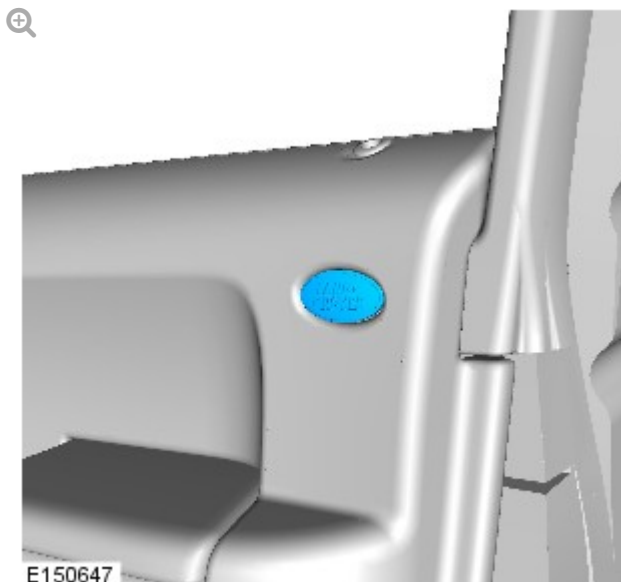
E150657

11.



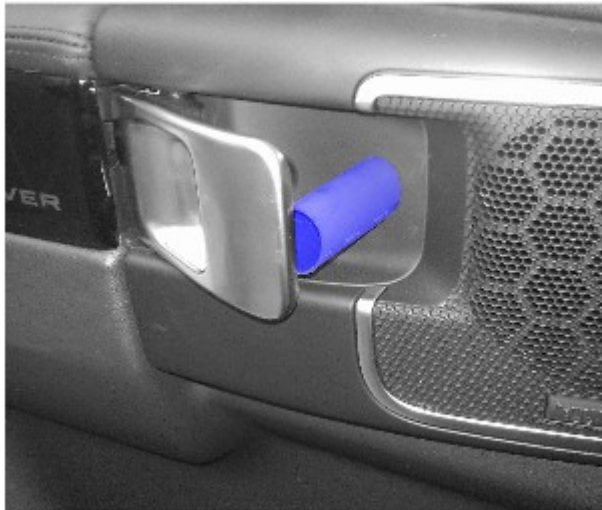
E150648

12.



E150647

13.



E150794

14.

CAUTION:

Do not use excessive force to install the component.



E150828

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

FRONT DOOR TRIM PANEL FINISH PANEL - ULTIMATE

(G1395258)

REMOVAL AND INSTALLATION

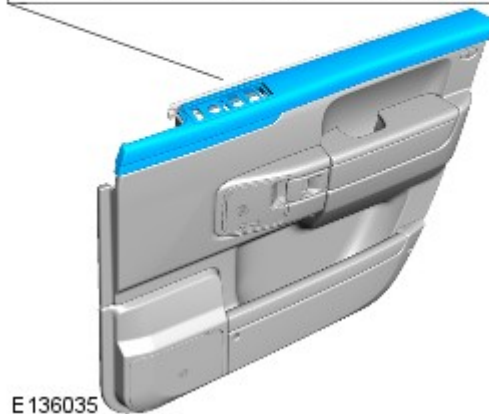
REMOVAL

NOTE:

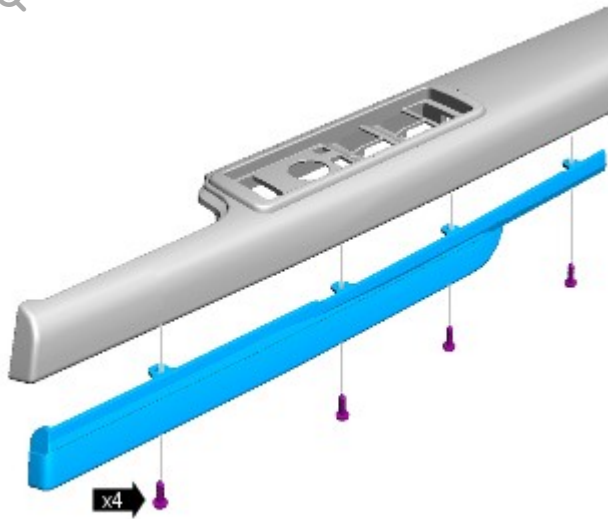
Removal steps in this procedure may contain installation details.

1. Refer to: Front Door Trim Panel (501-05, Removal and Installation).

2.

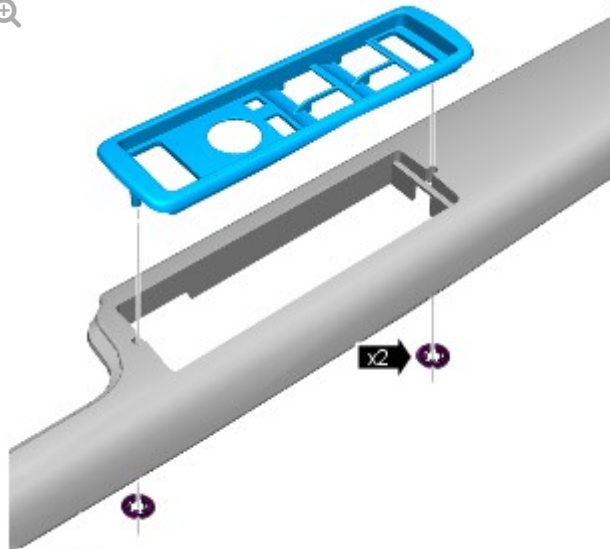


3.



E 136036

4.



E 136086

INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

FRONT SCUFF PLATE TRIM PANEL (G892835)

REMOVAL AND INSTALLATION

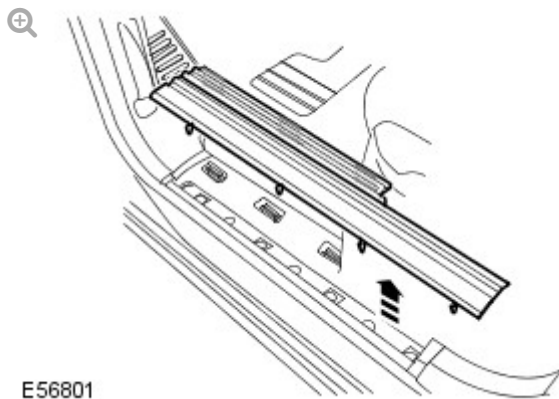
76.49.17	RETAINER - CARPET - FRONT - EACH - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
----------	--	--------------------	-----	-----------------	---

REMOVAL

1.

NOTE:

Left-hand shown, right-hand similar.



Remove the front scuff plate trim panel.

- Release the 7 clips.

2.

NOTE:

Do not disassemble further if the component is removed for access only.

Remove the 4 clips from the front scuff plate trim panel.

INSTALLATION

1 To install reverse the removal procedure

ii. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

HEADLINER (G1239868)

REMOVAL AND INSTALLATION

76.64.15	HEADLINER - SUNSHINE/SLIDING ROOF CONDITION - RENEW	ALL DERIVATIVES	3.1	USED WITHINS	+
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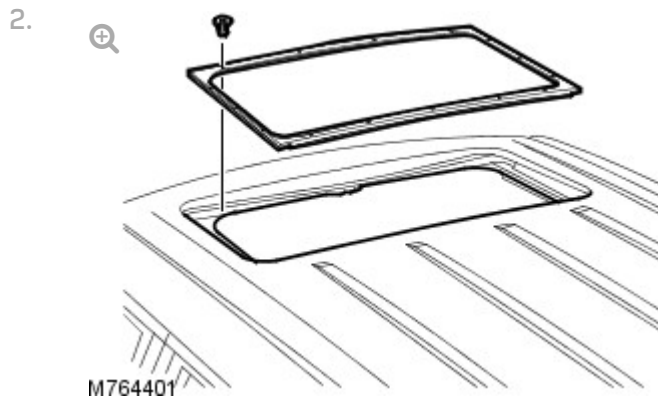
REMOVAL



All vehicles

1. Remove the roof opening panel shield.

For additional information, refer to: Roof Opening Panel Shield (501-17, Removal and Installation).



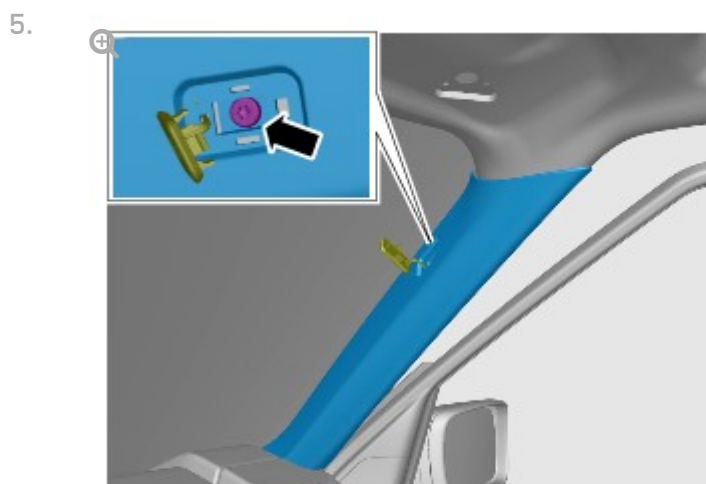
Remove the roof opening panel securing plate.

- Remove the 15 screws.



All vehicles

1. Make the air bag supplemental restraint system (SRS) safe.
For additional information, refer to: Standard Workshop Practices (100-00, Description and Operation).
2. Disconnect the battery ground cable.
For additional information, refer to: Specifications (414-00, Specifications).
3. Remove the RH rear seat.
For additional information, refer to: Rear Seat (501-10, Removal and Installation).
4. Remove the 4 door aperture weatherstrips.





Remove the A-pillar trim panels.

- Right-hand side shown, left-hand side similar.
- Remove the 2 Torx screws.

6. Remove the LH B-pillar trim panel.

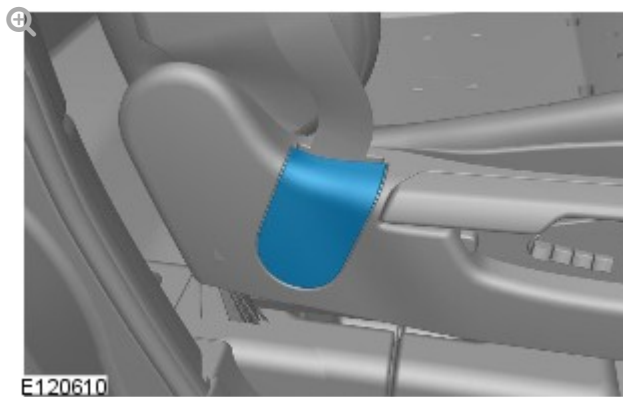
For additional information, refer to: B-Pillar Trim Panel (501-05, Removal and Installation).

7. Position the RH front seat fully forwards.

8.

NOTES:

- Release the front safety belt lower anchor bolt cover clip upwards and away from the front seat base side trim panel.
- Raise the seat base for access.



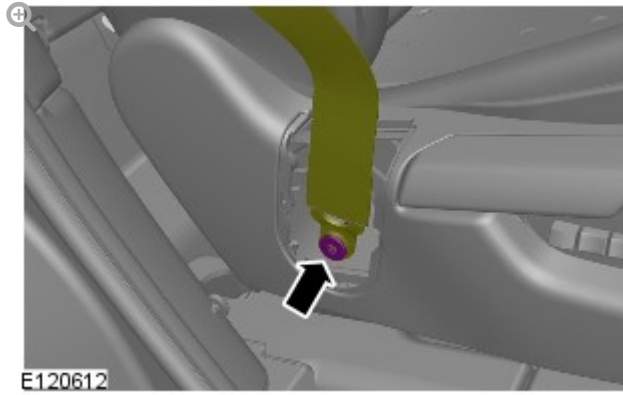
Remove the safety belt lower anchor bolt cover from the RH front seat.

1. Carefully release the clip from behind the RH front seat base side trim panel.
 2. Remove the cover.
-

9.

NOTE:

Lower the seat base for access.



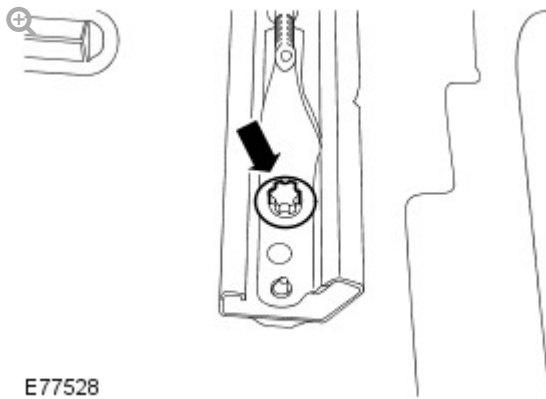
Release the safety belt lower anchor from the RH front seat.

- Remove and discard the bolt.

10.

NOTE:

Right-hand shown, left-hand similar.

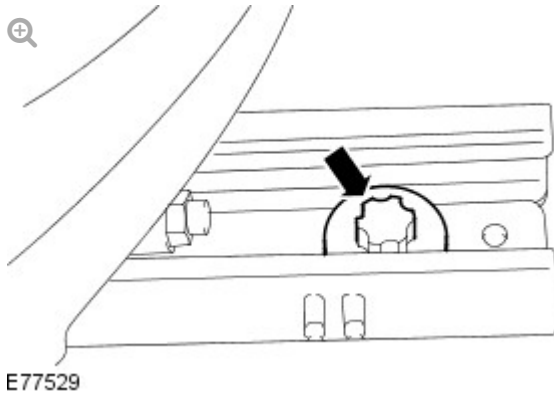


Remove the 2 rear bolts from the RH front seat.

11.

NOTE:

Right-hand shown, left-hand similar.



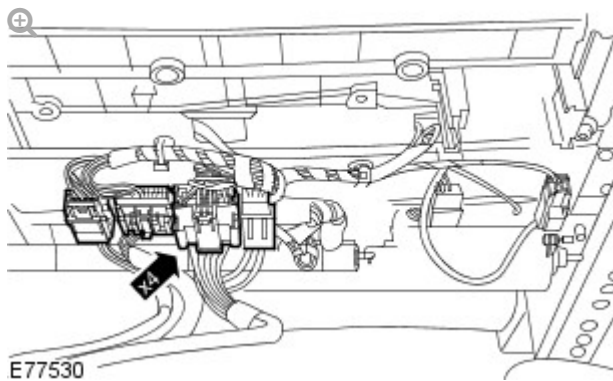
Remove the 2 front bolts from the RH front seat.

- Position the RH front seat fully rearwards.

12. Reposition the RH front seat to the central position.

- Reposition the RH front seat backrest to the fully upright position.
- Lower the RH front seat head restraint to the fully lowered position.

13.



Reposition the RH front seat for access.

- Disconnect the 4 electrical connectors.

14.

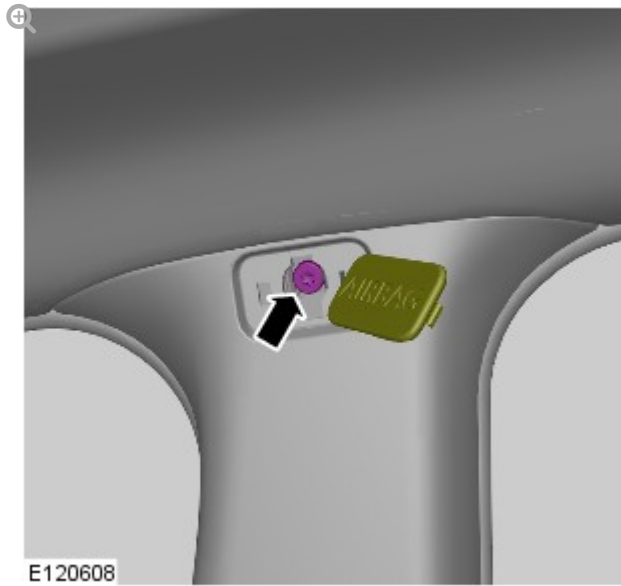
NOTE:

Make sure no damage is caused to the vehicle trim when removing the front seat.

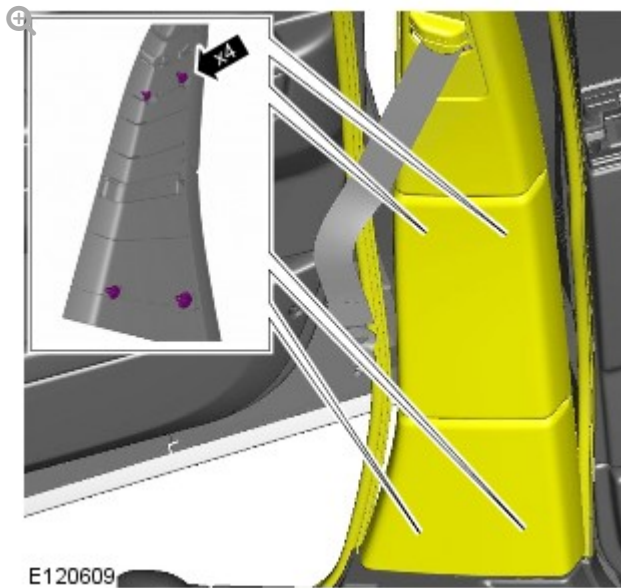
With assistance carefully remove the RH front seat.

- Fit protection around the door aperture to protect the interior.

15.



16.

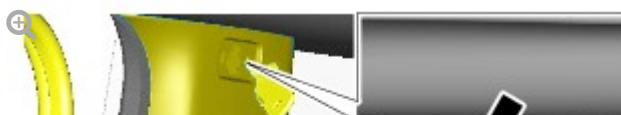


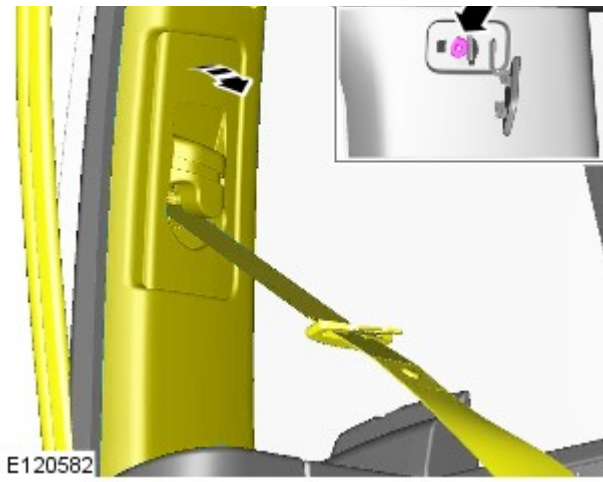
Release the 4 clips from the RH B-pillar trim panel.

17. Remove the LH C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel (501-05, Removal and Installation).

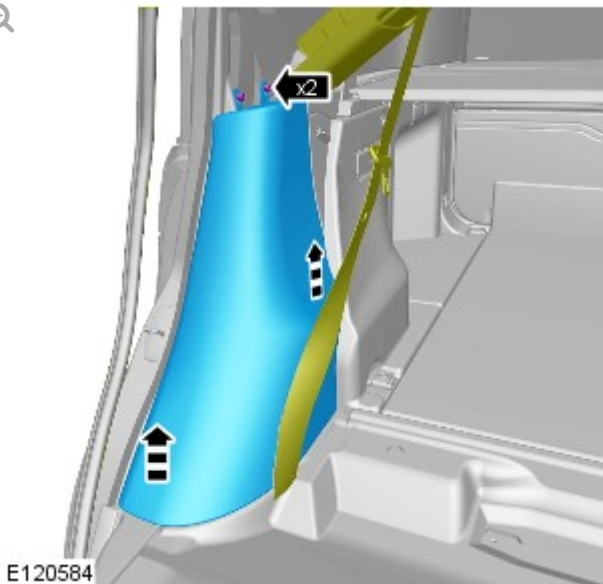
18.





Release the RH C-pillar upper trim panel.

19.



Remove the RH C-pillar lower trim panel.

- Remove the 2 screws.
- Release from the clips.

20.





E120581

Release the RH rear safety belt lower anchor.

- Remove and discard the bolt.

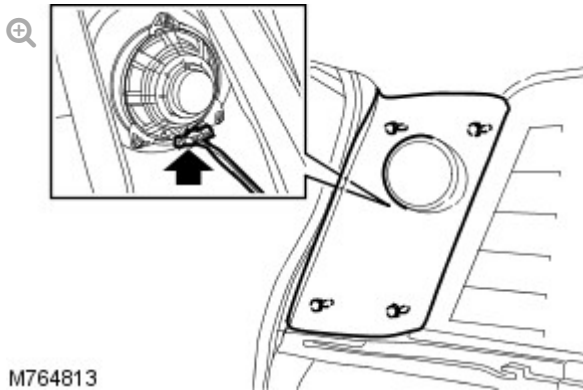
21. Remove the RH C-pillar upper trim panel.

- Reposition the RH rear safety belt through the RH C-pillar upper trim panel.

22. Remove the LH rear quarter trim panel.

For additional information, refer to: Rear Quarter Trim Panel (501-05, Removal and Installation).

23.



M764813

Remove the RH rear quarter trim panel.

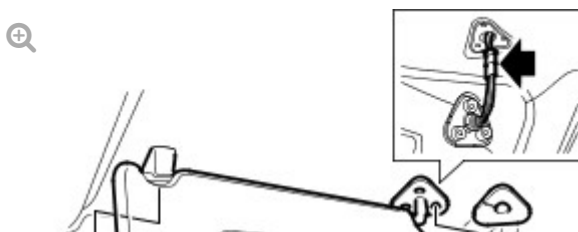
- Disconnect the electrical connector.

24. Remove the LH sun visor.

For additional information, refer to: Sun Visor (501-05, Removal and Installation).

25. Release the RH sun visor from the sun visor clip.

26.





Remove the RH sun visor mounting trim panel.

- Carefully release the RH sun visor mounting trim panel.

27. Remove the RH sun visor.

- Remove the 3 screws.
- Disconnect the electrical connector.

28. Remove the RH sun visor clip from the headliner.

- Remove the screw.

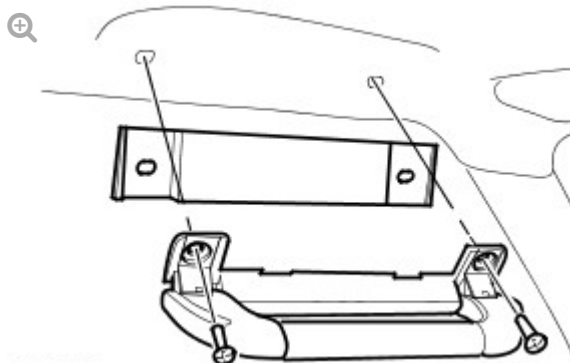
29. Remove the overhead console.

For additional information, refer to: Overhead Console (501-12, Removal and Installation).

30. Remove the center interior lamp.

For additional information, refer to: Center Interior Lamp (417-02, Removal and Installation).

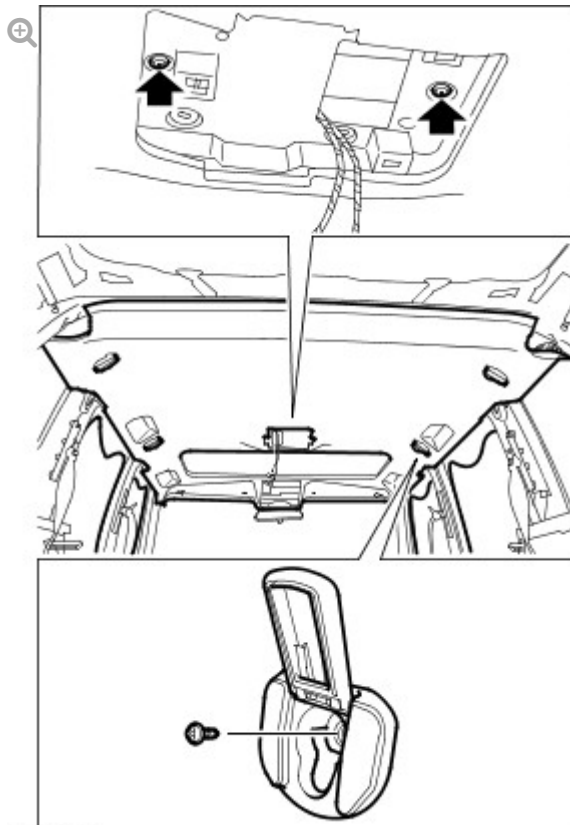
31.



Remove the 4 grab handles.

- Release the grab handle screw covers.
 - Remove the screws.
 - Remove the grab handle mounting plates.
-

32.



M764398

Remove the 2 cargo net hangers.

- Reposition the cargo net hanger covers.
- Remove the screws.



Vehicles with roof opening panel

1. Remove the 2 screws from the headliner.



All vehicles

1.

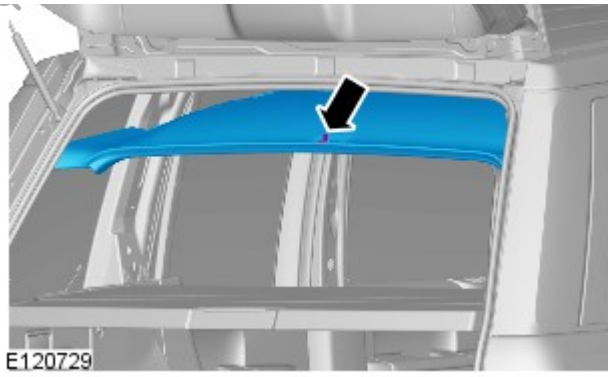
NOTE:

The 4 screws are located behind the center overhead console.

Remove the 4 screws from the headliner.

2.





Carefully release the 1 clip from the rear of the headliner.

3.

NOTE:

Remove the headlining from the rear of the vehicle.

With assistance, carefully remove the headliner.

INSTALLATION



All vehicles

1. With assistance, install the headliner.

2. Secure the 1 clip to the rear of the headliner.

3.

NOTE:

The 4 screws are located behind the center overhead console.

Install the 4 screws to the headliner.



Vehicles with roof opening panel

1.

NOTE:

The 2 screws are located behind the front console access through sunglasses bin.

Install the 2 screws to the headliner.



All vehicles

1. Install the 4 door aperture weatherstrips to the headliner.
2. Install the 2 cargo net hangers.
 - Install the screws.
 - Reposition the cargo net hanger covers.
3. Install the 4 grab handles.
 - Install the grab handle mounting plates.
 - Install the screws.
 - Tighten the screw to 7 Nm. (5 lb.ft).
 - Secure the grab handle screw covers.
4. Install the center interior lamp.

For additional information, refer to: Center Interior Lamp (417-02, Removal and Installation).
5. Install the overhead console.

For additional information, refer to: Overhead Console (501-12, Removal and Installation).
6. Install the RH sun visor clip to the headliner.
 - Install the screw.
7. Install the RH sun visor.
 - Connect the electrical connector.

- Install the 3 screws.

8. Install the RH sun visor mounting trim panel.

- Secure the RH sun visor mounting trim panel.

9. Secure the RH sun visor to the RH sun visor clip.

10. Install the LH sun visor.

For additional information, refer to: Sun Visor (501-05, Removal and Installation).

11. Install the RH rear quarter trim panel.

- Connect the electrical connector.

12. Secure the RH rear quarter trim panel.

- Secure the 4 clips.

13. Install the LH rear quarter trim panel.

For additional information, refer to: Rear Quarter Trim Panel (501-05, Removal and Installation).

14. Install the RH C-pillar upper trim panel.

- Reposition the RH rear safety belt through the RH C-pillar upper trim panel.

15. Secure the RH rear safety belt lower anchor.

- Tighten the new bolts to 45 Nm (33 lb.ft).

16. Install the RH C-pillar lower trim panel.

- Install the 2 screws.
- Secure the clips.

17. Secure the RH C-pillar upper trim panel.

- Tighten the bolt to 6 Nm (4 lb.ft).
-

18. Secure the RH rear door aperture weatherstrip.

19. Install the LH C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel (501-05, Removal and Installation).

20. Install the RH B-pillar trim panel.

- Secure the 4 clips to the RH B-pillar trim panel.
 - Install the Torx bolt and tighten to 6 Nm (4 lb.ft).
-

21. Secure the RH front and rear door aperture weatherstrips.

22.

NOTE:

Make sure no damage is caused to the vehicle trim when installing the front seat.

With assistance carefully install the RH front seat.

- Remove the protection from around the door aperture.
-

23.

CAUTION:

Make sure the wiring harness is installed to its original position.

Reposition the RH front seat for access.

- Connect the 4 electrical connectors.
-

24.

NOTE:

Make sure the 3 seat rail covers are fitted to their original positions. Note: The inner front seat rail does not have a seat rail cover.

Install the 2 front bolts to the RH front seat.

- Align the RH front seat locating pegs.
- Position the RH front seat fully rearwards.
- Tighten the RH front seat front bolts to 45 Nm (33 lb.ft).

25.

NOTE:

Make sure the 3 seat rail covers are fitted to their original positions. Note: The inner front seat rail does not have a seat rail cover.

Install the 2 rear bolts to the RH front seat.

- Position the RH front seat fully forwards.
- Tighten the RH front seat rear bolts to 45 Nm (33 lb.ft).

26. Attach the safety belt lower anchor to the RH front seat.

- Install a new bolt and tighten to 45 Nm (33 lb.ft).

27. Install the safety belt lower anchor bolt cover.

28. Reposition the RH front seat to the original position.

29. Install the LH B-pillar trim panel.

For additional information, refer to: B-Pillar Trim Panel (501-05, Removal and Installation).

30. Install the A-pillar trim panels.

- Secure the 2 clips.
- Install the Torx bolts and tighten to 6 Nm (4 lb.ft).

31. Secure the RH door aperture weatherstrip.

32. Install the RH rear seat.

For additional information, refer to: Rear Seat (501-10, Removal and Installation).

33. Connect the battery ground cable.

For additional information, refer to: Specifications (414-00, Specifications).



Vehicles with roof opening panel

1. Install the roof opening panel securing plate.

- Install the 15 screws.
-

2. Install the roof opening panel shield.

For additional information, refer to: Roof Opening Panel Shield (501-17, Removal and Installation).

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

HEADLINER - ULTIMATE, VEHICLES WITH: REAR BUSINESS SEATS (G1395448)

REMOVAL AND INSTALLATION

76.64.15	HEADLINER - SUNSHINE/SLIDING ROOF CONDITION - RENEW	ALL DERIVATIVES	3.1	USED WITHINS	+
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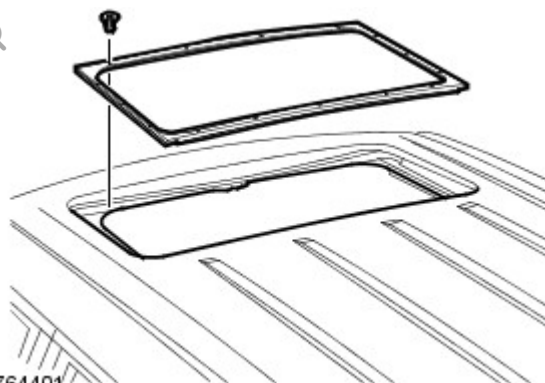
REMOVAL



Vehicles with roof opening panel

1. Remove the roof opening panel shield.
For additional information, refer to: Roof Opening Panel Shield
(501-17, Removal and Installation).
-

2.



M764401

Remove the roof opening panel securing plate.

- Remove the 15 screws.

3.

NOTE:

All vehicles.

Remove the RH rear seat.

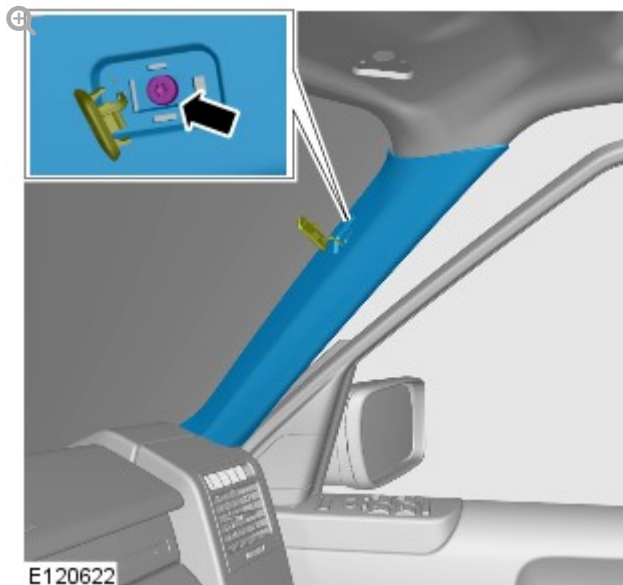
For additional information, refer to: Rear Seat - Vehicles With: Rear Business Seats (501-10, Removal and Installation).

4. Remove the 4 door aperture weatherstrips.

5.

NOTE:

Right-hand shown, left-hand similar.



Remove the A-pillar trim panels.

- Remove the 2 Torx screws.

6. Remove the LH B-pillar upper trim panel.

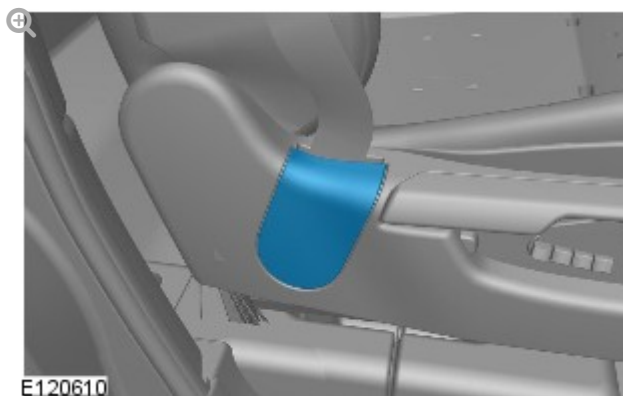
For additional information, refer to: B-Pillar Trim Panel (501-05, Removal and Installation).

7. Position the RH front seat fully forwards.

8.

NOTES:

- Release the front safety belt lower anchor bolt cover clip upwards and away from the front seat base side trim panel.
- Raise the seat base for access.



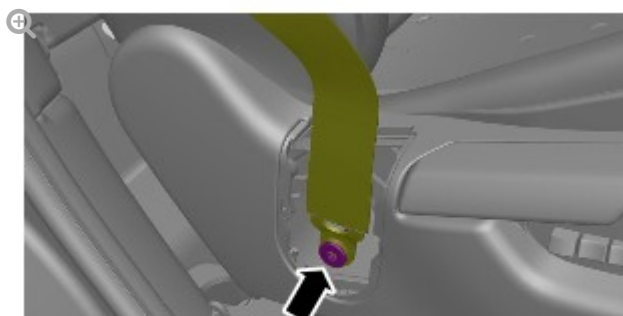
Remove the safety belt lower anchor bolt cover from the RH front seat.

- Carefully release the clip from behind the RH front seat base side trim panel.
- Remove the cover.

9.

NOTE:

Lower the seat base for access.





E120612

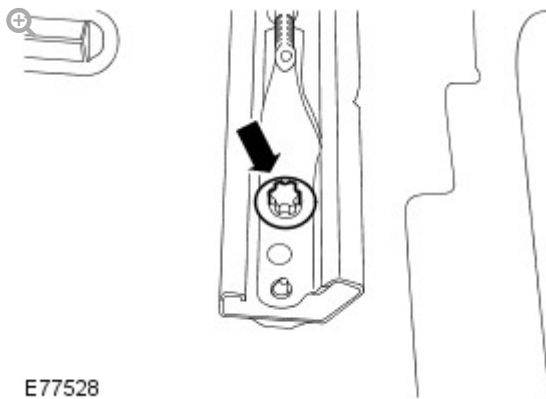
Release the safety belt lower anchor from the RH front seat.

- Remove and discard the bolt.

10.

NOTE:

Right-hand shown, left-hand similar.

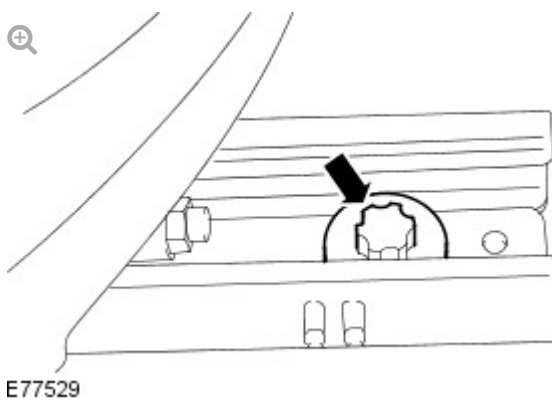


Remove the 2 rear bolts from the RH front seat.

11.

NOTE:

Right-hand shown, left-hand similar.



Remove the 2 front bolts from the RH front seat.

- Position the RH front seat fully rearwards.

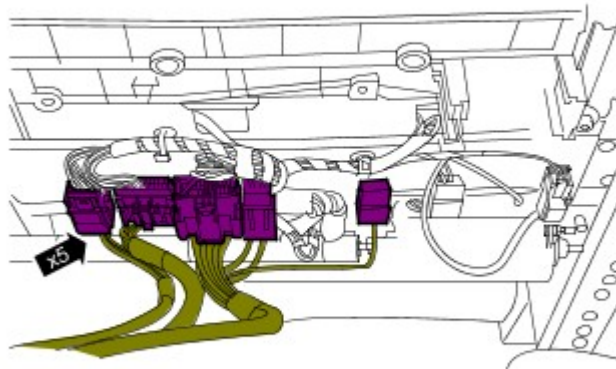
-
12. Reposition the RH front seat to the central position.
 - Reposition the RH front seat backrest to the fully upright position.
 - Lower the RH front seat head restraint to the fully lowered position.



All vehicles

-
1. Make the air bag supplemental restraint system (SRS) safe.
For additional information, refer to: Standard Workshop Practices (100-00, Description and Operation).
 2. Disconnect the battery ground cable.
For additional information, refer to: Specifications (414-00, Specifications).

-
3. 



E137121

Reposition the RH front seat for access.

- Disconnect the 5 electrical connectors.

-
- 4.

NOTE:

Make sure no damage is caused to the vehicle trim when

removing the front seat.

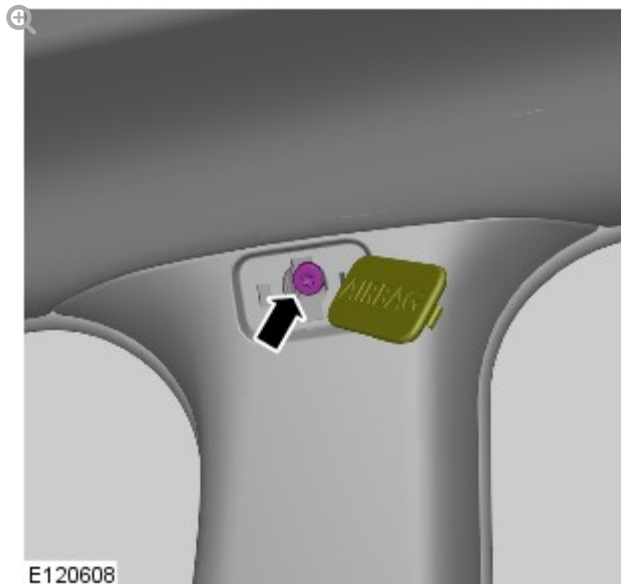
With assistance carefully remove the RH front seat.

- Fit protection around the door aperture to protect the interior.

5.

NOTE:

Right-hand shown, left-hand similar.

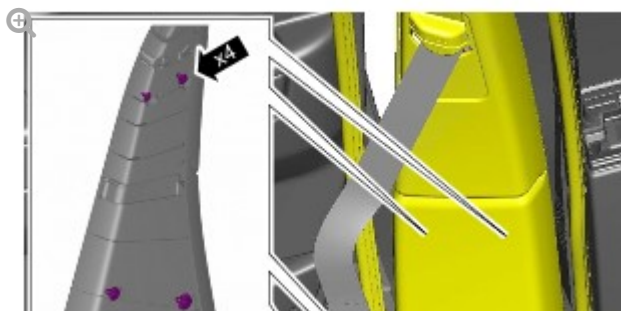


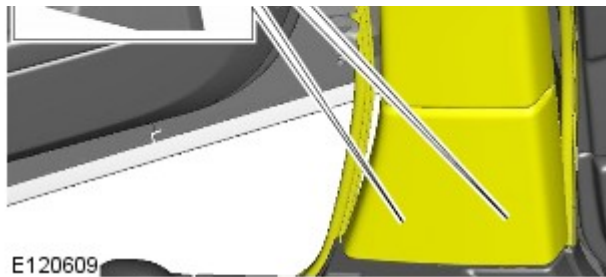
Remove the 2 bolts.

6.

NOTE:

Right-hand shown, left-hand similar.





Release the 4 clips from the RH B-pillar lower trim panel.

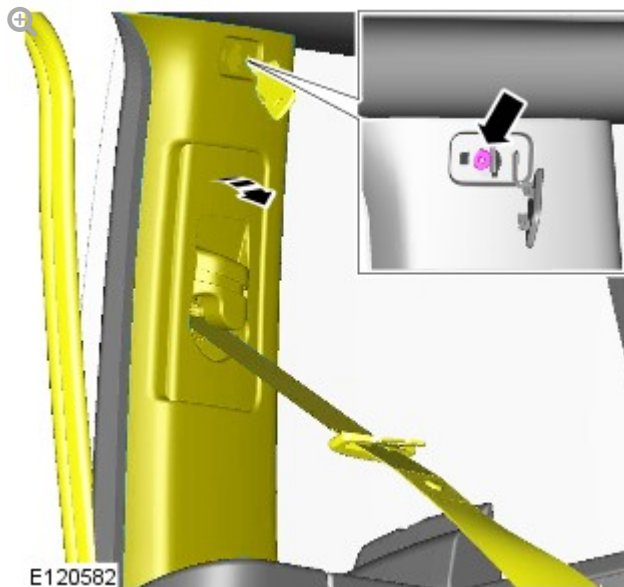
-
7. Remove the RH B-pillar upper trim panel.
 - Release the 4 clips from the RH B-pillar upper trim panel.

-
8. Remove the LH C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel - Vehicles With: Rear Business Seats (501-05, Removal and Installation).

-
9. **NOTE:**

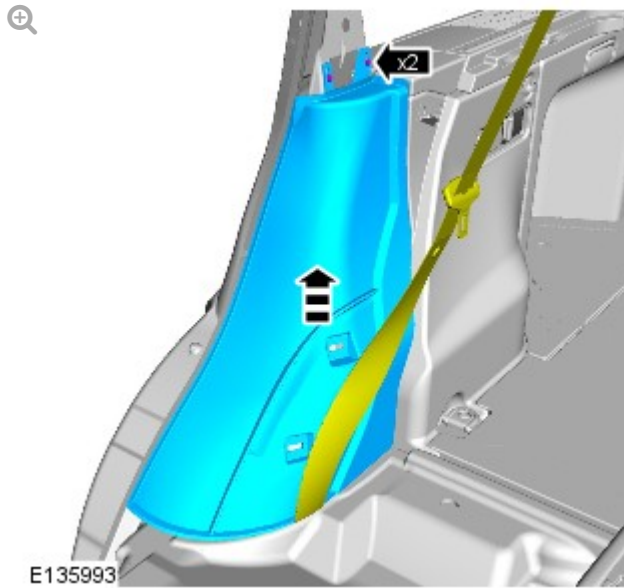
Right-hand shown, left-hand similar.



Release the RH C-pillar upper trim panel.

-
10. **NOTE:**

Right-hand shown, left-hand similar.



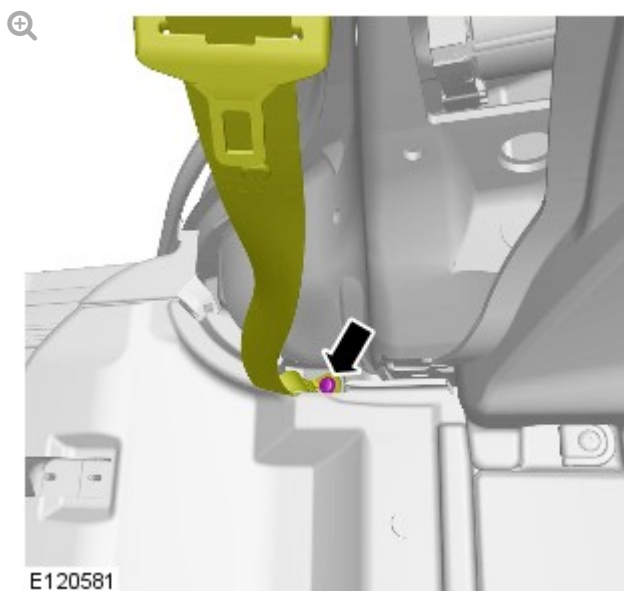
Remove the RH C-pillar lower trim panel.

- Remove the 2 screws.
- Release from the clips.

11.

NOTE:

Right-hand shown, left-hand similar.



Release the RH rear safety belt lower anchor.

- Remove and discard the bolt.

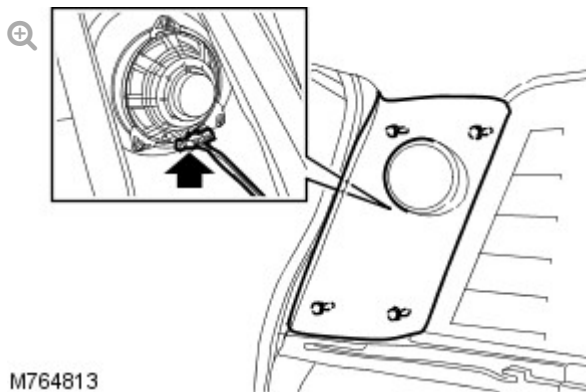
12. Remove the LH rear quarter trim panel.

For additional information, refer to: Rear Quarter Trim Panel (501-05, Removal and Installation).

13.

NOTE:

Left-hand shown, right-hand similar.



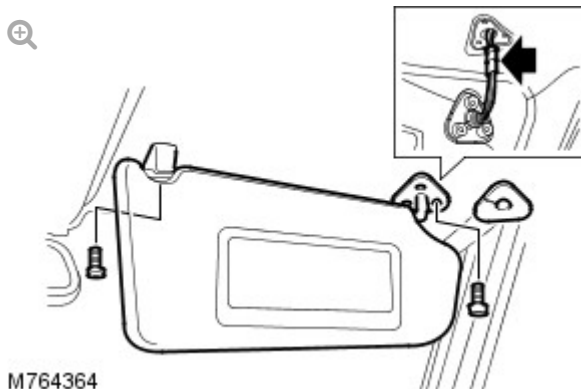
Remove the RH rear quarter trim panel.

- Disconnect the electrical connector.

14. Remove the LH sun visor.

For additional information, refer to: Sun Visor (501-05, Removal and Installation).

15.



Remove the RH sun visor.

- Carefully release the RH sun visor mounting trim panel.
- Remove the 4 screws.
- Disconnect the electrical connector.
- Remove the RH sun visor.

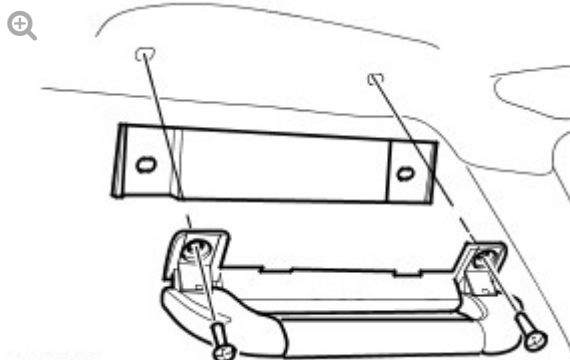
16. Remove the overhead console.

For additional information, refer to: Overhead Console (501-12, Removal and Installation).

17. Remove the center interior lamp.

For additional information, refer to: Center Interior Lamp (417-02, Removal and Installation).

18.

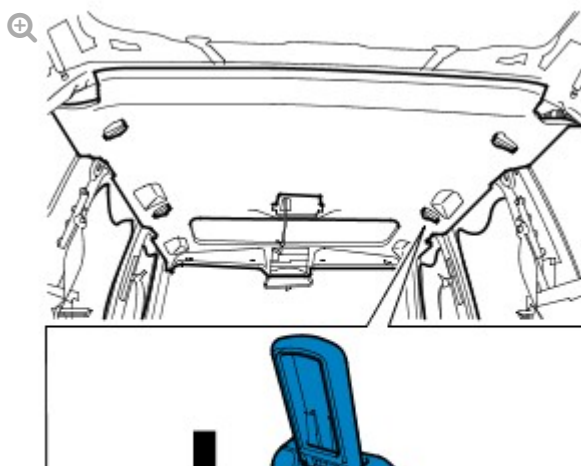


M764442

Remove the 4 grab handles.

- Release the grab handle screw covers.
- Remove the screws.
- Remove the grab handle mounting plates.

19.

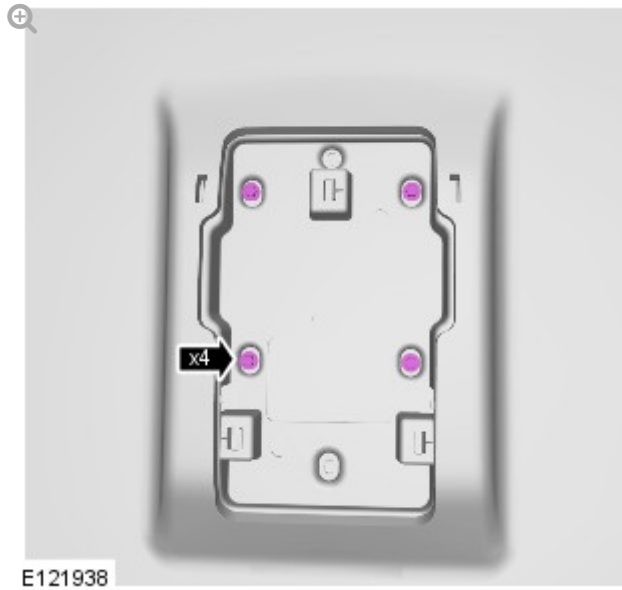




Remove the 2 cargo net hangers.

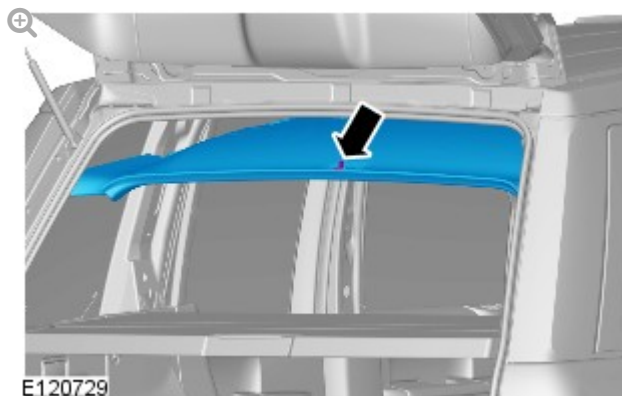
- Reposition the cargo net hanger covers.
- Remove the screws.

20.



Remove the 4 screws from the headliner.

21.



Carefully release the clip from the rear of the headliner.

22.

NOTE:

Remove the headlining from the rear of the vehicle.

With assistance, carefully remove the headliner.

INSTALLATION



All vehicles

1. With assistance, install the headliner.

2. Secure the clip to the rear of the headliner

3.

NOTE:

The 4 screws are located behind the center overhead console.

Install the 4 screws to the headliner.

4. Install the 4 door aperture weatherstrips to the headliner.

5. Install the 2 cargo net hangers.

- Install the screws.
- Reposition the cargo net hanger covers.

6. Install the 4 grab handles.

- Install the grab handle mounting plates.
- Install the screws.
- Secure the grab handle screw covers.
- Tighten the screw to 7 Nm. (5 lb.ft).

7. Install the center interior lamp.

For additional information, refer to: Center Interior Lamp (417-02, Removal and Installation).

8. Install the overhead console.

For additional information, refer to: Overhead Console (501-12, Removal and Installation).

9. Install the RH sun visor clip to the headliner.

- Install the screw.

10. Install the RH sun visor.

- Connect the electrical connector.
- Install the 3 screws.

11. Install the RH sun visor mounting trim panel.

- Secure the RH sun visor mounting trim panel.

12. Secure the RH sun visor to the RH sun visor clip.

13. Install the LH sun visor.

For additional information, refer to: Sun Visor (501-05, Removal and Installation).

14. Install the RH rear quarter trim panel.

- Connect the electrical connector.

15. Secure the RH rear quarter trim panel.

- Secure the 4 clips.

16. Install the LH rear quarter trim panel.

For additional information, refer to: Rear Quarter Trim Panel (501-05, Removal and Installation).

17. Install the RH C-pillar upper trim panel.

- Reposition the RH rear safety belt through the RH C-pillar upper trim panel.

18. Secure the RH rear safety belt lower anchor.

- Tighten the new bolts to 45 Nm (33 lb.ft).

19. Install the RH C-pillar lower trim panel.

- Install the 2 screws.
- Secure the clips.

20. Secure the RH C-pillar upper trim panel.

- Tighten the bolt to 6 Nm (4 lb.ft).

21. Secure the RH rear door aperture weatherstrip.

22. Install the LH C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel - Vehicles With: Rear Business Seats (501-05, Removal and Installation).

23. Install the RH B-pillar upper trim panel.

- Secure the 4 clips to the RH B-pillar upper trim panel.
- Install the Torx bolt and tighten to 6 Nm (4 lb.ft).

24. Secure the 4 clips to the RH B-pillar lower trim panel.

- Install the Torx bolt and tighten to 6 Nm (4 lb.ft).

25. Secure the RH front and rear door aperture weatherstrips.

26.

NOTE:

Make sure no damage is caused to the vehicle trim when installing the front seat.

With assistance carefully install the RH front seat.

- Remove the protection from around the door aperture.

27.

CAUTION:

Make sure the wiring harness is installed to its original position.

Reposition the RH front seat for access.

- Connect the 5 electrical connectors.

28. Connect the battery ground cable.

For additional information, refer to: Specifications (414-00, Specifications).

29.

NOTE:

Make sure the 3 seat rail covers are fitted to their original positions. Note: The inner front seat rail does not have a seat rail cover.

Install the 2 front bolts to the RH front seat.

- Align the RH front seat locating pegs.
- Position the RH front seat fully rearwards.
- Tighten the RH front seat front bolts to 45 Nm (33 lb.ft).

30.

NOTE:

Make sure the 3 seat rail covers are fitted to their original positions. Note: The inner front seat rail does not have a seat rail cover.

Install the 2 rear bolts to the RH front seat.

- Position the RH front seat fully forwards.
- Tighten the RH front seat rear bolts to 45 Nm (33 lb.ft).

31. Attach the safety belt lower anchor to the RH front seat.

- Install a new bolt and tighten to 45 Nm (33 lb.ft).

32. Install the safety belt lower anchor bolt cover.

33. Reposition the RH front seat to the original position.

34. Install the LH B-pillar upper trim panel.

For additional information, refer to: B-Pillar Trim Panel (501-05, Removal and Installation).

35. Install the A-pillar trim panels.

- Secure the 2 clips.
- Install the Torx bolts and tighten to 6 Nm (4 lb.ft).

36. Secure the RH door aperture weatherstrip.

37. Install the RH rear seat.

For additional information, refer to: Rear Seat - Vehicles With: Rear Business Seats (501-10, Removal and Installation).



Vehicles with roof opening panel

1. Install the roof opening panel securing plate.

- Install the 15 screws.

2. Install the roof opening panel shield.

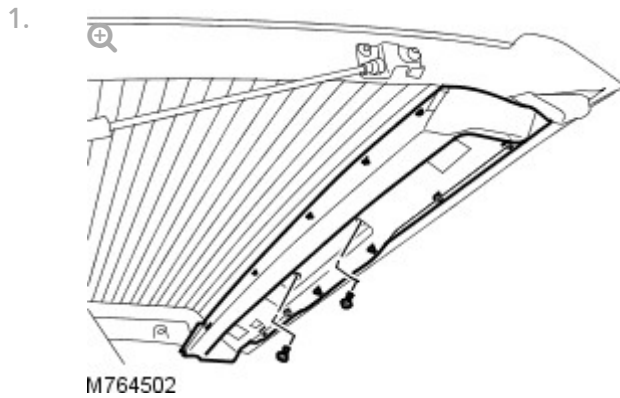
For additional information, refer to: Roof Opening Panel Shield (501-17, Removal and Installation).

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

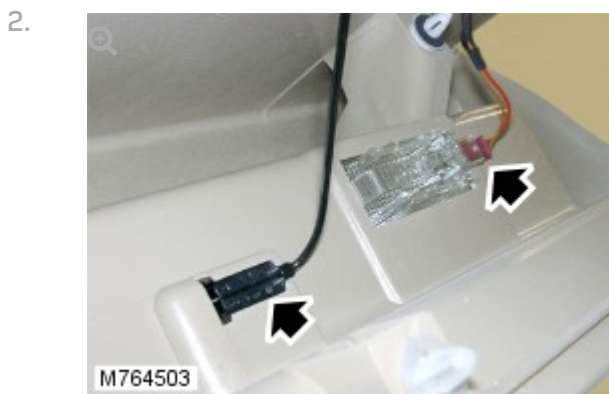
**LIFTGATE LOWER TRIM
PANEL** (G913563)

REMOVAL



Release the liftgate lower trim panel.

- Remove the 2 screws.
- Release the 11 clips.



Remove the liftgate lower trim panel.

- Disconnect the 2 electrical connectors.
- Disconnect the liftgate release handle cable from the liftgate lower trim panel.

3.

NOTE:

Do not disassemble further if the component is removed for access only.

Remove the 2 lamps from the liftgate lower trim panel.

- Remove the 11 clips.

INSTALLATION

1. Install the lamps to the liftgate lower trim panel.

- Install the 11 clips.

2. Install the liftgate lower trim panel.

- Connect the liftgate release handle cable to the liftgate lower trim panel.
- Secure the liftgate lower trim panel.
- Install the screws.
- Connect the electrical connectors.

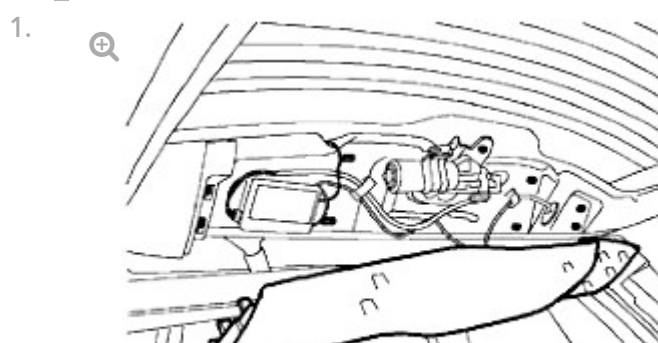
2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

LIFTGATE UPPER TRIM PANEL (G906115)

REMOVAL AND INSTALLATION

REMOVAL





Remove the liftgate upper trim panel.

- Release the 9 clips.

INSTALLATION

1. Install the liftgate upper trim panel.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

LOADSPACE TRIM PANEL

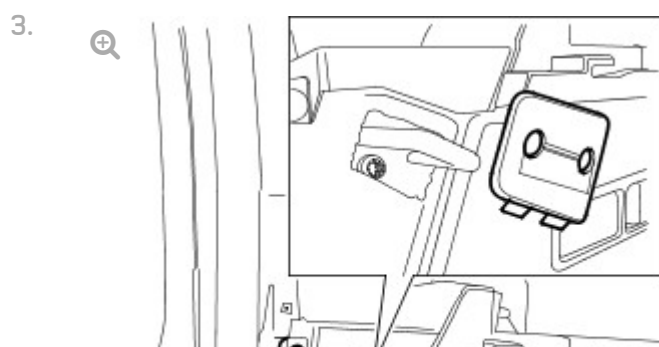
[G928364]

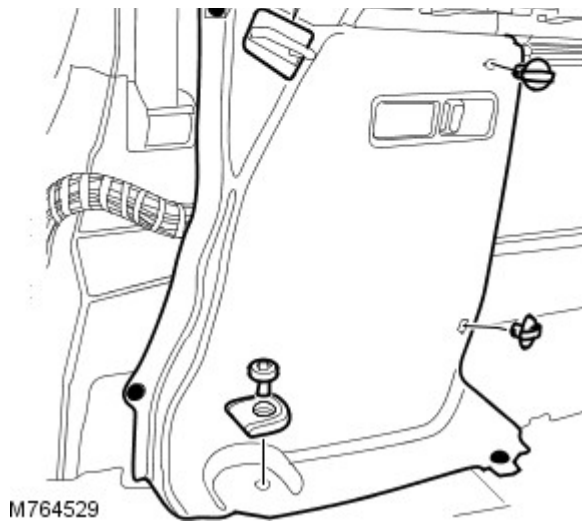
REMOVAL AND INSTALLATION

76.13.83	TRIM CASING - LUGGAGE COMPARTMENT - LH - RENEW - WITH REAR BUSINESS SEATS FITTED	ALL DERIVATIVES	1.2	USED WITHINS	+
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REMOVAL

1. Remove the C-pillar upper trim panel.
For additional information, refer to: C-Pillar Upper Trim Panel (501-05, Removal and Installation).
 2. Remove the access panel from the loadspace trim panel.
-





Remove the loadspace securing ring.

- Remove the bolt.

4. Remove the loadspace trim panel.

- Remove the rear seat backrest catch trim panel.
- Remove the 5 clips.
- Disconnect the electrical connector from the interior lamp.
- Disconnect the electrical connector from the accessory socket.

INSTALLATION

1. Install the loadspace trim panel.

- Connect the electrical connector to the interior lamp.
- Connect the electrical connector to the accessory socket.
- Secure the 5 clips.
- Install the rear seat backrest catch trim panel.

2. Install the loadspace securing ring.

- Tighten the bolt to 25 Nm (18 lb.ft).

3. Install the access panel to the loadspace trim panel.

-
4. Install the C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel (501-05, Removal and Installation).

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

**LOADSPACE TRIM PANEL -
ULTIMATE, VEHICLES WITH:**

SEAT BUCKLES, SEATBELT

REAR BUSINESS SEATS (G1395449)

REMOVAL AND INSTALLATION

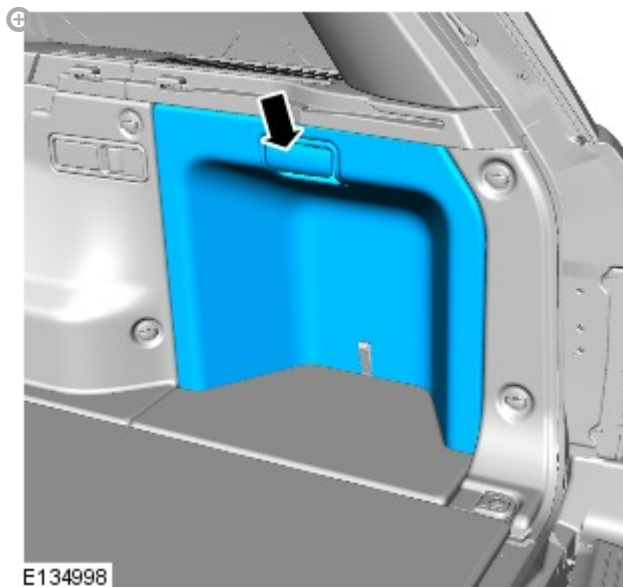
76.13.83	TRIM CASING - LUGGAGE COMPARTMENT - LH - RENEW - WITH REAR BUSINESS SEATS FITTED	ALL DERIVATIVES	1.2	USED WITHINS	+
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REMOVAL

1.

NOTES:

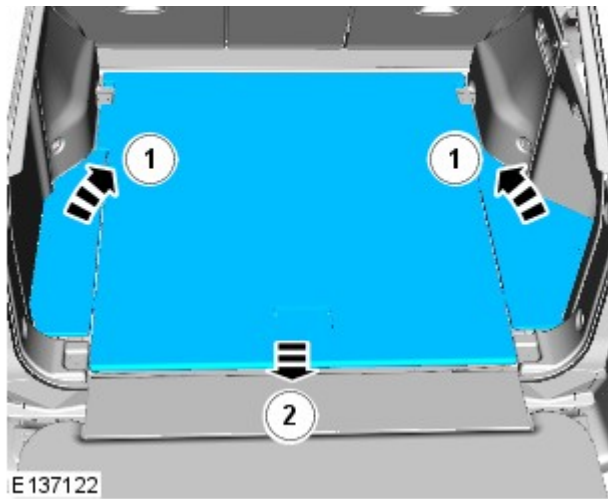
- All vehicles.
- RH illustration shown, LH is similar.



Remove the access panel from the loadspace trim panel.

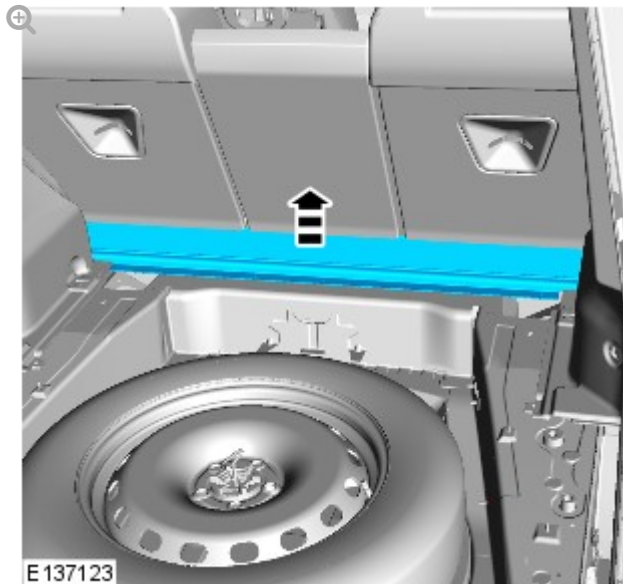
2.





Remove the loadspace floor center panel.

3.



Remove the loadspace floor gap fill panel.

4.

NOTE:

Only carry out the following steps if removing the right hand (RH) loadspace trim panel.

Remove the RH C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel - Vehicles With: Rear Business Seats (501-05, Removal and Installation).

5.



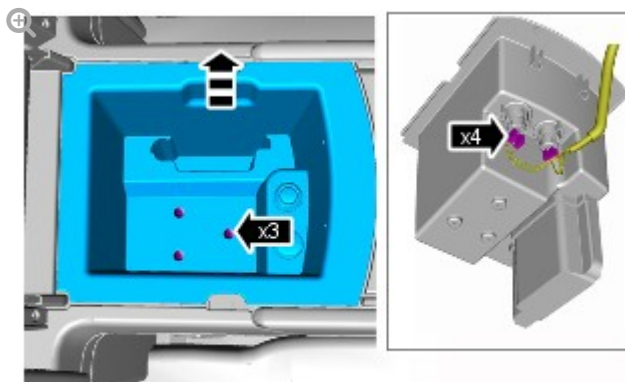
Raise the armrest.

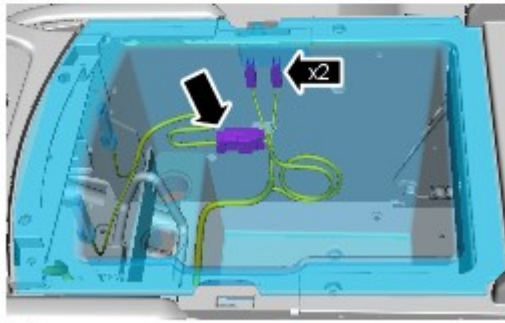
6.



Raise the centre console table.

7.



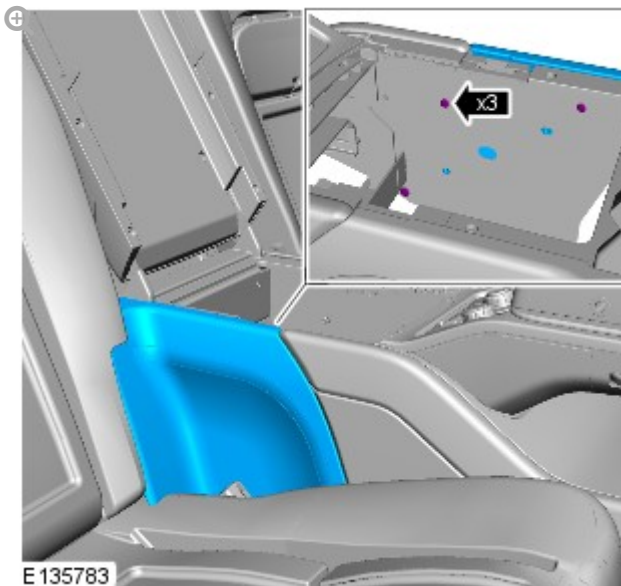


E135772

Remove the storage compartment.

- Remove the 3 retaining screws.
- Raise the storage compartment and disconnect the 7 electrical connectors.

8.

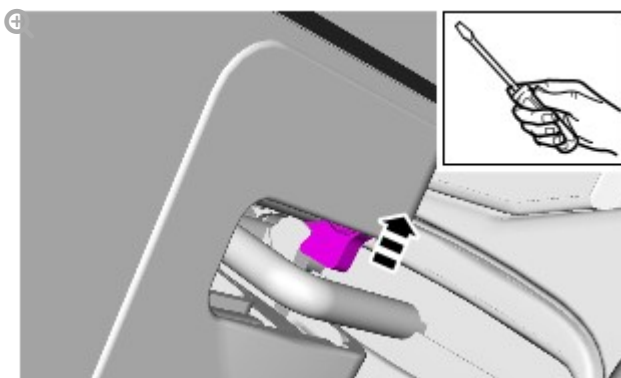


E135783

Remove the RH rear trim panel.

- Remove the 3 retaining screws.

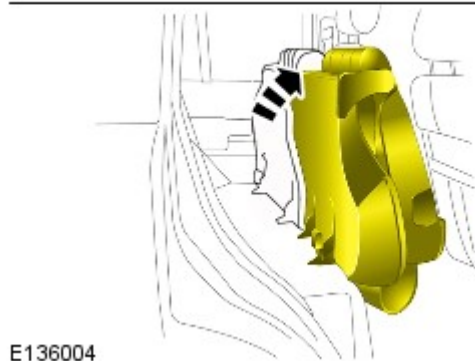
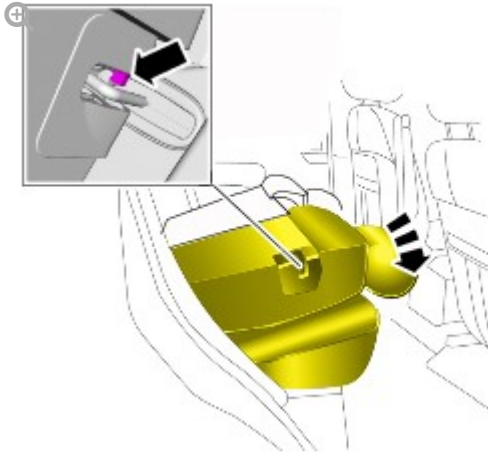
9.





Using a suitable tool, release the RH seat latch.

10.



E136004

Fold the RH rear seat fully forwards.

11.

NOTE:

Only carry out the following steps if removing the left hand (LH) loadspace trim panel.

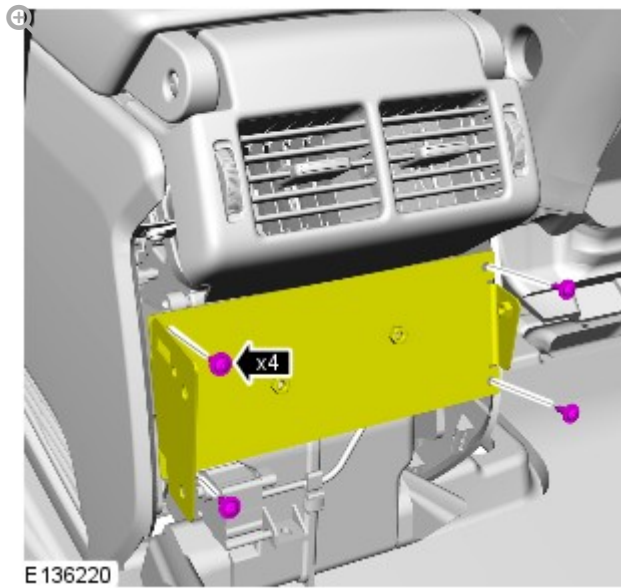
Remove the LH C-pillar upper trim panel.

For additional information, refer to: C-Pillar Upper Trim Panel - Vehicles With: Rear Business Seats (501-05, Removal and Installation).

12. Remove the rear seat center console.

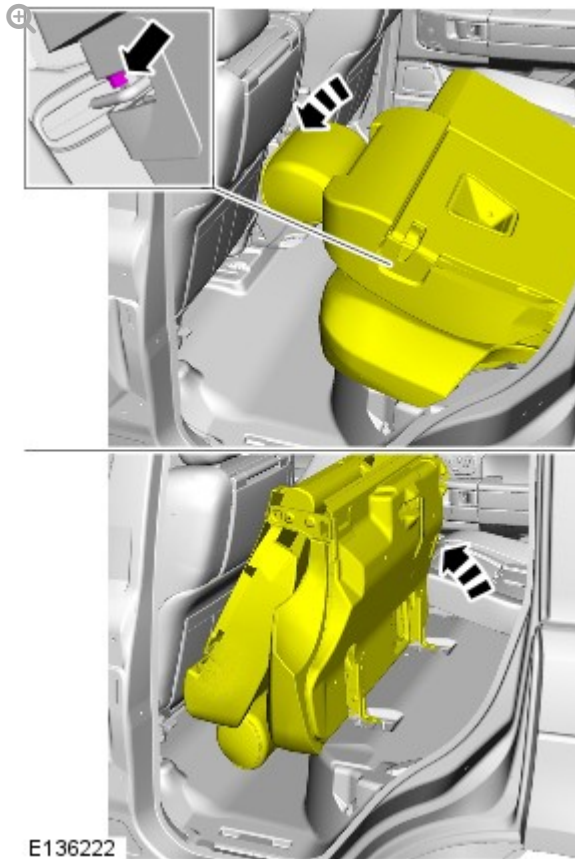
For additional information, refer to: Rear Seat Center Console (501-12, Removal and Installation).

13.



Position the bracket aside.

14.



Fold the LH rear seat fully rearwards.

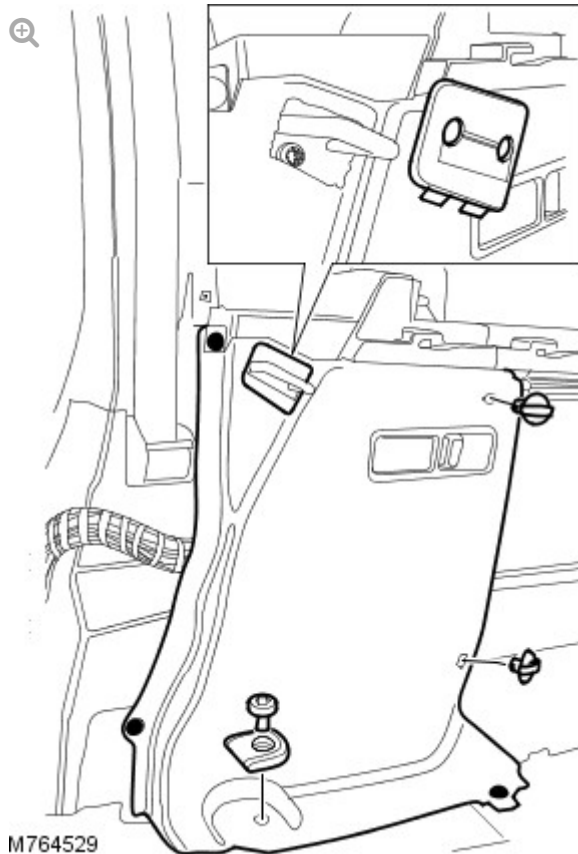
Carefully feed the center console wiring harness through the

- Carefully feed the center console wiring harness through the grommet.

15.

NOTE:

All vehicles.



Remove the loadspace securing ring.

- Remove the bolt.

16. Remove the loadspace trim panel.

- Remove the rear seat backrest catch trim panel.
- Remove the 5 clips.
- Disconnect the electrical connector from the interior lamp.
- Disconnect the electrical connector from the accessory socket.

1.

NOTE:

All vehicles.

Install the loadspace trim panel.

- Connect the electrical connector to the interior lamp.
- Connect the electrical connector to the accessory socket.
- Secure the 5 clips.
- Install the rear seat backrest catch trim panel.

2. Install the loadspace securing ring.

- Tighten the bolt to 25 Nm (18 lb.ft).

3.

NOTE:

This step is only required if previously removed.

Secure the LH rear seat.

4.

NOTE:

This step is only required if previously removed.

Install the bracket.

- Tighten the bolts to 9 Nm (7 lb.ft)

5.

NOTE:

This step is only required if previously removed.

Install the rear seat center console.

Install the rear seat center console.

For additional information, refer to: Rear Seat Center Console (501-12, Removal and Installation).

6.

NOTE:

This step is only required if previously removed.

Secure the RH rear seat.

7.

NOTE:

This step is only required if previously removed.

Install the stowage compartment.

- Connect and secure the electrical connectors.
- Install the 3 retaining screws.
- Tighten to 1.5 Nm.

8.

NOTE:

This step is only required if previously removed.

Install the RH rear trim panel.

- Install the 3 retaining screws.

9.

NOTE:

All vehicles.

Install the C-pillar upper trim panel(s).

For additional information, refer to: C-Pillar Upper Trim Panel - Vehicles With: Rear Business Seats (501-05, Removal and

Installation).

10. Install the loadspace floor gap fill panel.

11. Install the loadspace floor center panel.

12. Install the access panel to the loadspace trim panel.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

REAR DOOR TRIM PANEL

[G1569076]

REMOVAL AND INSTALLATION

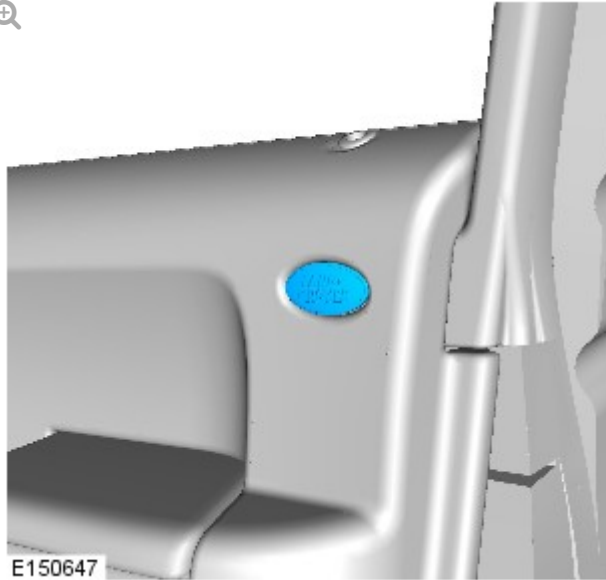
76.34.04	TRIM PANEL - REAR DOOR - RENEW	ALL DERIVATIVES	0.4	USED WITHINS	+
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REMOVAL

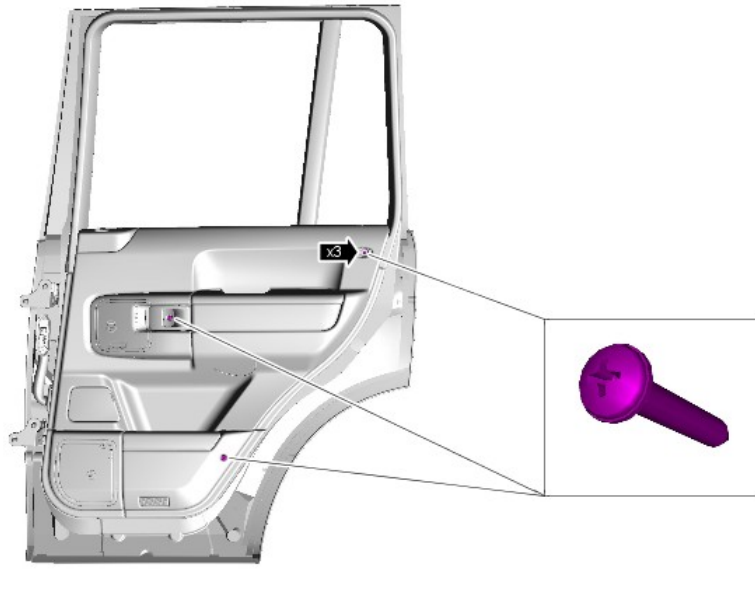
1. Disconnect the battery ground cable.

For additional information, refer to: [Specifications - Armoured](#) (414-00 Battery and Charging System - General Information, Specifications).

2. 

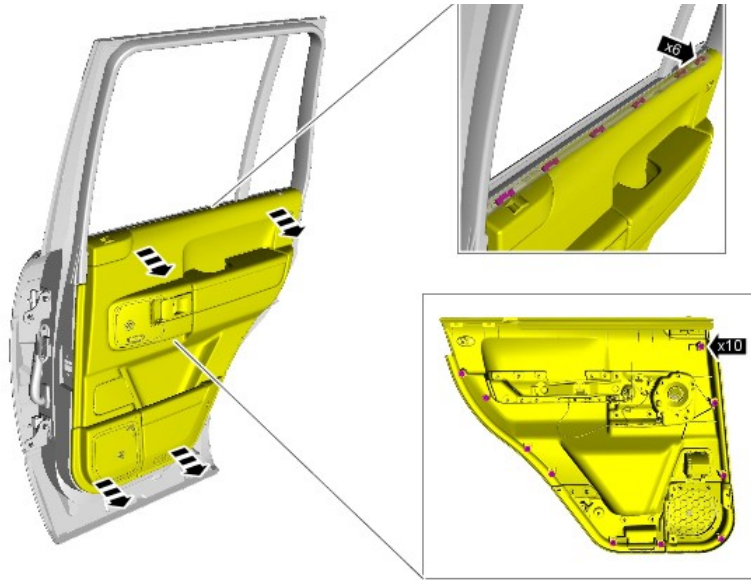


3. 



4. **CAUTION:**

Carefully release the door trim panel retaining clips.

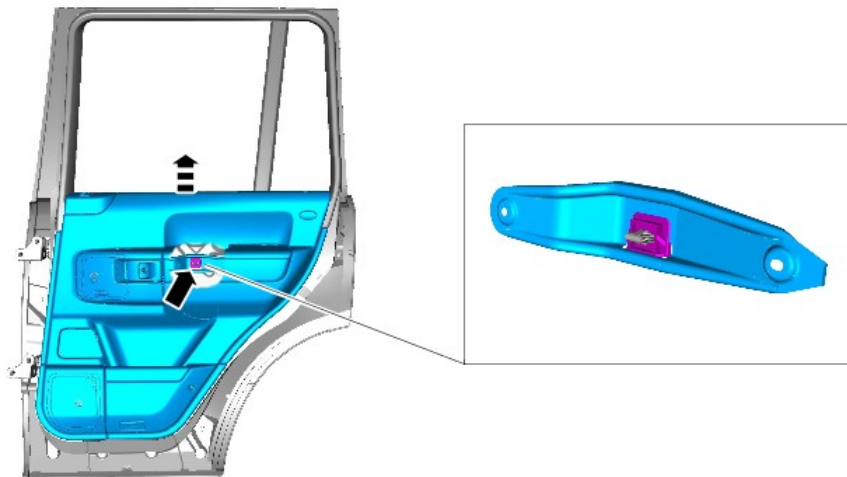


E150785

5.

CAUTION:

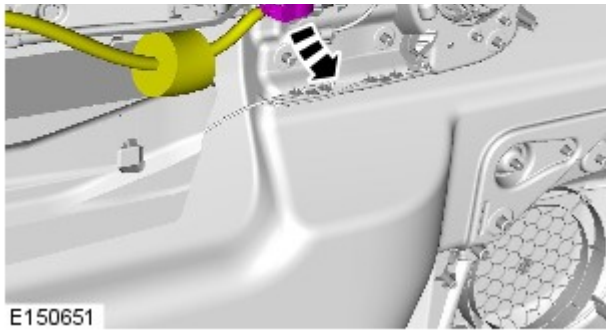
Make sure that the top of the door trim panel is clear of the weather strip.



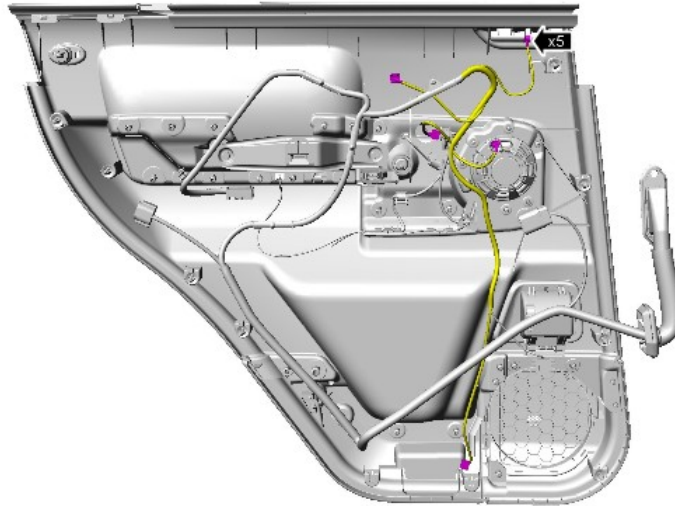
E150786

6.





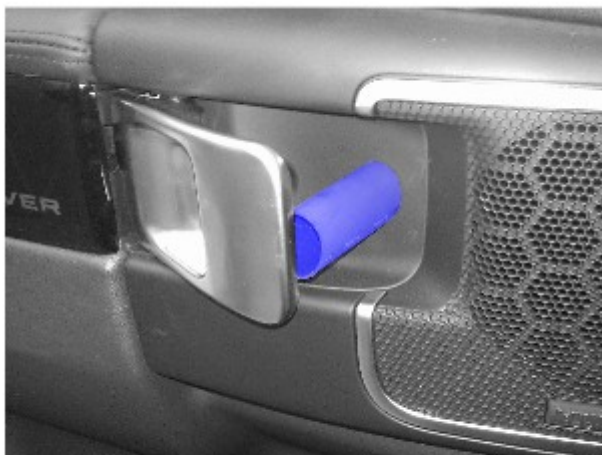
7. 



8. **NOTE:**

Do not disassemble further if component is removed for access only.

9. 





E150794

10.

NOTE:

Using two suitable pieces of laminated plastic, slide under the veneer at the areas illustrated, to aid removal of the component

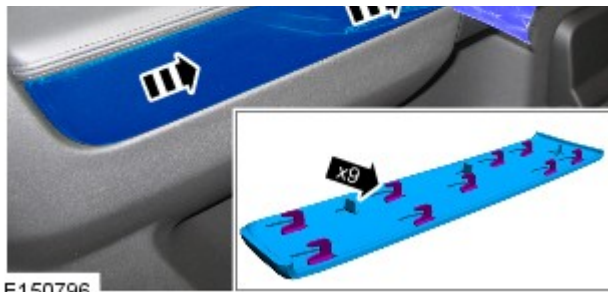


11.

CAUTIONS:

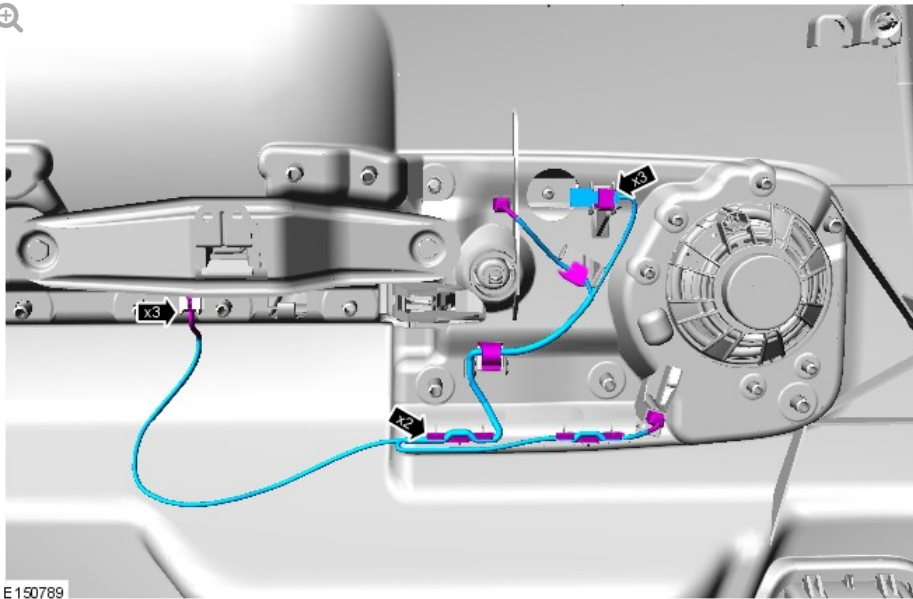
- Do not use tools during this operation, removal of the component must be carried out by hand.
- Do not use excessive force to release the component.





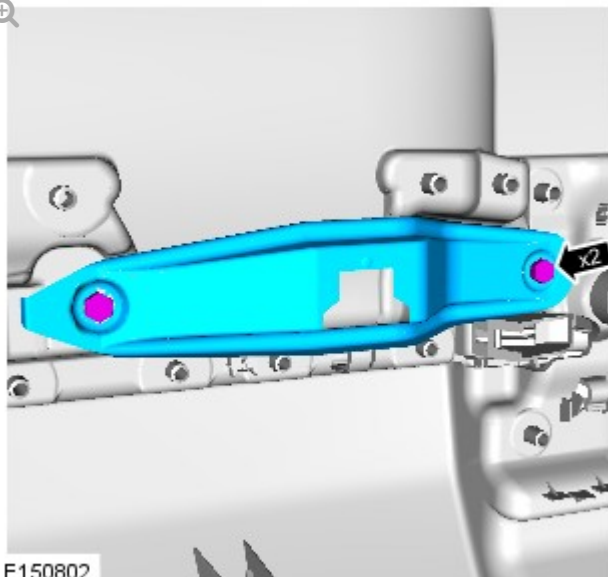
E150796

12. 



E150789

13. 

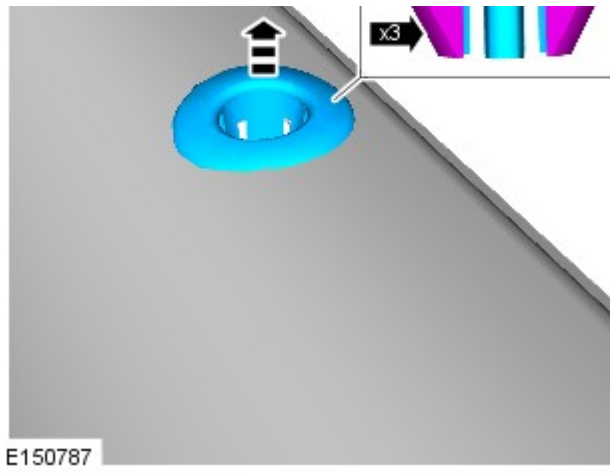


E150802

14. 



E150803



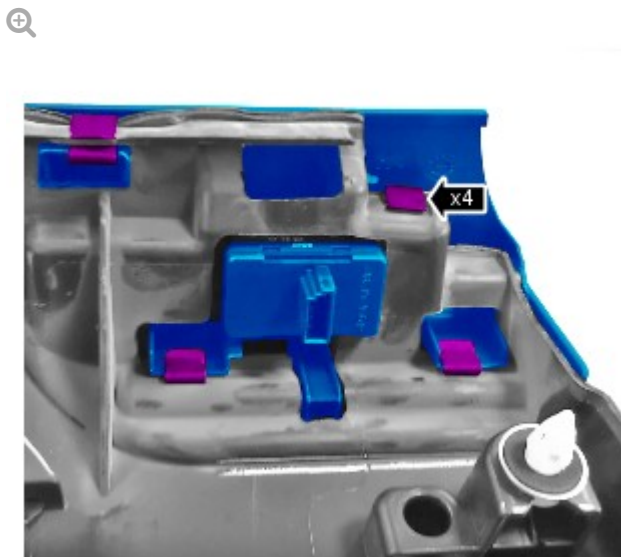
E150787

15.



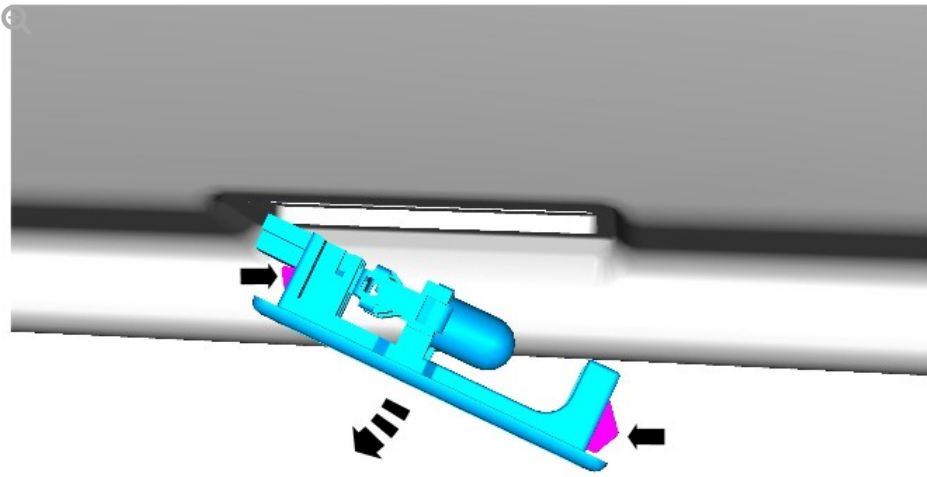
E150693

16.



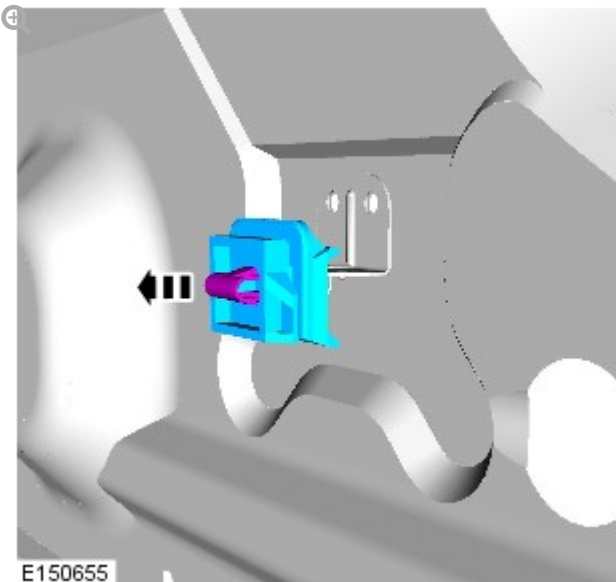
E150694

17.



E150661

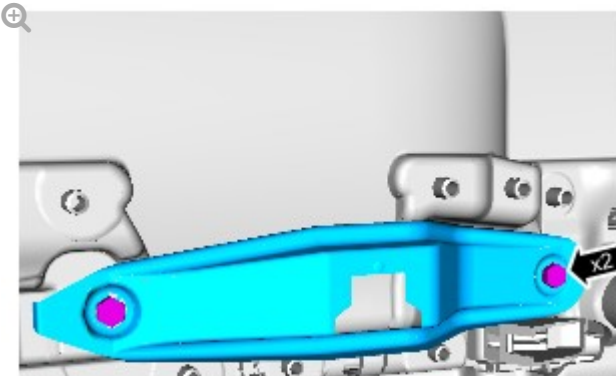
18.



E150655

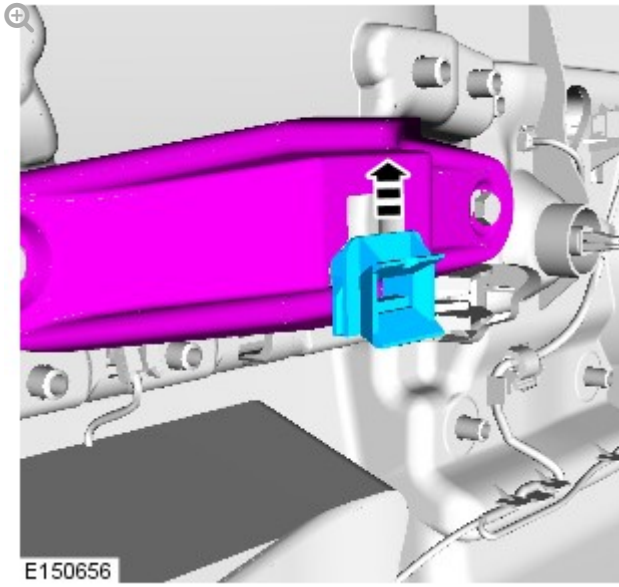
INSTALLATION

1.

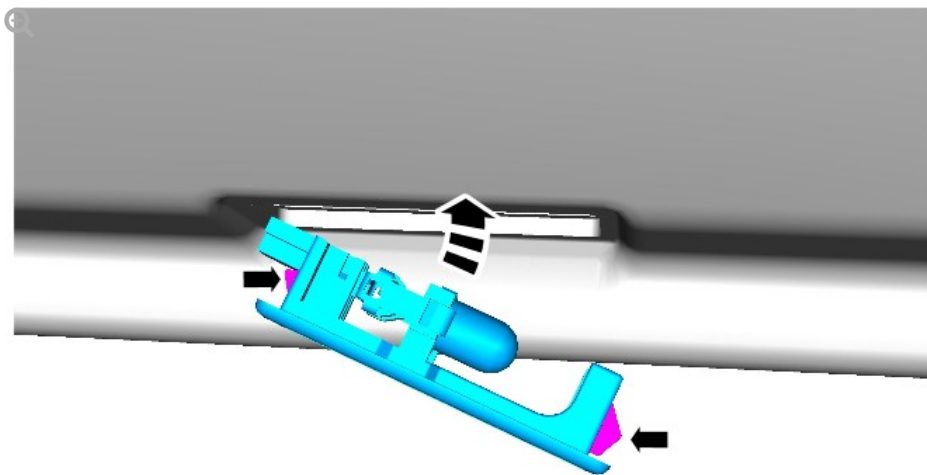




2.

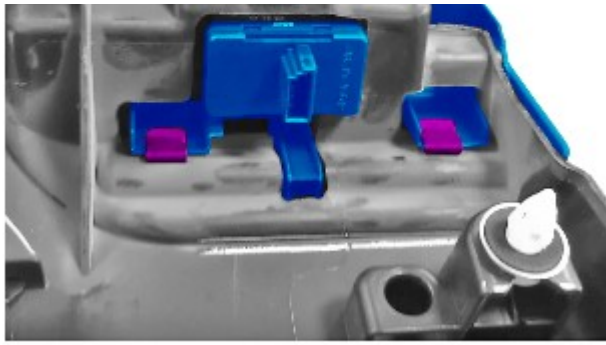


3.



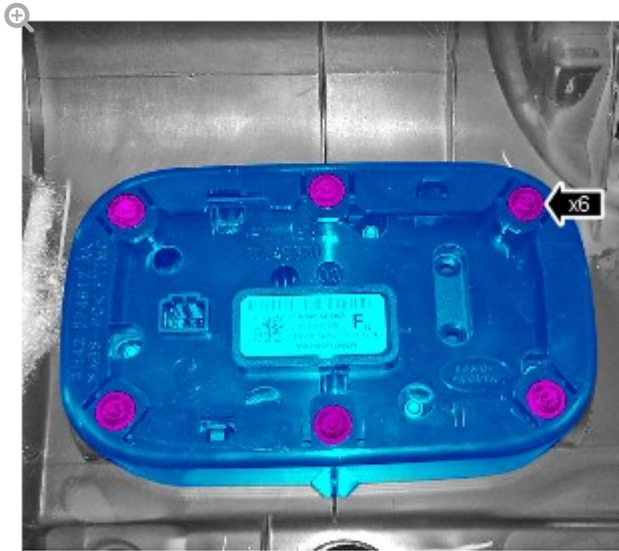
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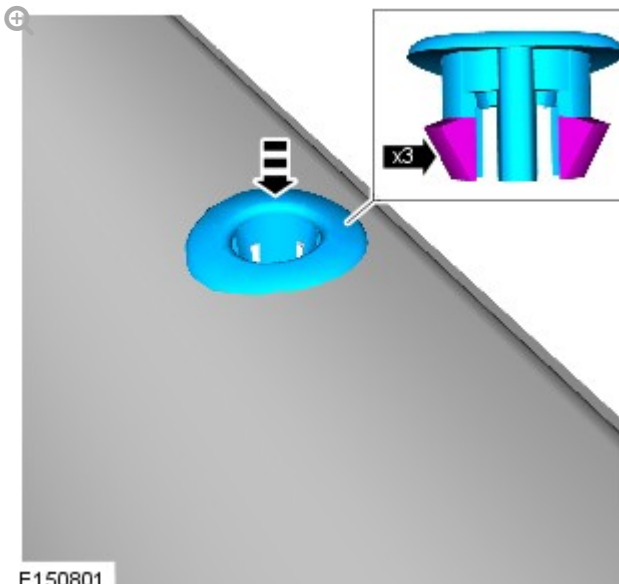
E150694

5.



E150693

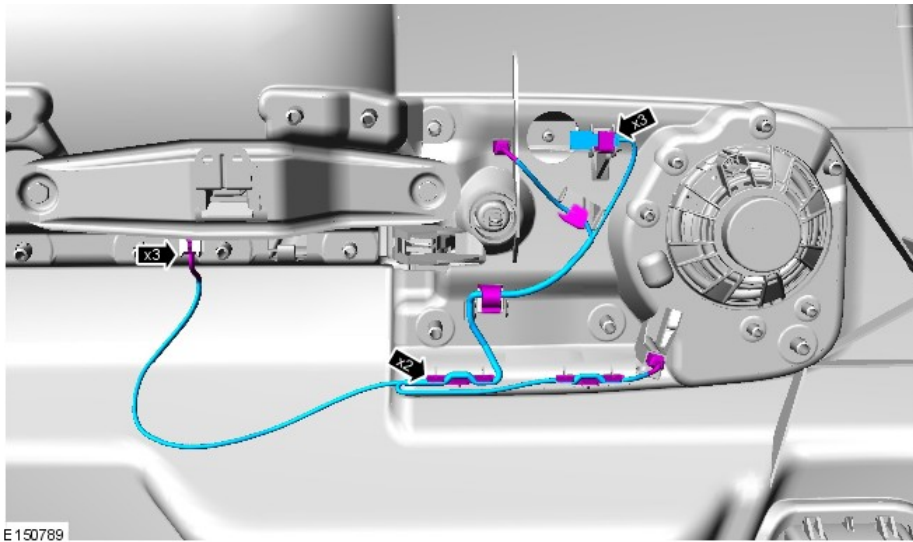
6.



E150801

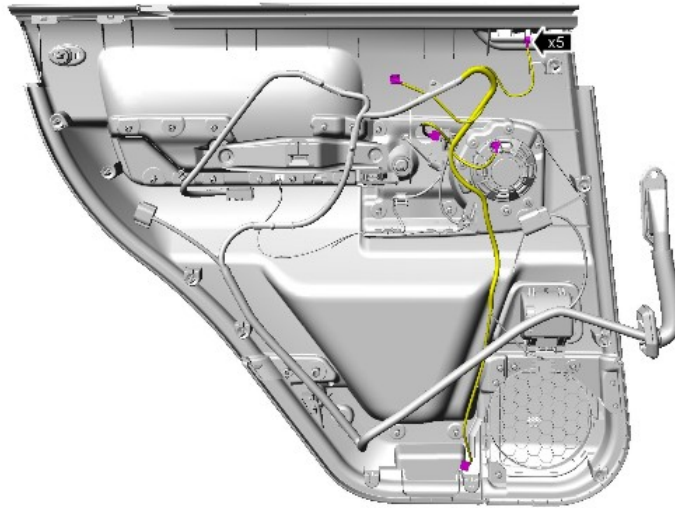
7.





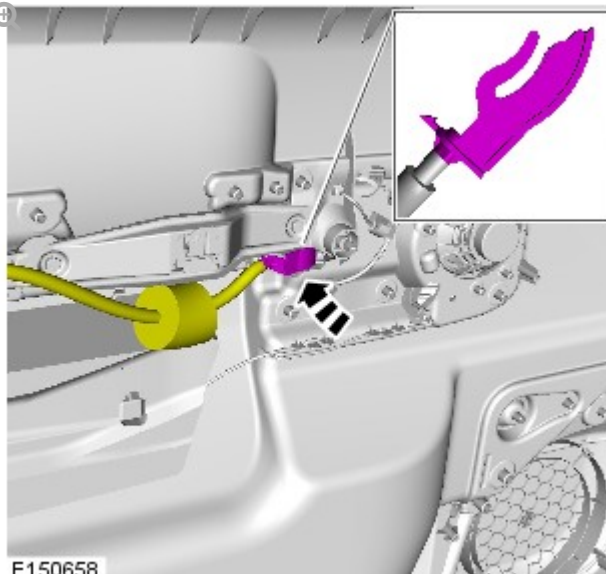
E150789

8.



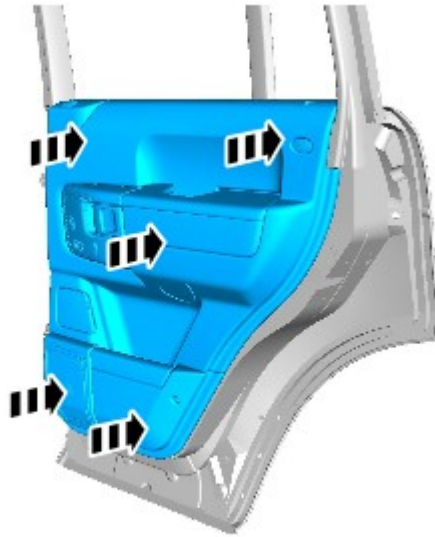
E150791

9.



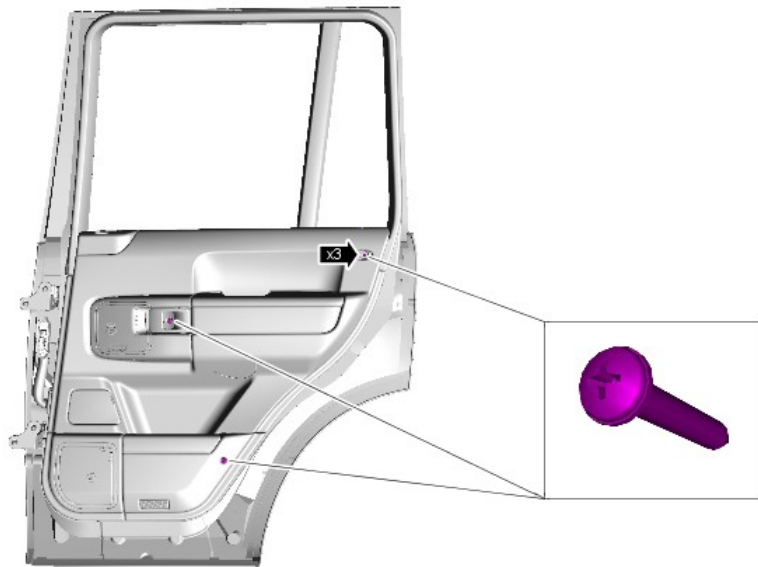
E150658

10.



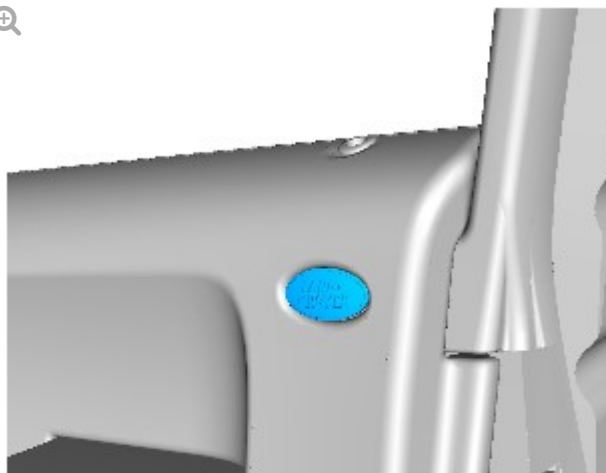
E150790

11.



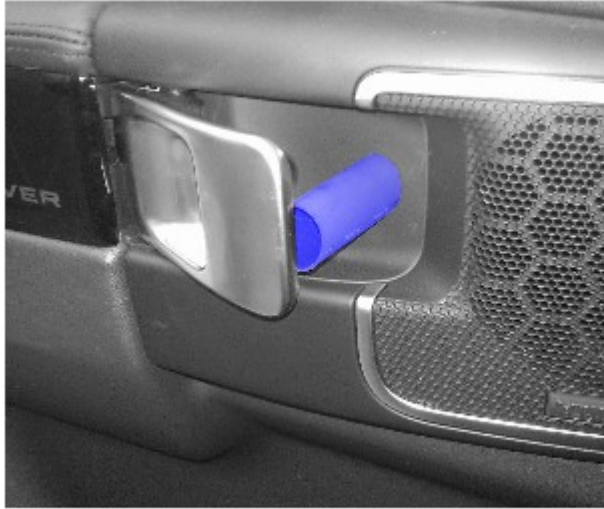
E150788

12.





13.



E150794

14.

CAUTION:

Do not use excessive force to install the component.



E150828

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

REAR DOOR TRIM PANEL - ARMOURED (G840502)

REMOVAL AND INSTALLATION

76.34.04	TRIM PANEL - REAR DOOR - RENEW	ALL DERIVATIVES	0.4	USED WITHINS	+
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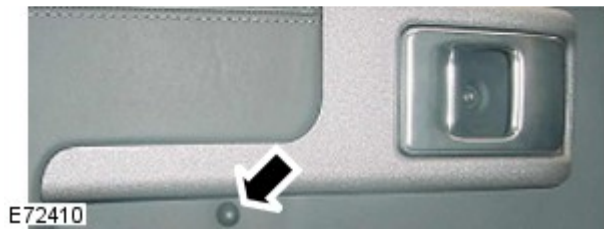
REMOVAL

NOTE:

This procedure should be used in conjunction with Trim Casing - Rear Door, SRO 76.34.04. as published in the Range Rover Workshop Manual.

1. Carry out steps 1 and 2 of the Workshop Manual procedure.
-





Remove the 2 additional screws from the trim casing (arrowed).

3. Carry out steps 3 to 7 of the Workshop Manual procedure.
4. Disconnect the multiplug from the speaker.
5. Remove the 4 screws securing the speaker to the door.
6. Remove the speaker.
7. Remove the door insulating cover.

INSTALLATION

1. To refit the trim casing, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

REAR DOOR TRIM PANEL -

.....


ULTIMATE (G1569076)

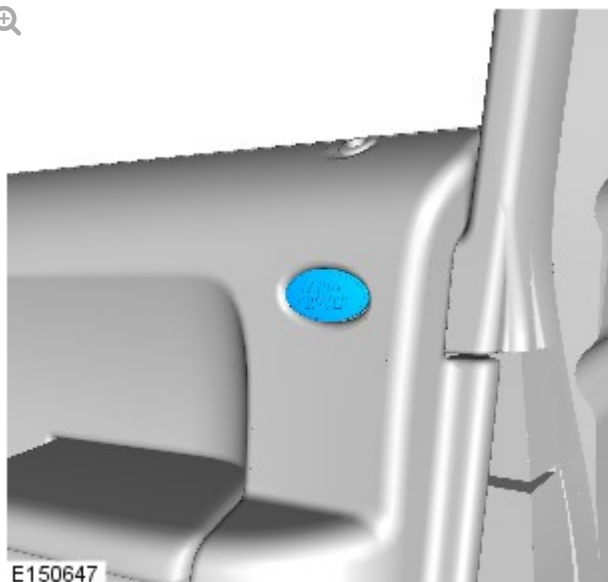
REMOVAL AND INSTALLATION

76.34.04	TRIM PANEL - REAR DOOR - RENEW	ALL DERIVATIVES	0.4	USED WITHINS	+
----------	--	--------------------	-----	-----------------	---

REMOVAL

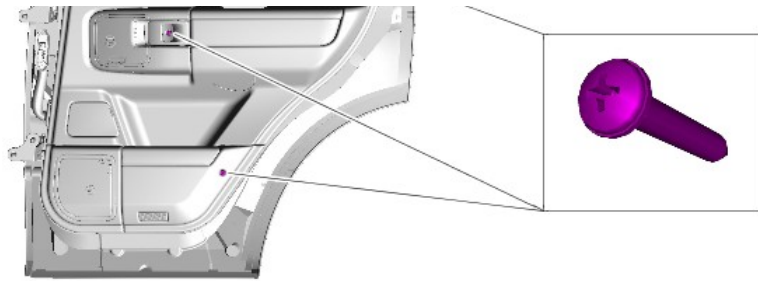
1. Disconnect the battery ground cable.
For additional information, refer to: [Specifications - Armoured](#) (414-00 Battery and Charging System - General Information, Specifications).
-

2. 



3. 



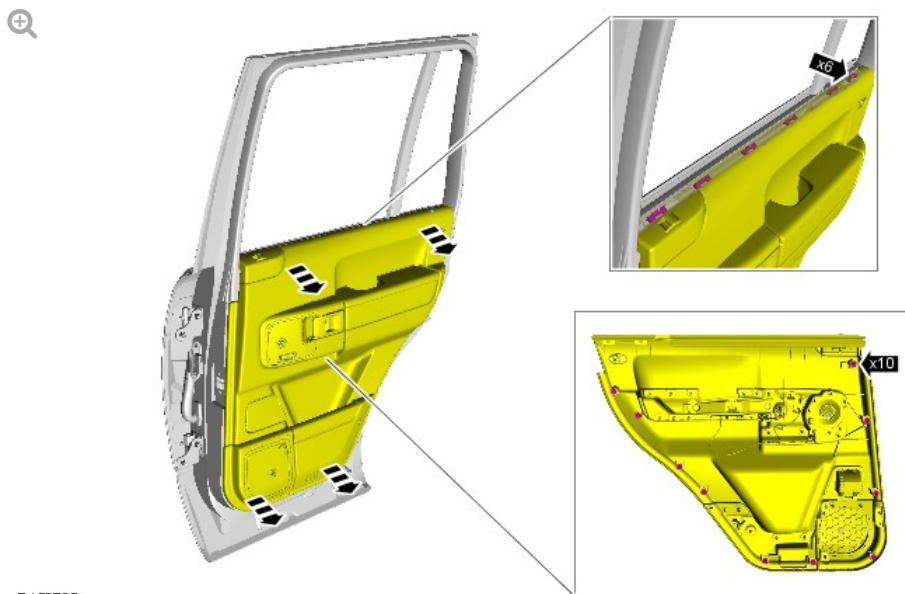


E150788

4.

CAUTION:

Carefully release the door trim panel retaining clips.

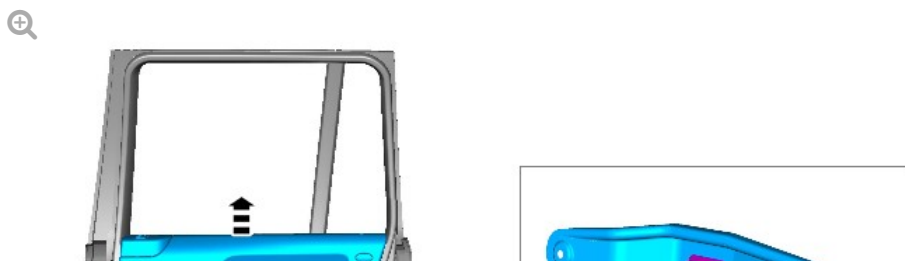


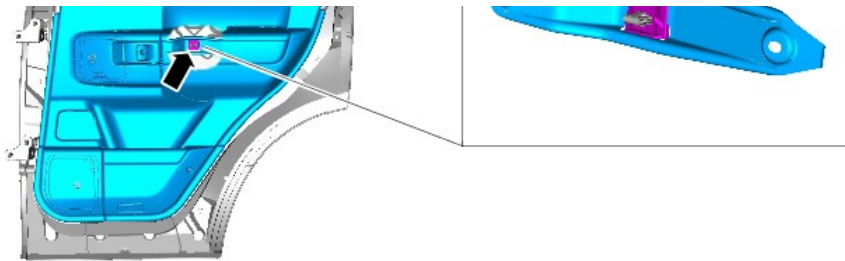
E150785

5.

CAUTION:

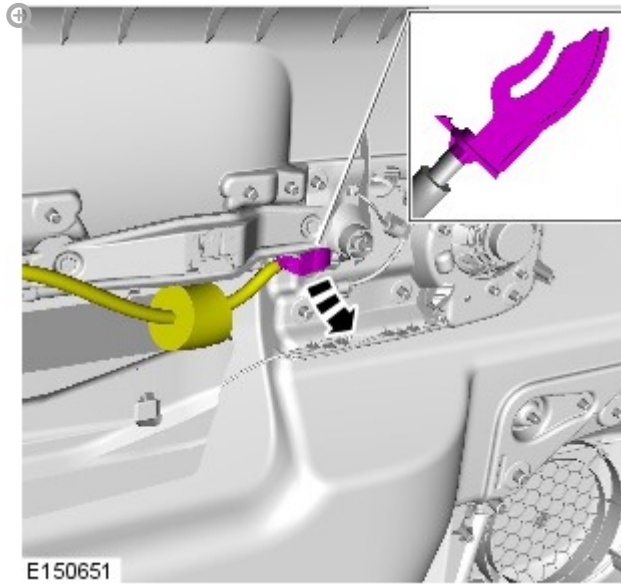
Make sure that the top of the door trim panel is clear of the weather strip.





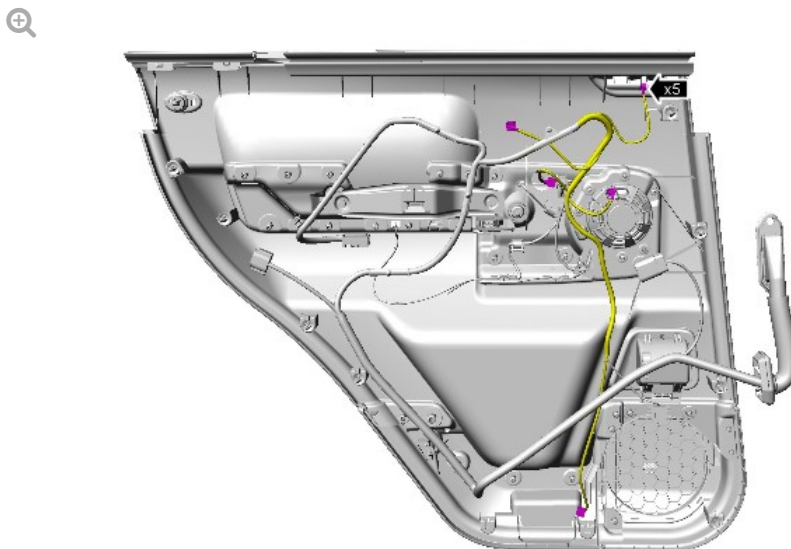
E150786

6.



E150651

7.



E150791

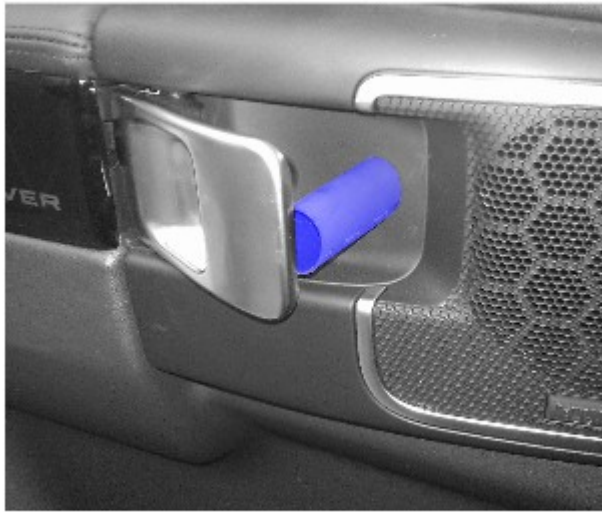
8.

NOTE:



Do not disassemble further if component is removed for access only.

9.

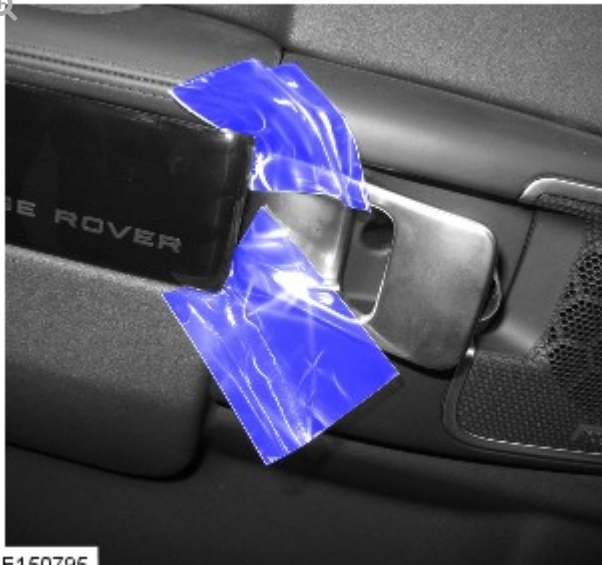


E150794

10.

NOTE:

Using two suitable pieces of laminated plastic, slide under the veneer at the areas illustrated, to aid removal of the component

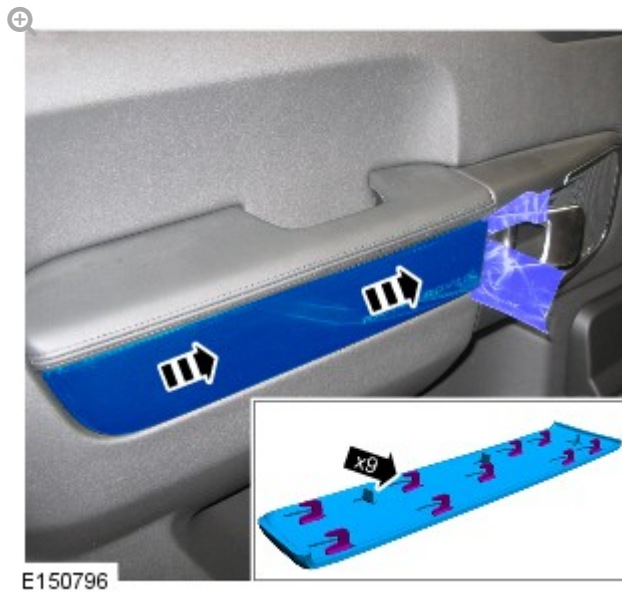


E150795

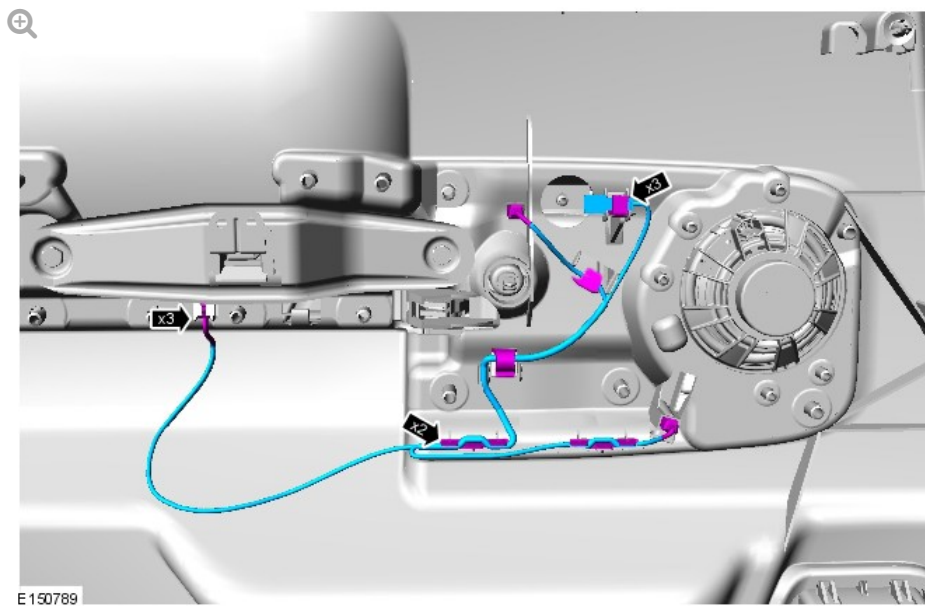
11.

CAUTIONS:

- Do not use tools during this operation, removal of the component must be carried out by hand.
- Do not use excessive force to release the component.

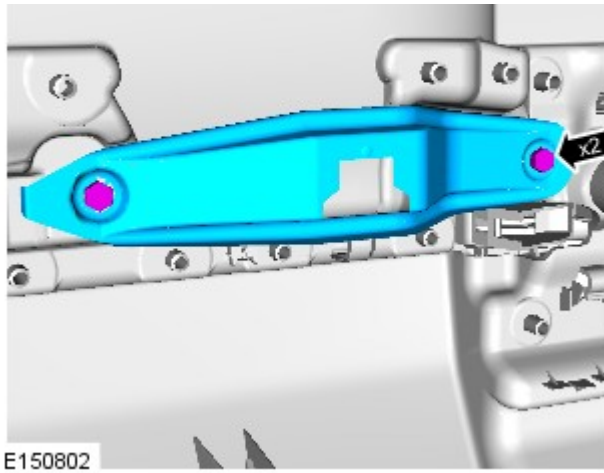


12.

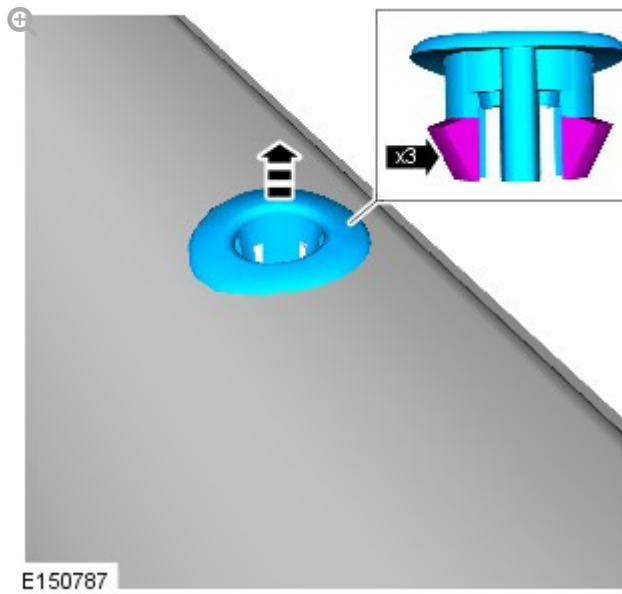


13.





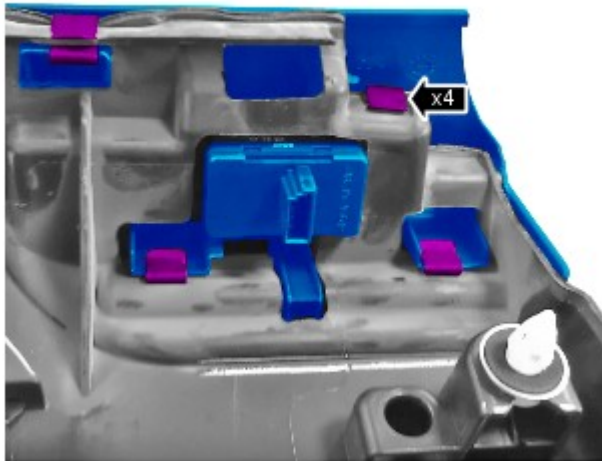
14.



15.

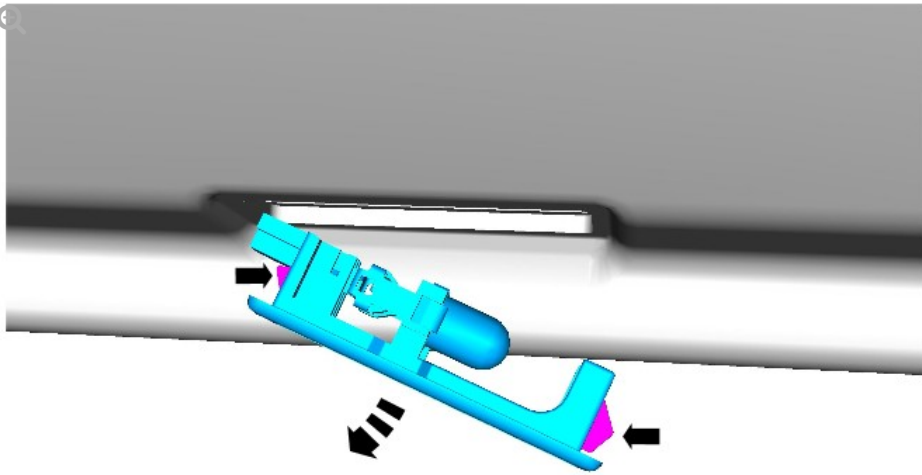


16.



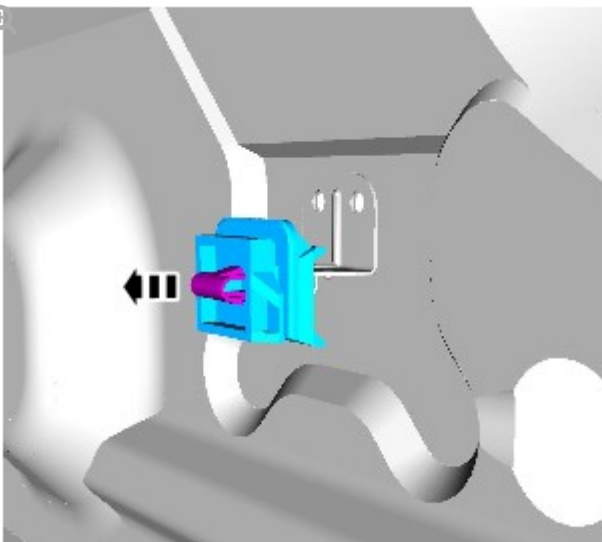
E150694

17.



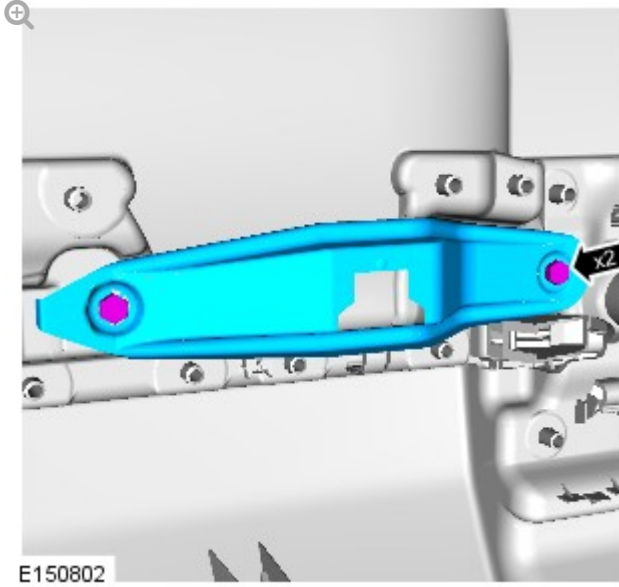
E150661

18.

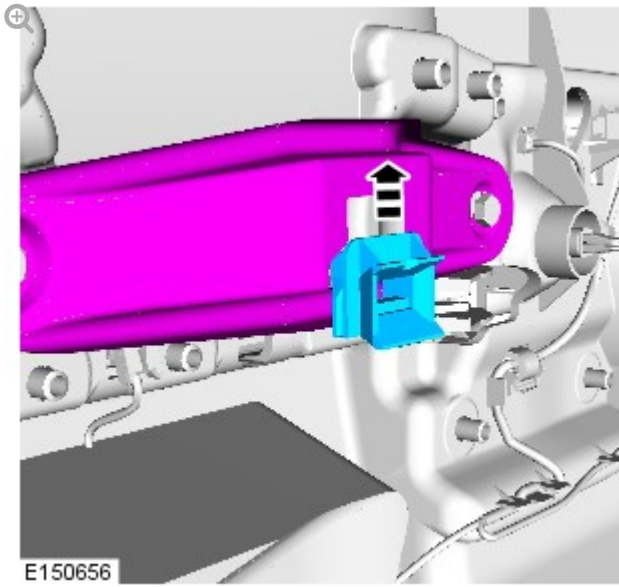


INSTALLATION

1.

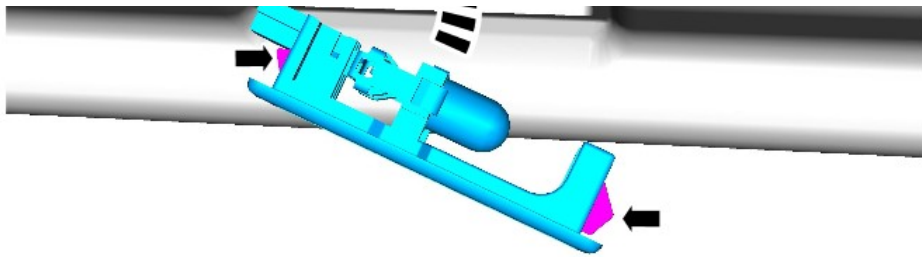


2.



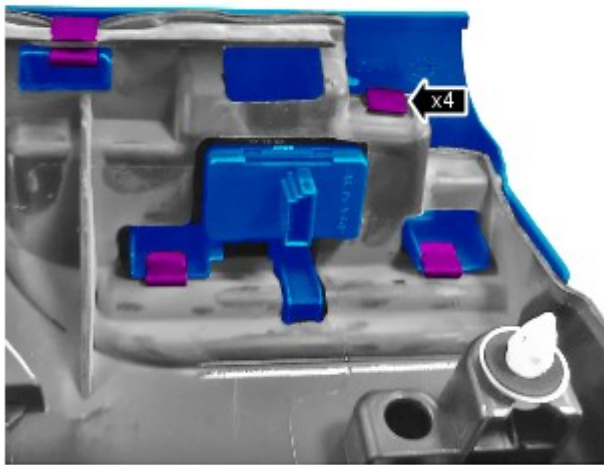
3.





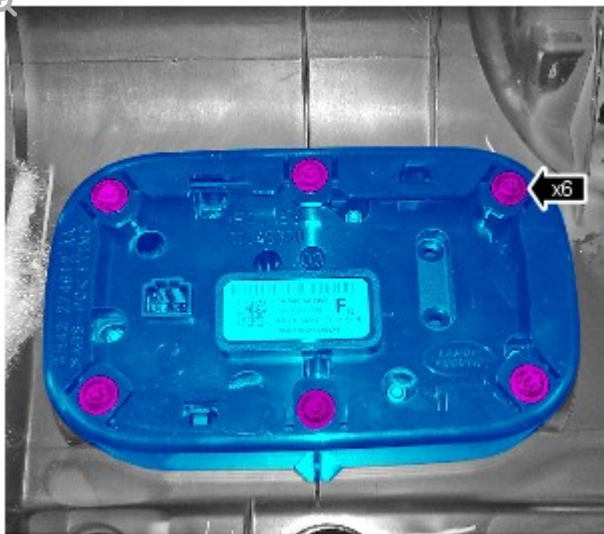
E150662

4. 



E150694

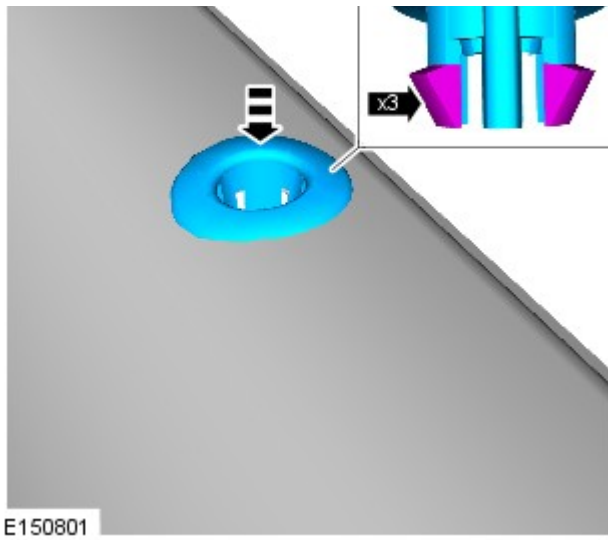
5. 



E150693

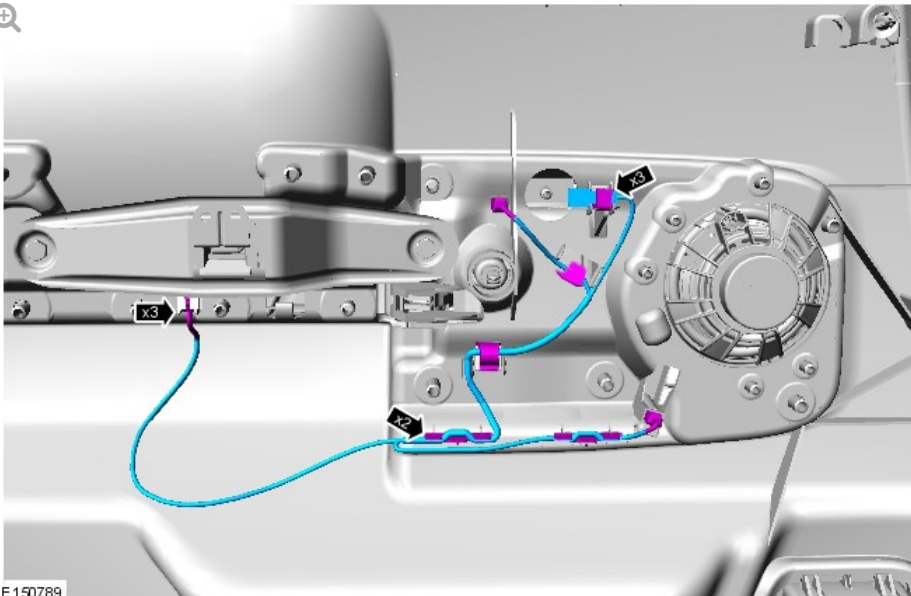
6. 





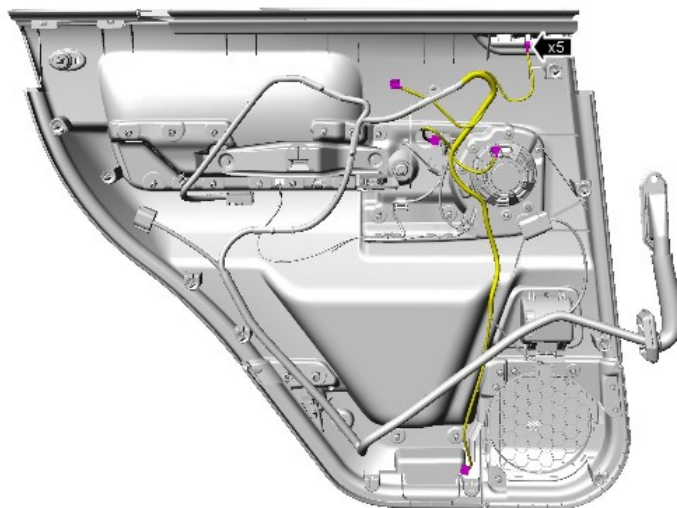
E150801

7.



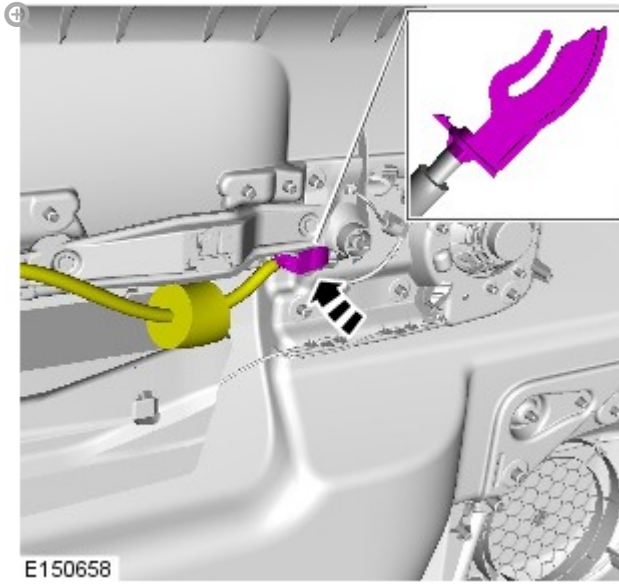
E150789

8.

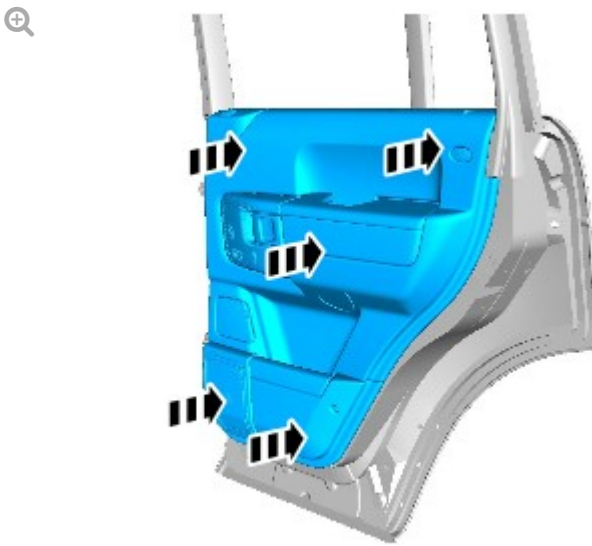


E150791

9.



10.



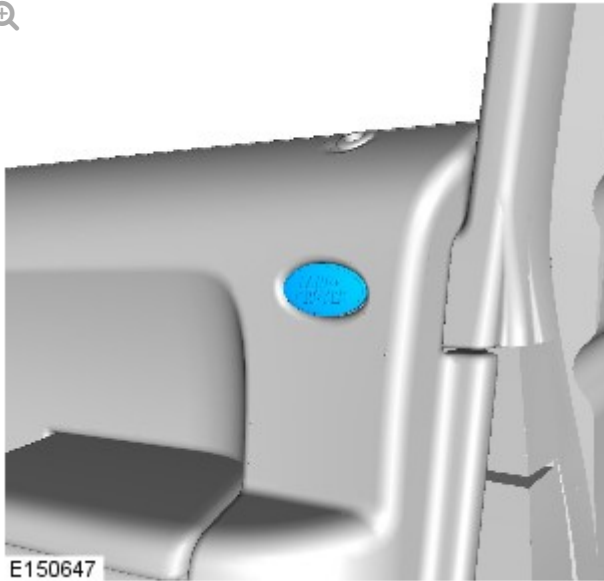
11.





E150788

12.



E150647

13.



E150794

14.

CAUTION:

Do not use excessive force to install the component.





E150828

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

REAR DOOR TRIM PANEL FINISH PANEL - ULTIMATE

[G1395259]

REMOVAL AND INSTALLATION

REMOVAL

NOTE:

Removal steps in this procedure may contain installation details.

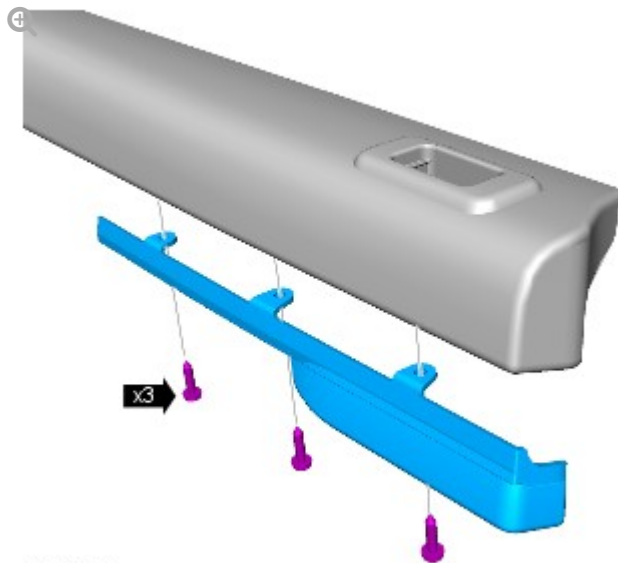
1. Refer to: Rear Door Trim Panel (501-05, Removal and Installation).

2.



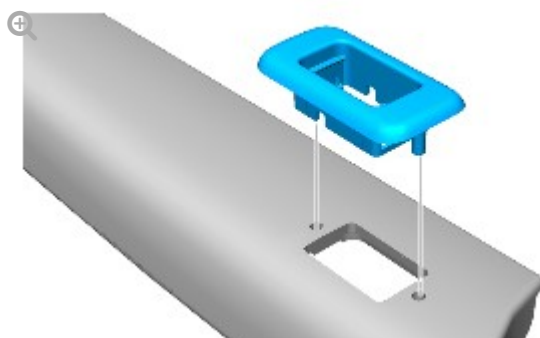
E 136032

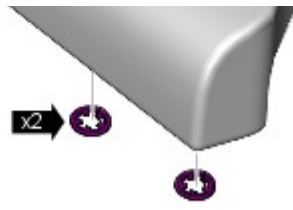
3.



E 136033

4.





E136034

INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

REAR SCUFF PLATE TRIM PANEL (G928188)

REMOVAL AND INSTALLATION

76.49.18	RETAINER - CARPET - REAR - EACH - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
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REMOVAL

1. Remove the rear scuff plate trim panel.
 - Using a suitable tool, carefully release the 4 clips.
-

2. **NOTE:**

Do not disassemble further if the component is removed for access only.

Remove the 2 clips from the rear scuff plate trim panel.

INSTALLATION

-
1. Install the 2 clips to the rear scuff plate trim panel.
-
2. Install the rear scuff plate trim panel.
 - Secure the 4 clips.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

REAR QUARTER TRIM PANEL

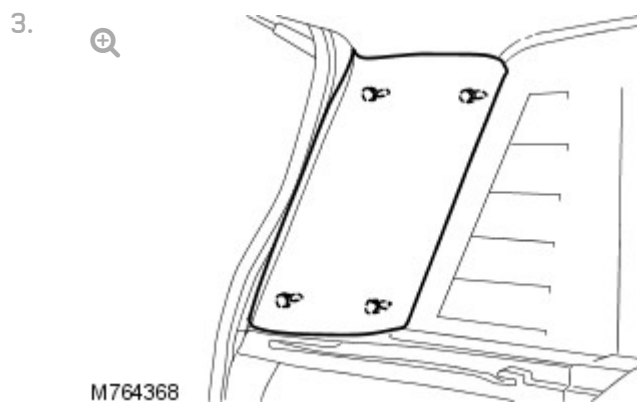
[G914817]

REMOVAL AND INSTALLATION

76.13.12	TRIM PANEL - REAR QUARTER - LOWER - RENEW	ALL DERIVATIVES	0.3	USED WITHINS	+
----------	--	--------------------	-----	-----------------	---

REMOVAL

1. Open the liftgate.
 2. Release the liftgate aperture seal.
-

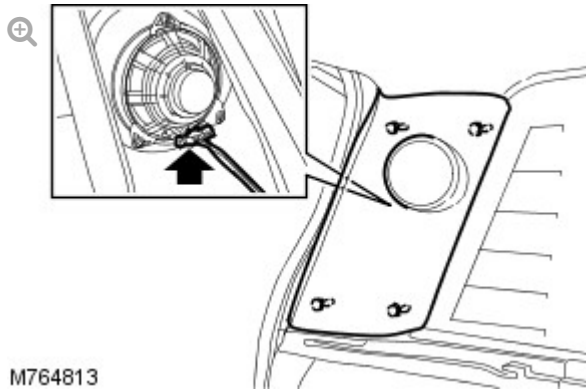


Release the rear quarter trim panel.

- Carefully release the 4 clips.
-

4. **NOTE:**

Do not disassemble further if the component is removed for access only.



M764813

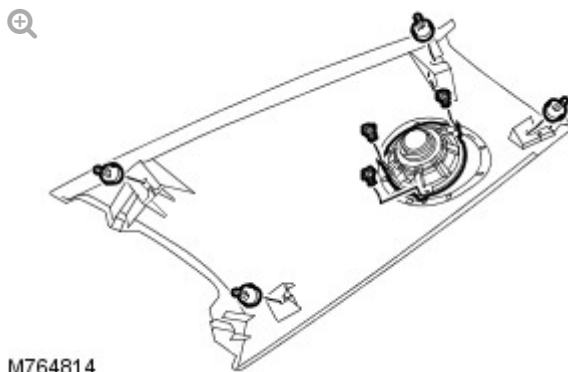
Remove the rear quarter trim panel.

- Disconnect the electrical connector.

5. Remove the quarter panel speaker from the rear quarter trim panel.

- Remove the 3 screws.

6.



M764814

Remove the 4 clips from the rear quarter trim panel.

INSTALLATION

1. Install the 4 new clips to the rear quarter trim panel.

2. Install the rear quarter panel speaker to the rear quarter panel.

- Install the 3 screws.

3. Install the rear quarter trim panel.

- Connect the electrical connector.

4. Secure the rear quarter trim panel.

- Secure the 4 clips.

5. Secure the liftgate aperture seal.

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

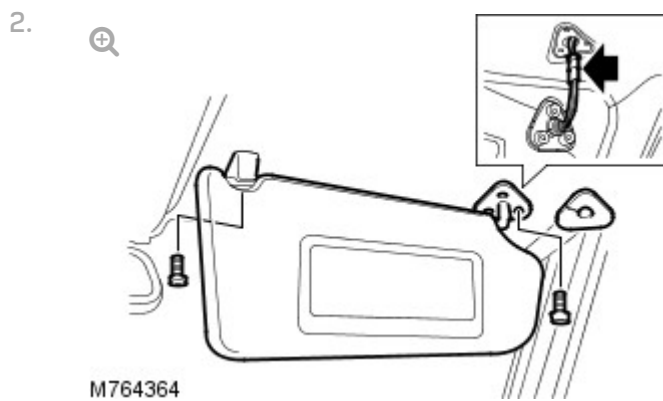
SUN VISOR (G914818)

REMOVAL AND INSTALLATION

76.10.47	SUN VISOR - EACH - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
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REMOVAL

-
1. Release the sun visor from the sun visor clip.



Remove the sun visor mounting trim panel.

- Carefully release the sun visor mounting trim panel.

-
3. Remove the sun visor.
 - Remove the 3 screws.
 - Disconnect the electrical connector.

-
4. Remove the sun visor clip from the headliner.
 - Remove the screw.

INSTALLATION

-
1. Install the sun visor clip to the headliner.
 - Install the screw.

 2. Install the sun visor.
 - Connect the electrical connector.
 - Install the 3 screws.

 3. Install the sun visor mounting trim panel.
 - Secure the sun visor mounting trim panel.

 4. Secure the sun visor to the sun visor clip.

2012.0 RANGE ROVER (LM), 501-05

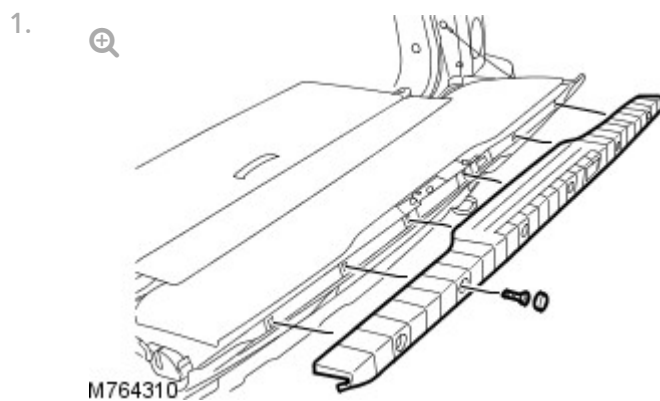
INTERIOR TRIM AND ORNAMENTATION

TAILGATE TRIM PANEL (G913863)

REMOVAL AND INSTALLATION

76.49.23	CARPET - TAILGATE - RENEW	ALL DERIVATIVES	0.3	USED WITHINS	+
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REMOVAL



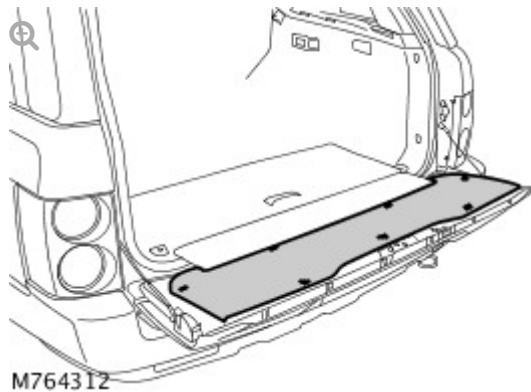
Remove the tailgate upper trim panel.

- Remove the 6 screw covers.
- Remove the 6 screws.

2.

NOTE:

Do not disassemble further if the component is removed for access only.



Remove the tailgate trim panel.

- Carefully release the 7 clips.

3. Remove the 7 clips from the tailgate finisher.

4. Remove the acoustic pad.

- Remove the 7 clips.

INSTALLATION

1. Install the acoustic pad and secure with the clips.

2. Install the tailgate trim panel.

- Install the clips.

3. Install the tailgate upper trim panel.

- Install the screw covers.
- Install the screws.

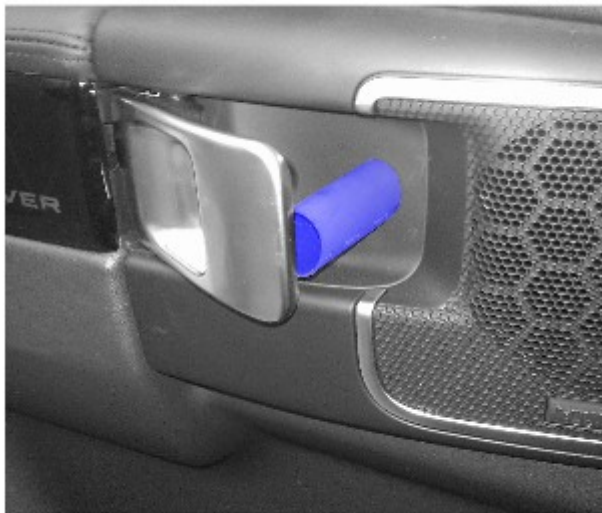
FRONT DOOR TRIM VENEER

[G1569071]

REMOVAL AND INSTALLATION

REMOVAL

1.



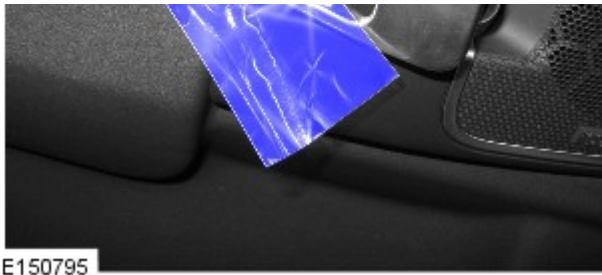
E150794

2.

NOTE:

Using two suitable pieces of laminated plastic, slide under the veneer at the areas illustrated, to aid removal of the component



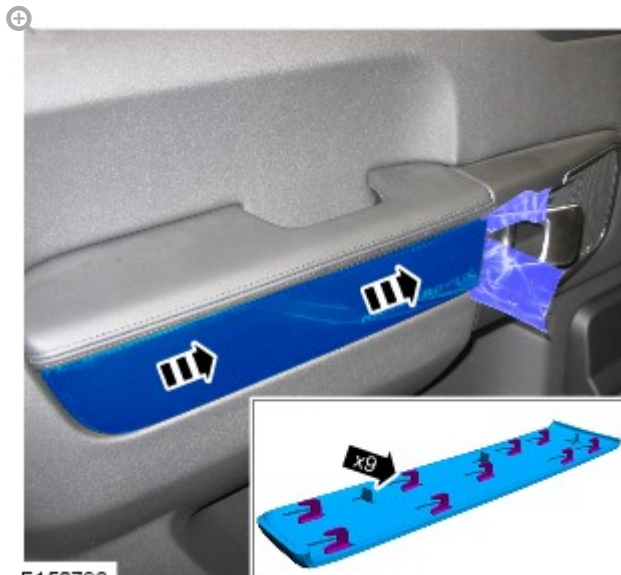


E150795

3.

CAUTIONS:

- Do not use tools during this operation, removal of the component must be carried out by hand.
- Do not use excessive force to release the component.



E150796

INSTALLATION

1.

CAUTION:

Do not use excessive force to install the component.





E150828

2012.0 RANGE ROVER (LM), 501-05

INTERIOR TRIM AND ORNAMENTATION

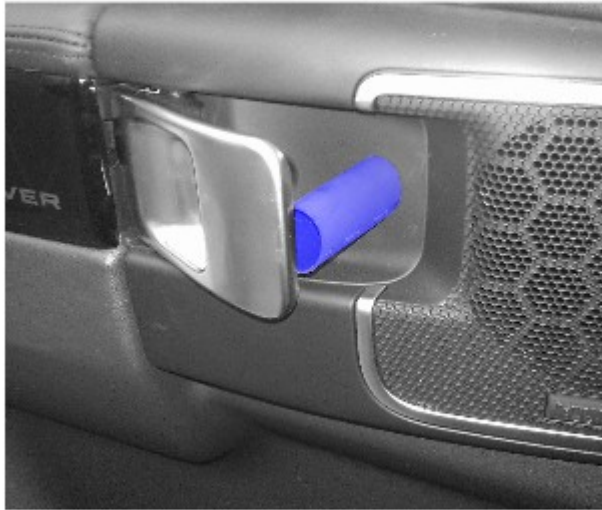
REAR DOOR TRIM VENEER

[G1569072]

REMOVAL AND INSTALLATION

REMOVAL

1. 



E150794

2.

NOTE:

Using two suitable pieces of laminated plastic, slide under the veneer at the areas illustrated, to aid removal of the component



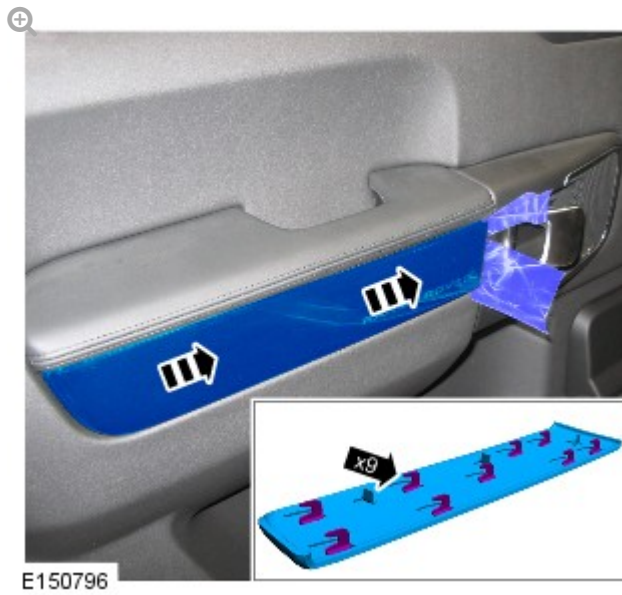
E150795

3.

CAUTIONS:

- Do not use tools during this operation, removal of the component must be carried out by hand.

- Do not use excessive force to release the component.



E150796

INSTALLATION

1. **CAUTION:**

Do not use excessive force to install the component.



E150828

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

DIAGNOSIS AND TESTING

PRINCIPLES OF OPERATION

For a detailed description of the retractable running board system and operation, refer to the relevant Description and Operation section of the workshop manual. REFER to: (501-08 Exterior Trim and Ornamentation)

Exterior Trim (Description and Operation),

Exterior Trim (Description and Operation),

Exterior Trim (Description and Operation).

INSPECTION AND VERIFICATION

NOTE:

Diagnosis by substitution from a donor vehicle is NOT acceptable. Substitution of control modules does not guarantee confirmation of a fault, and may also cause additional faults in the vehicle being tested

...may also cause additional issues in the vehicle being tested and/or the donor vehicle.

1. Verify the customer concern.

1. Visually inspect for obvious signs of mechanical or electrical damage.

Visual Inspection

ELECTRICAL

- Battery condition, state of charge
- Fuses
- Harnesses and connectors
- Sensor(s)
- Warning lamp bulb(s)

1. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.

1. If the cause is not visually evident, check for Diagnostic Trouble Codes (DTCs) and refer to the DTC Index.

DTC INDEX

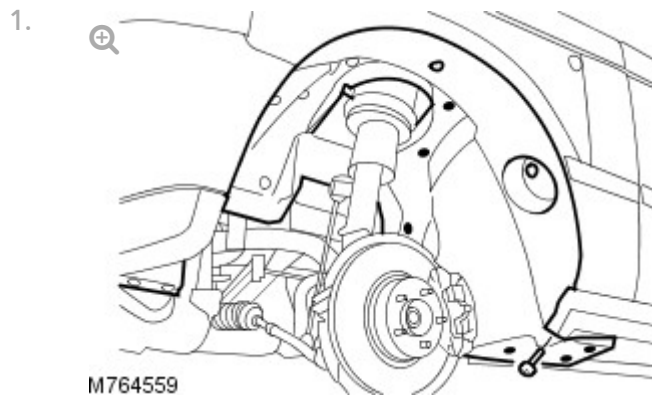
For a list of Diagnostic Trouble Codes (DTCs) that could be logged on this vehicle, please refer to Section 100-00. REFER to: Diagnostic Trouble Code (DTC) Index - DTC: Module Name: Retractable Running Board Module (100-00, Description and Operation).

FRONT FENDER MOULDING

[G913585]

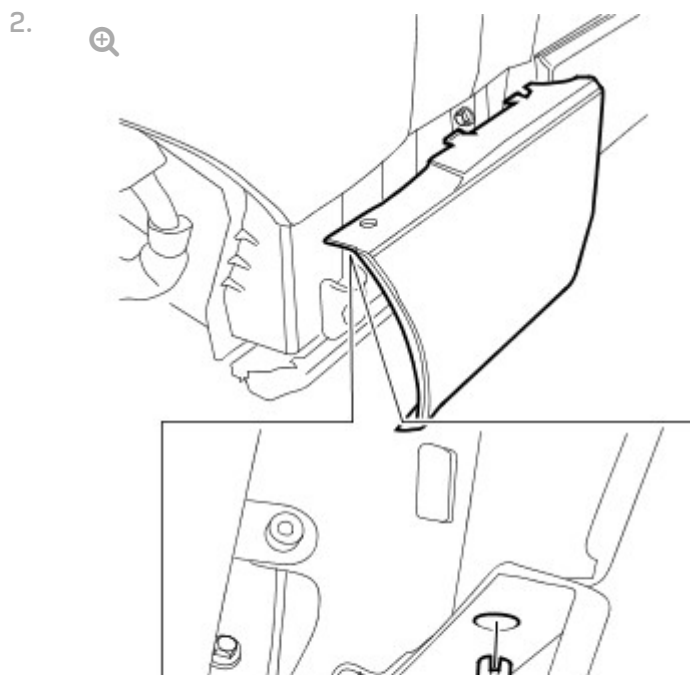
REMOVAL AND INSTALLATION

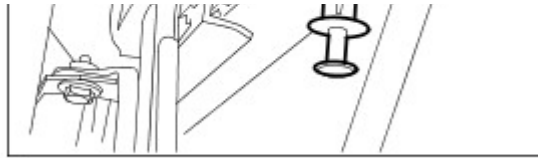
REMOVAL



Release the rear lower edge of the fender splash shield for access.

- Remove the 9 screws.





M764560

Remove the clip from the front of the fender moulding.

-
3. Remove the fender moulding.
 - Carefully release the 4 clips.

-
4. **NOTE:**

Do not disassemble further if the component is removed for access only.

Remove the rocker panel seal from the fender moulding.

-
5. Remove the 2 clips from the fender moulding.

INSTALLATION

-
1. Install the clips to the fender moulding.

 2. Install the rocker panel seal to the fender moulding.

 3. Install the fender moulding.

 4. Install the clip to the front of the fender moulding.

 5. Secure the fender splash shield.

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

FRONT FENDER TRIM PANEL

[G928273]

REMOVAL AND INSTALLATION

PANEL -
EXTENSION

ALL

USED

-

REMOVAL

-
1. Remove the fender moulding.
For additional information, refer to: Front Fender Moulding (501-08, Removal and Installation).
 2. Remove the front fender trim panel.
 - Remove the 2 bolts.
-

INSTALLATION

-
1. Install the front fender trim panel to the fender.
 - Tighten the bolts to 3 Nm (2.2 lb.ft).
 2. Install the fender moulding.
For additional information, refer to: Front Fender Moulding (501-08, Removal and Installation).

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

FRONT DOOR LOWER MOULDING (G914233)

REMOVAL AND INSTALLATION

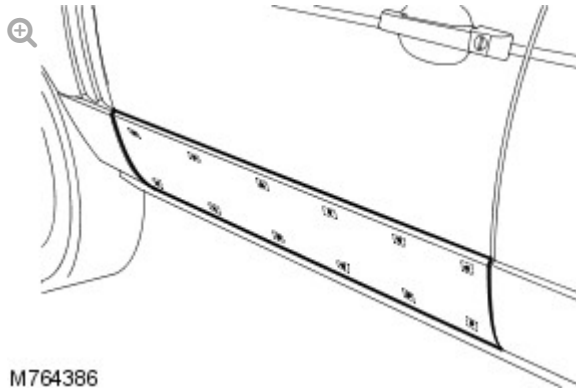
76.42.05	DOOR MOULDING - LOWER FRONT - RENEW	ALL DERIVATIVES	0.3	USED WITHINS	+
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REMOVAL

1.

NOTE:

Do not disassemble further if the component is removed for access only.



M764386

Remove the front door lower moulding.

- Carefully release the 12 clips securing the door lower moulding.

2. Remove the clips from the door lower moulding.

3. Remove the seal from the lower door moulding.

INSTALLATION

1. Install the seal to the lower door moulding.

2. Install the clips to the lower door moulding.

3. Install the door lower moulding to vehicle.

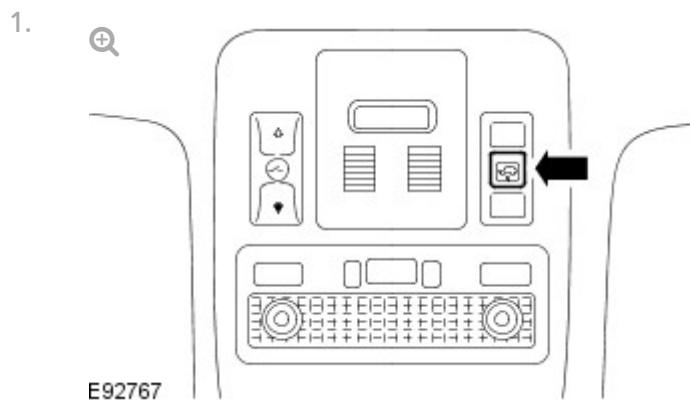
2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

POWER SIDE STEP (G970796)

REMOVAL AND INSTALLATION

REMOVAL



De-activate the power side step.

- Turn the ignition key to position II.
- Press and hold the button for 5 seconds.

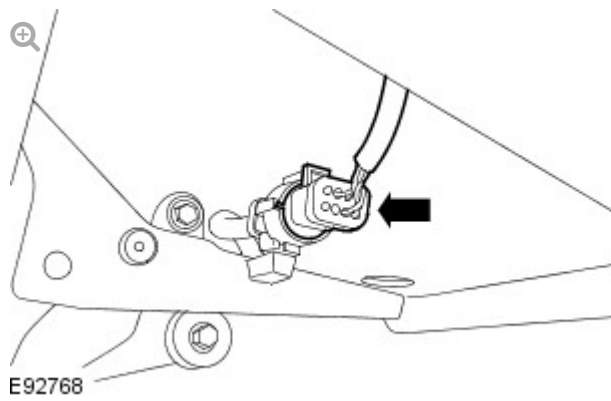
2. Disconnect the battery ground cable.
For additional information, refer to: Specifications (414-00, Specifications).

3. **WARNING:**

Do not work on or under a vehicle supported only by a jack.
Always support the vehicle on safety stands.

Raise and support the vehicle.

4.

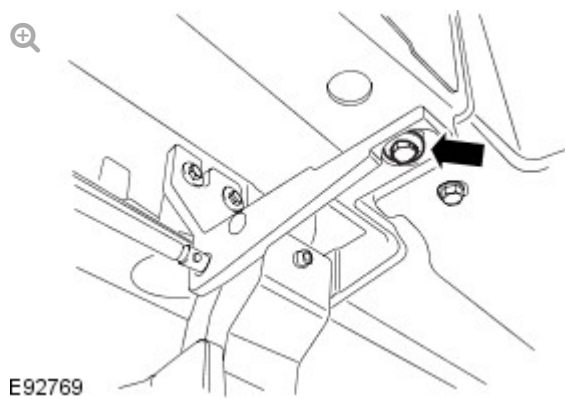


Disconnect the power side step electrical connector.

5.

NOTE:

RH illustration shown, LH is similar.



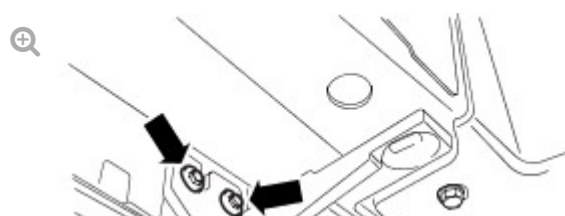
Release the power side step.

- Remove the 2 bolts.

6.

NOTE:

RH illustration shown, LH is similar.



E92770



With assistance, remove the power side step.

- Undo but do not remove the 4 bolts.

INSTALLATION

1. With assistance, install the power side step.
2. Secure the power side step.
 - Tighten the 2 bolts to 22 Nm (16 lb.ft).
3. Fully tighten the 4 power side step bolts.
 - Tighten the 4 bolts to 9 Nm (7 lb.ft).
4. Connect the power side step electrical connector.
5. Lower the vehicle on the lift.
6. Connect the battery ground cable.

For additional information, refer to: Specifications (414-00, Specifications).
7. Activate the power side step.
 - Turn the ignition key to position II.
 - Press and hold the button for 5 seconds.

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

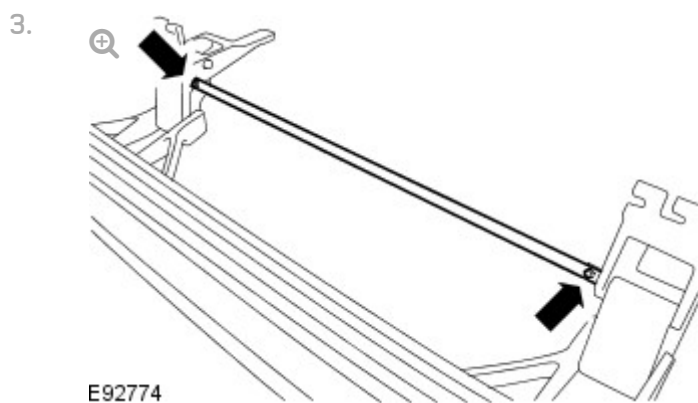
POWER SIDE STEP HINGE

[G970798]

REMOVAL AND INSTALLATION

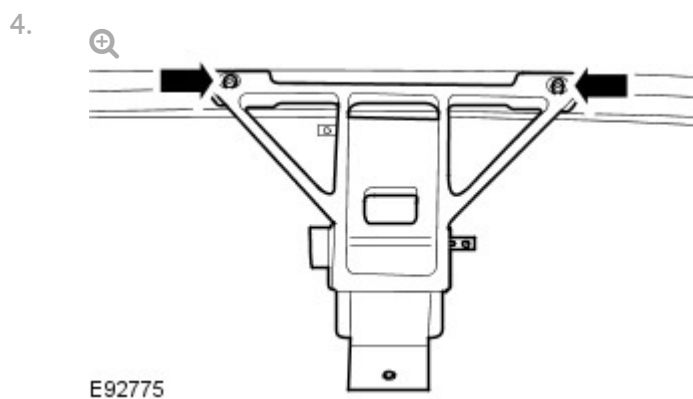
REMOVAL

1. Disconnect the battery ground cable.
For additional information, refer to: Specifications (414-00, Specifications).
2. Remove the power side step motor.
For additional information, refer to: Power Side Step Motor (501-08, Removal and Installation).



Remove the power side step tie rod.

- Remove the 2 bolts.
- Collect the 2 spacers.



Remove the power side step hinge.

- Remove the 2 bolts.

INSTALLATION

1. Install the power side step hinge.

- Tighten the 2 bolts to 9 Nm (7 lb.ft).

2. Install the power side step tie rod.

- Install the 2 spacers.
- Install but do not fully tighten the 2 bolts.

3. Install the power side step motor.

For additional information, refer to: Power Side Step Motor (501-08, Removal and Installation).

4. Tighten the power side step tie rod bolts to 6 Nm (4 lb.ft).

5. Connect the battery ground cable.

For additional information, refer to: Specifications (414-00, Specifications).

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

POWER SIDE STEP MOTOR

[G970797]

REMOVAL AND INSTALLATION

REMOVAL

CAUTION:

Make sure that the area around the component is clean and free of foreign material.

-
1. Disconnect the battery ground cable.
For additional information, refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

2.

WARNING:

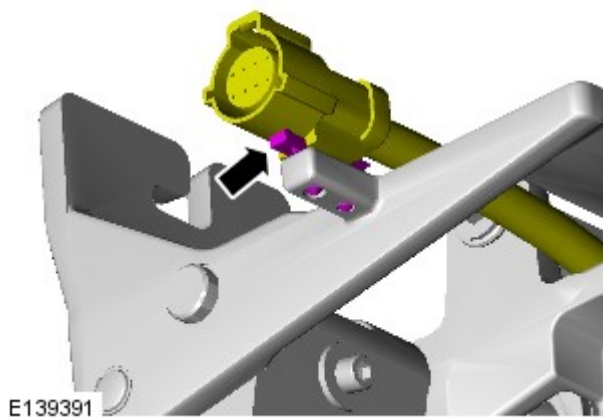
Make sure to support the vehicle with axle stands.

Raise and support the vehicle.

3. Remove the power side step.

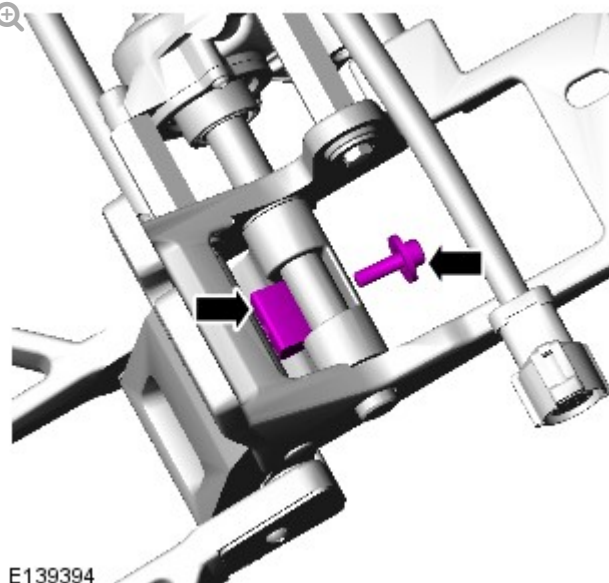
For additional information, refer to: [Power Side Step](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

4.



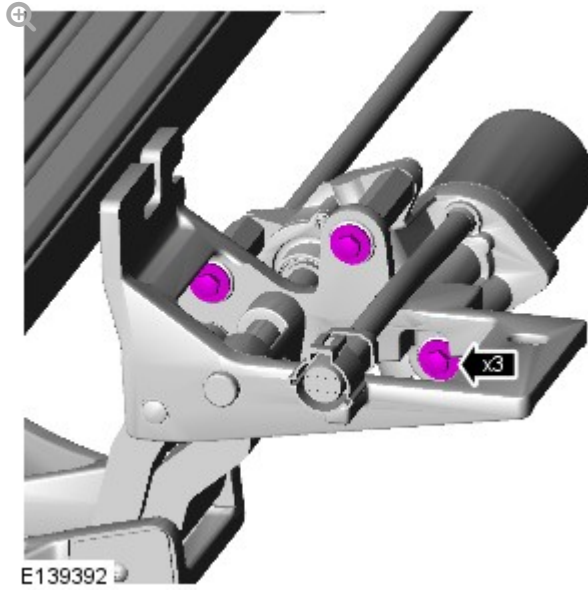
Release the electrical connector.

5.



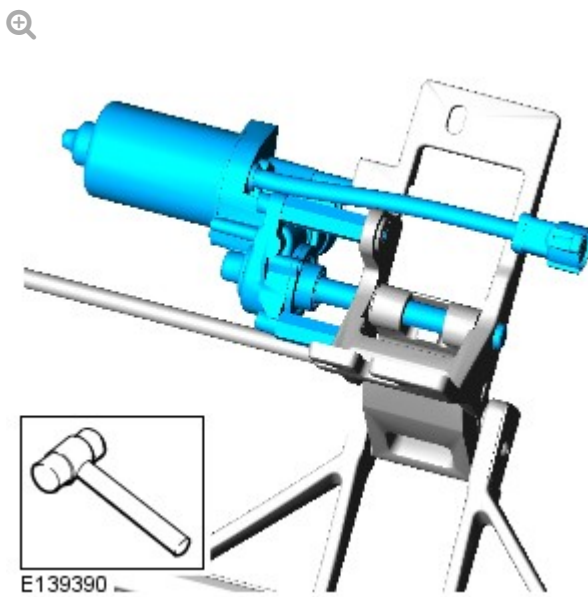
Remove the bolt and the wedge key.

6.



Remove the 3 bolts.

7.

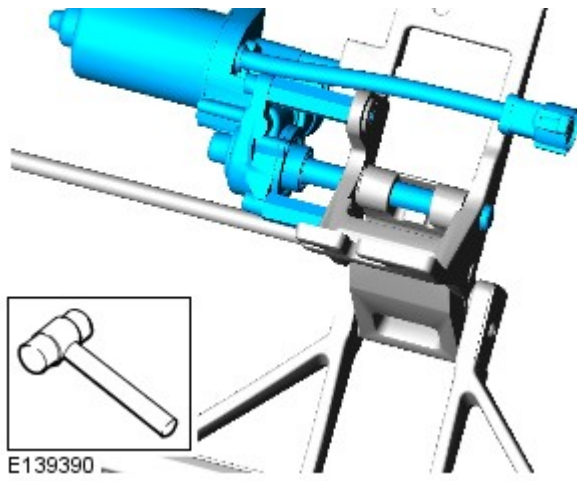


Remove the power side step motor.

INSTALLATION

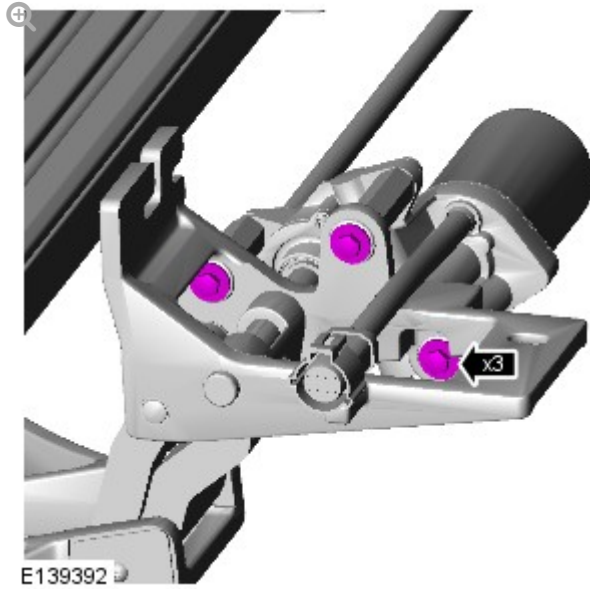
1.





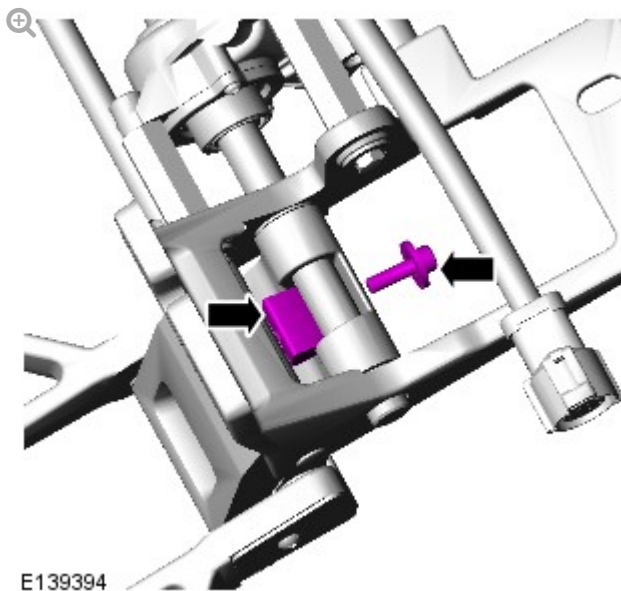
Install the power side step motor.

2.



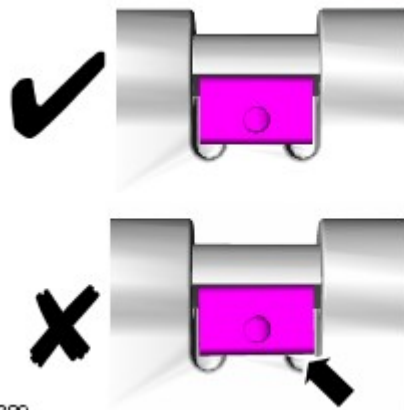
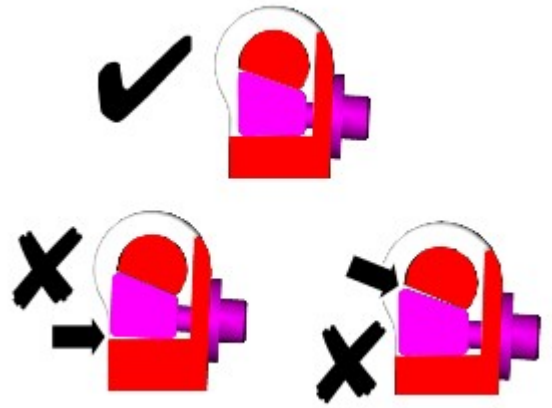
TORQUE: 9 Nm

3.



Install the bolt and the wedge key.

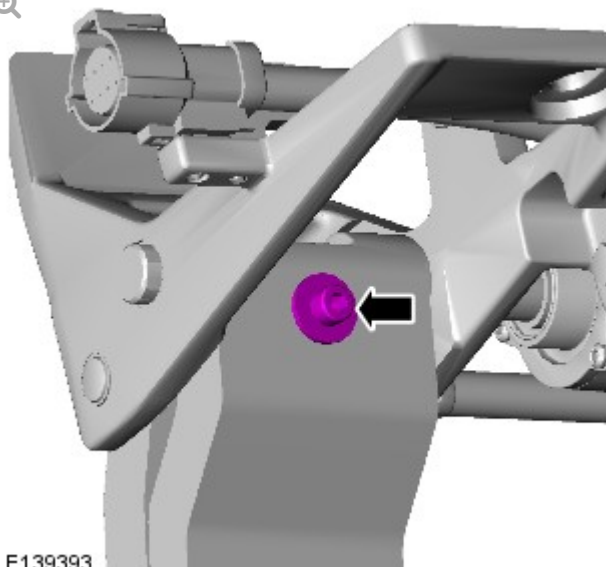
4.



E139389

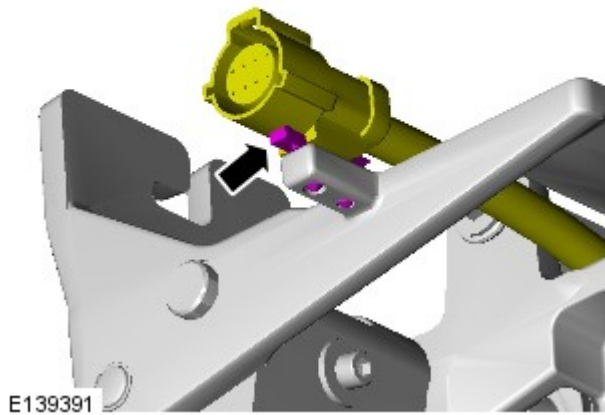
Align the wedge key.

5.



E139393

TORQUE: 10 Nm



Attach the electrical connector.

-
7. Install the power side step.

For additional information, refer to: [Power Side Step](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

-
8. Connect the battery ground cable.

For additional information, refer to: [Specifications](#) (414-01 Battery, Mounting and Cables, Specifications).

2012.0 RANGE ROVER (LM), 501-08

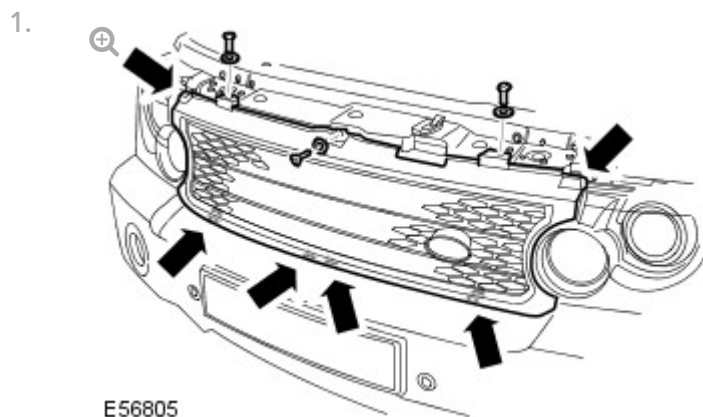
EXTERIOR TRIM AND ORNAMENTATION

RADIATOR GRILLE (G452318)

REMOVAL AND INSTALLATION

76.55.03	GRILLE - FRONT - RENEW	ALL DERIVATIVES	0.1	USED WITHINS	+
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REMOVAL



Remove the radiator grille.

- Open the hood.
- Remove the 3 Torx screws.
- Release from the 6 clips.

INSTALLATION

1. To install, reverse the removal procedure.

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

REAR DOOR LOWER MOULDING (G914427)

REMOVAL AND INSTALLATION

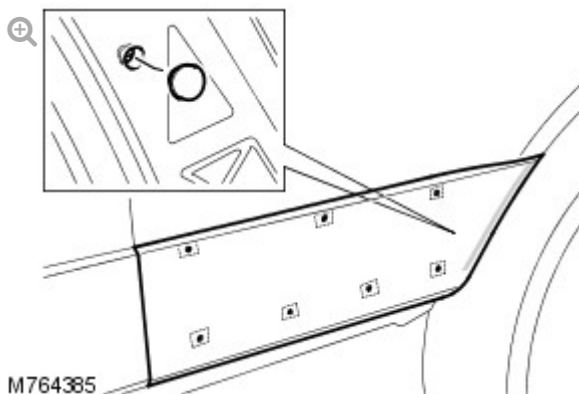
76.42.06	DOOR MOULDING - LOWER REAR - RENEW	ALL DERIVATIVES	0.3	USED WITHINS	+
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REMOVAL

1.

CAUTION:

Always protect paintwork and glass when removing exterior components.



Remove the rear door lower moulding.

- Remove the grommet and screw.
- Release the 7 clips.
- Remove the adhesive tape.

2.

NOTE:

Do not disassemble further if the component is removed for access only.

Remove the clips from the rear door lower moulding.

- Remove the seal from the rear door lower moulding

- Remove the seal from the rear door lower moulding.

INSTALLATION

1. Install the clips to the rear door lower moulding.
 - Install the seal to the rear door lower moulding.
2. Install the rear door lower moulding.
 - Apply adhesive tape to the rear door lower moulding.
 - Tighten the screw.
 - Install the grommet.

2012.0 RANGE ROVER (LM), 501-08

EXTERIOR TRIM AND ORNAMENTATION

REAR FENDER SPLASH SHIELD (G928162)

REMOVAL AND INSTALLATION

76.10.49	LINER - REAR WHEEL ARCH - SINGLE - RENEW	ALL DERIVATIVES	0.4	USED WITHINS	+
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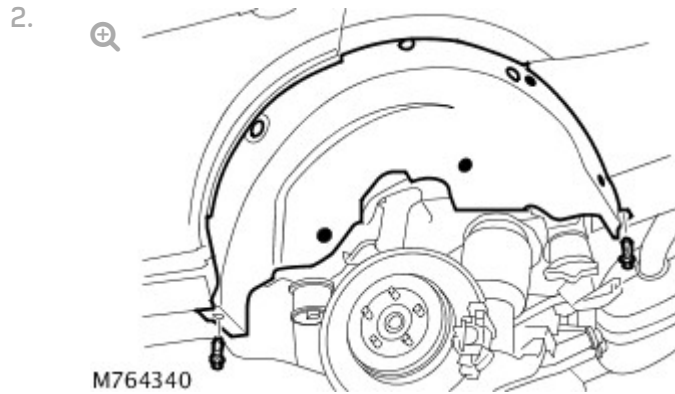
REMOVAL

1.

WARNING:

Do not work on or under a vehicle supported only by a jack.
Always support the vehicle on safety stands.

Raise the rear of the vehicle.



Remove the road wheel.

3. Remove the 2 clips securing the rear fender splash shield to the rocker panel and rear bumper.

4. Remove the 3 plastic nuts securing the rear fender splash shield.

5. Remove the 4 screws securing the rear fender splash shield.

6. Remove the rear fender splash shield.

INSTALLATION

1. Install the rear fender splash shield.

- Install the plastic nuts.
- Install the screws.
- Install the clips.

2. Install the road wheel.

- Tighten the road wheel nuts to 140 Nm (103 lb.ft).

3. Lower the vehicle.

- Remove the stands.

