

Safety Belt System -

Torque Specifications

Description	Nm	lb-ft
Adjustable shoulder anchorage Torx bolts	25	18
Front safety belt buckle to seat Torx bolt	40	30
Front safety belt lower anchor Torx bolt*	40	30
Front safety belt retractor Torx bolt*	40	30
Front safety belt upper anchor Torx bolt*	40	30
Rear center safety belt buckle Torx bolt	55	41
Rear center safety belt lower anchor	55	41
Rear center safety belt retractor Torx bolt	35	26
Rear safety belt lower anchor	40	30
Rear safety belt upper anchor Torx bolt	40	30
Rear seatbelt retractor	40	30
Webbing guide	8	6

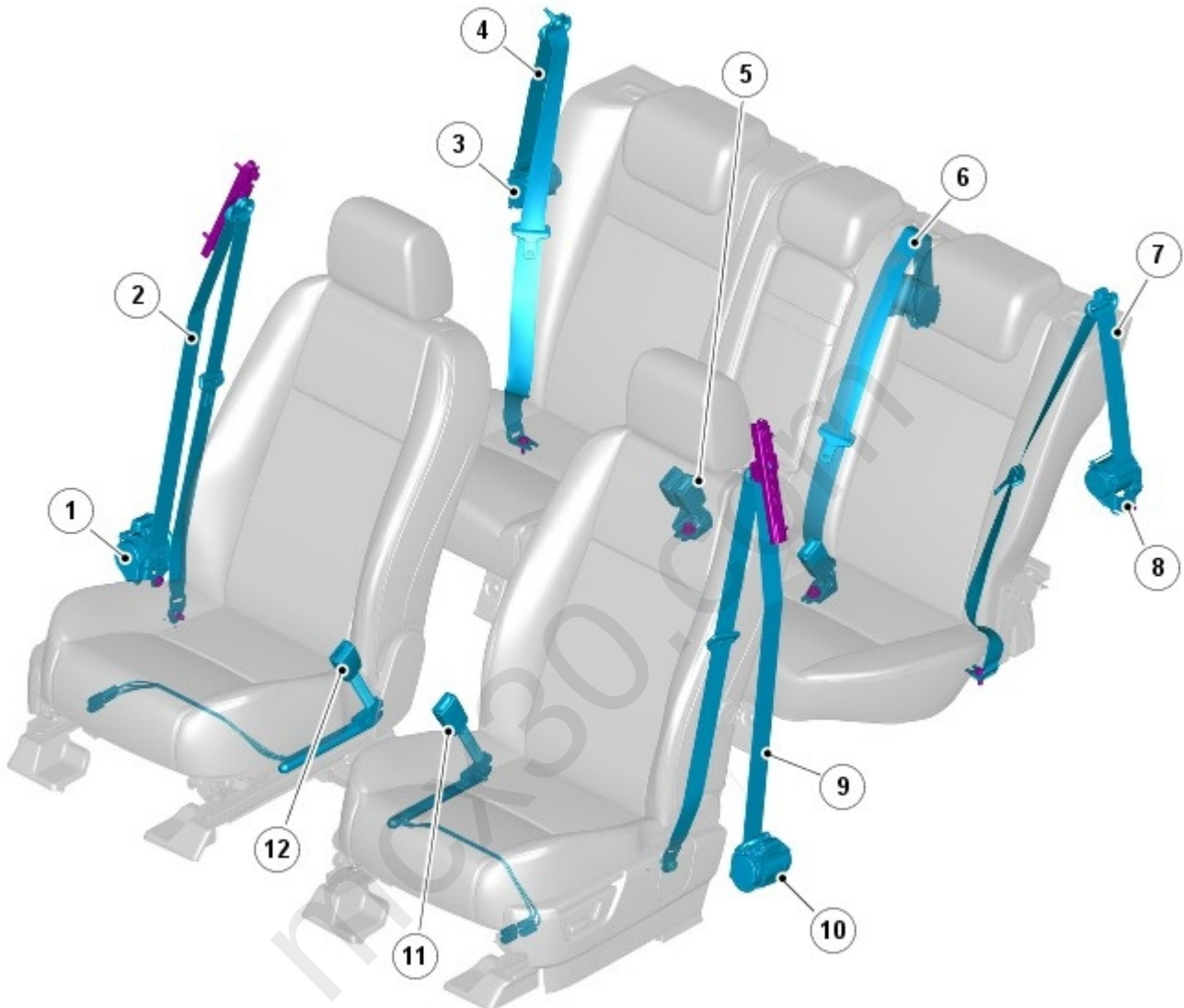
* New nuts/bolts must be fitted

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Safety Belt System - Safety Belt System

Description and Operation

COMPONENT LOCATION



E79395

Item	Part Number	Description
1	-	Front RH safety belt retractor
2	-	Front RH safety belt
3	-	Rear RH safety belt retractor
4	-	Rear RH safety belt
5	-	Rear safety belt buckles
6	-	Center safety belt and retractor
7	-	Rear LH safety belt
8	-	Rear LH safety belt retractor
9	-	Front LH safety belt
10	-	Front LH safety belt retractor
11	-	Front LH safety belt buckle
12	-	Front LH safety belt buckle

OVERVIEW

A 3 point safety belt is installed in all seating positions. Each seatbelt has emergency locking retractor functionality. The emergency locking retractor function incorporates a lift shaft locking system with webbing sensor and car sensing

activating mechanisms. The webbing sensor activates the locking mechanism if the webbing is subjected to a sharp pull. The car sensor activates the locking system if the vehicle is subjected to sudden deceleration or severe tilt angle.

All row 1 driver and passenger emergency locking retractor incorporate an electrically activated webbing tension reducer (comfort device). This device is activated when the vehicle enters ignition mode 6 and insertion of the seatbelt tongue into the buckle.

All row 2 passengers and NAS front Passenger emergency locking retractors are enhanced with automatic locking retractors.

The automatic locking retractor allows webbing to be extracted to activate a ratchet device. This device allows webbing to be cinched tight to facilitate child seat fitment. With seatbelt webbing tensioned in automatic locking retractor mode the seatbelt is always locked.

A safety belt warning indicator is installed in the instrument cluster to remind the front seat occupants to fasten their safety belts. On North American Specification (NAS) vehicles, when the ignition mode is accessory/convenience, the warning indicator illuminates if the safety belt of an occupied front seat is not fastened. The warning indicator remains illuminated until the safety belt of each occupied front seat is fastened, or the ignition mode is off. In all markets except NAS, a belt minder function provides a more intrusive reminder to fasten the front safety belts.

Belt Minder Function

The belt minder function provides warnings to the driver if the appropriate front safety belts are not fastened when driving. The belt minder function is controlled by the instrument cluster using:

- High speed CAN (controller area network) bus messages, from the RCM (restraints control module) , to monitor the status of the front safety belts.
- An input from the occupant detection system to monitor the status of the front passenger seat.

When the ignition is switched to on, the instrument cluster illuminates the safety belt warning indicator until one of the front safety belts is fastened or the belt minder function is triggered. The belt minder function is triggered when the ignition switch is in accessory/convenience and the following conditions coexist:

- The belt minder function is enabled
- The vehicle is not in reverse
- Vehicle speed is 8 km/h (5 mph) or more
- The driver safety belt or, if the front passenger seat is occupied, the front passenger safety belt, is unfastened.

When the belt minder is triggered, the instrument cluster generates the following warnings for 10 seconds.

- Flashes the safety belt warning indicator at 2 Hz
- Sounds a repeating chime in sequence with the flashing safety belt warning indicator.

After 10 seconds, the repeating chime is discontinued and the safety belt warning indicator changes from flashing to continuously illuminated for 20 seconds. While the trigger conditions still coexist, the warnings are repeated every 30 seconds until one of the following occurs:

- 5 minutes has elapsed from when the warnings were first triggered
- The safety belt of each occupied front seat is fastened
- The ignition mode is position 0
- The vehicle speed decreases to 5 km/h (3 mph).

For non NAS vehicles the belt minder function can be enabled and disabled using the driver safety belt switch. The instrument cluster changes the state of the belt minder function if, within 60 seconds of first entering ignition mode II, the driver safety belt is fastened and unfastened nine times. Successful completion of the change is indicated by a single chime and the safety belt warning indicator flashing five times, at 2 Hz. The belt minder function can also be enabled and disabled using the recommended Land Rover diagnostic tool.

Safety Belt Warning Indicator



E88662

SECOND ROW SAFETY BELTS

The retractor of each outboard second row safety belt is attached to the body immediately behind the D pillar. The webbing runs from the retractor, through an upper mounting on the D pillar, to an anchor point at the front of the related wheel arch.

The retractor for the center second row safety belt is installed in the top of the seat back. The webbing runs from the retractor, over the top of the seat, to an anchor point at the base of the seat frame.

The buckles for the second row safety belts are attached to the related seat frame.

Safety Belt System - Safety Belt System

Diagnosis and Testing

Principle of Operation

For a detailed description of the safety belt system and operation, refer to the relevant description and operation section of the workshop manual REFER to: [Safety Belt System](#) (501-20A Safety Belt System, Description and Operation).

Safety Information

• WARNINGS:



To avoid accidental deployment the back-up power supply must be depleted before beginning any work on the SRS system or its components. Failure to follow this instruction may result in personal injury



Do not use a multimeter to probe an SRS module. It is possible for the power from the multimeter battery to trigger the activation of the module. Failure to follow this instruction may result in personal injury

• NOTE: Do not to use a cellular phone or to have a cellular phone in close proximity when working on the SRS system or components

Power supply depletion

Before beginning any work on the SRS system or related components:

1. **1.** Remove the ignition key
2. **2.** Disconnect the battery leads, ground first
3. **3.** Wait 2 minutes for the power circuit to discharge

There are comprehensive instructions on the correct procedures for SRS system repairs, refer to the relevant section of the workshop manual

Inspection and Verification



CAUTION: 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 checked and/or the donor vehicle

• NOTE: Check and rectify basic faults before beginning diagnostic routines including pinpoint tests

1. **1.** Verify the customer concern by operating the safety belt
2. **2.** Visually inspect for obvious signs of mechanical or electrical damage

Visual Inspection

Mechanical	Electrical
• Check for the installation of non-standard accessories which may affect or obstruct the function of the safety belt system • Frayed or damaged webbing • Missing or damaged button stop • Pretensioner(s) Buckles/Stalks	• Fuses • Wiring harness fault • Correct engagement of electrical connectors • Loose or corroded connections • Warning lamp bulb(s) • Impact sensor(s) • Buckle sensor(s) • Pretensioner(s) • Belt tension sensor(s) • Restraints control module

3. **3.** If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step
4. **4.** If the cause is not visually evident, carry out the test methods described below, alternatively check for diagnostic trouble codes and refer to the relevant diagnostic trouble code index

For a complete list of all diagnostic trouble codes that could be logged on this vehicle, please refer to section 100-00. REFER to: [Diagnostic Trouble Code \(DTC\) Index - DTC: Restraints Control Module \(RCM\)](#) (100-00 General Information, Description and Operation).

Symptom Chart for Safety Belt Rows 1, 2 and 3

Symptom	Possible Causes	Action
Safety belt jammed - Webbing tight	• Backlock effect-in action (webbing retracted quickly and came to sudden stop) • Safety belt retractor not installed correctly • Rear centre belt only. Mini-button (webbing travel limit stop) missing and seat squab has been moved	• GO to Pinpoint Test A. • GO to Pinpoint Test E. • GO to Pinpoint Test H. • See the automatic locking retractor description below

Symptom	Possible Causes	Action
	- causing tight fit - Automatic locking retractor activated (clicking – during retraction only)	
Seat squab will not fold/jammed	- NOTE: Rear centre belt only - Mini-button (webbing travel limit stop) missing and seat squab has been moved causing excessive tension	GO to Pinpoint Test H.
Safety belt jammed - Webbing loose	- Safety belt webbing trapped in seat - Safety belt retractor webbing guide loose - Twist in webbing - Interference in webbing routing - D-loop not rotating correctly	- GO to Pinpoint Test B. - GO to Pinpoint Test C. - GO to Pinpoint Test D. - GO to Pinpoint Test E. - GO to Pinpoint Test G.
Safety belt - Intermittent jamming	Safety belt retractor not installed correctly	GO to Pinpoint Test F.
Safety belt - Slow retraction	- Safety belt retractor webbing guide loose - Twist in safety belt webbing - Interference in webbing routing - Safety belt retractor not installed correctly - D-loop not rotating correctly - Foreign object/debris	- GO to Pinpoint Test C. - GO to Pinpoint Test D. - GO to Pinpoint Test E. - GO to Pinpoint Test F. - GO to Pinpoint Test G. - GO to Pinpoint Test E.
Safety belt - Not retracting	- Safety belt retractor webbing guide loose - Twist in safety belt webbing - D-loop not rotating correctly - Interference in webbing routing - Foreign object/debris	- GO to Pinpoint Test C. - GO to Pinpoint Test D. - GO to Pinpoint Test G. - GO to Pinpoint Test E. - GO to Pinpoint Test E.
Safety Belt - Not extracting	- Backlock effect-in action (webbing retracted quickly and came to sudden stop) - Safety belt retractor not installed correctly - Safety belt retractor webbing guide loose - Twist in safety belt webbing - D-loop not rotating correctly - Interference in webbing routing - Foreign object/debris - Automatic locking retractor activated (clicking – during retraction only)	- GO to Pinpoint Test A. - GO to Pinpoint Test F. - GO to Pinpoint Test C. - GO to Pinpoint Test D. - GO to Pinpoint Test G. - GO to Pinpoint Test E. - GO to Pinpoint Test E. - See the automatic locking retractor description below
Safety belt - Noisy during operation	- Automatic locking retractor activated (clicking–during retraction only) - Interference in webbing routing (rubbing)	- GO to Pinpoint Test B. - GO to Pinpoint Test E.
Safety belt buckle - Not latching / jammed	Foreign object/debris	 CAUTION: Do not insert any objects or tools into the buckle head GO to Pinpoint Test I.

Inertia Reel Safety Belts

The vehicle is equipped with (two row one), (three row two), and (two row three (seven seat versions only)) inertia reel safety belts

These safety belts are "**dual sensitive**" which means that they have:

- **Car sense system - A vehicle motion sensor, which locks the safety belt webbing under braking, cornering, on steep hills and in adverse camber conditions, when parked on a steep incline or driveway or two wheels on a high curb**
- **Webb sense system - A webbing motion sensor, which locks when the safety belt webbing is extracted suddenly**

The safety belts in the following positions are equipped with an automatic locking retractor function:

Carline	Market	Seat position	Automatic Locking Retractor Installed	From Model Year
Defender (L316)	All	All	No	2007
Discovery / Range Rover Sport (L319/L320)	All	Driver	No	2008
Discovery / Range Rover Sport (L319/L320)	US	Passenger	Yes	2005
Discovery / Range Rover Sport (L319/L320)	All	Driver	No	2005
Discovery / Range Rover Sport (L319/L320)	ROW	Passenger	No	2005
Discovery (L319)	All	Row 2	Yes	2005
Discovery (L319)	All	Row 3	Yes	2005
Range Rover Sport (L320)	All	Row 2	Yes	2006
Freelander (L359)	All	Driver	No	2007
Freelander (L359)	ROW	Passenger	No	2007
Freelander (L359)	US	Passenger	Yes	2007
Freelander (L359)	ROW	Row 2	No	2007
Freelander (L359)	US	Row 2	Yes	2007

Carline	Market	Seat position	Automatic Locking Retractor Installed	From Model Year
Range Rover Evoque (L358)	All	Driver	No	2011
Range Rover Evoque (L358)	ROW	Passenger	No	2011
Range Rover Evoque (L358)	US	Passenger	Yes	2011
Range Rover Evoque (L358)	ROW	Row 2	No	2011
Range Rover Evoque (L358)	US	Row 2	Yes	2011
Range Rover (L322)	All	Driver	No	2003
Range Rover (L322)	ROW	Passenger	No	2003
Range Rover (L322)	US	Passenger	Yes	2003
Range Rover (L322)	ROW	Row 2	No	2003
Range Rover (L322)	US	Row 2	Yes	2003

The **automatic locking retractor function** is a feature to secure a child seat or heavy load to the seat

Activation	Deactivation
• NOTE: When automatic locking retractor is activated, no further webbing can be drawn from the safety belt retractor, prior to disengagement of the automatic locking. This can be mistaken as a jammed safety belt retractor Activated by total extraction of the webbing When activated the automatic locking retractor is identified by a clicking noise during webbing retraction	Automatic locking retractor is deactivated by allowing the webbing to retract until the clicking stops (close to park position) When deactivated the automatic locking retractor safety belt changes state, from a static safety belt to an automatic safety belt

Safety Belt Locking Test

With the vehicle stationary and on level ground take firm hold of the safety belt webbing (on the tongue side of the upper safety belt anchor) and withdraw sharply, **the retractor should lock**. Preventing further webbing release (**repeat this test 3 times**). Any safety belt retractor which fails to lock **must not be used** and a **new safety belt must be installed**.

DTC Index

For a list of diagnostic trouble codes that could be logged on this vehicle, please refer to Section 100-00 or for removal and installation/description and operation see Section 501-20

Diagnostic Guide Inertia Reel Safety Belts

PINPOINT TEST A : BACKLOCK	
TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
A1: BACKLOCK	
	1 Visually inspect the condition of the suspect safety belt 2 Draw a maximum of 20mm of the webbing from the safety belt retractor with moderate force. Then release the webbing 3 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes No further action required No For first row safety belt GO to Pinpoint Test C. For second and third row safety belts GO to Pinpoint Test B.

PINPOINT TEST B : WEBBING-TRAPPED IN SEAT	
TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
B1: WEBBING-TRAPPED IN SEAT	
	1 Visually inspect the condition of the suspect safety belt 2 Lift the seat base or release the seat backrest as required 3 Free the trapped webbing, allow the webbing to retract Note: If the automatic locking retractor is activated, allow the webbing to retract until the clicking stops 4 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes No further action required No GO to Pinpoint Test C.

PINPOINT TEST C : SAFETY BELT RETRACTOR-WEBBING GUIDE LOOSE	
TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
C1: SAFETY BELT RETRACTOR-WEBBING GUIDE LOOSE	
	1 Refer to 501-20 removal and installation section of the workshop manual, remove any trim panels required to expose the D loop (anchor point) and safety belt retractor 2 Check the webbing is not trapped or twisted and is centrally located on the safety belt retractor spindle 3 Attempt to withdraw the webbing from the safety belt retractor NOTE: If the safety belt webbing is jammed, the automatic locking retractor could be engaged 4 To release the automatic locking retractor, manually wind the webbing onto the spindle until the automatic locking retractor deactivates (clicking stops) 5 Fully extract webbing

	6 Confirm webbing guide location is correct , Confirm the fixing lugs are correctly located in the retractor frame
	7 Allow webbing to retract
	8 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes Refer to the 501-20 removal and installation section of the workshop manual, reinstall any trim panels, ensure there are no obstructions and the webbing does not catch or rub. No further action required No GO to Pinpoint Test D.

PINPOINT TEST D : TWIST IN WEBBING

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
D1: TWIST IN WEBBING	
	1 Refer to section 501-20 removal and installation section of the workshop manual, remove any trim panels required to expose the D loop (anchor point)
	2 Twist the webbing back the correct way in the loop
	3 Pass the twist through the pillar loop or escutcheon as required
	4 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes Refer to the 501-20 removal and installation section of the workshop manual, reinstall any trim panels, ensure there are no obstructions and the webbing does not catch or rub. No further action required No GO to Pinpoint Test E.

PINPOINT TEST E : INTERFERENCE-WEBBING ROUTING

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
E1: INTERFERENCE-WEBBING ROUTING	
	1 Refer to the 501-20 removal and installation section of the workshop manual, remove any trim panels required to expose the D loop (anchor point)
	2 Remove obstructions and foreign objects ensure the webbing does not catch or rub
	3 Confirm the safety belt does not contact the wiring harness
	4 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes Refer to the 501-20 removal and installation section of the workshop manual, reinstall any trim panels, ensure there are no obstructions and the webbing does not catch or rub. No further action required No GO to Pinpoint Test F.

PINPOINT TEST F : SAFETY BELT RETRACTOR-INCORRECT INSTALLATION

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
F1: SAFETY BELT RETRACTOR-INCORRECT INSTALLATION	
	1 Refer to the 501-20 removal and installation section of the workshop manual, remove any trim panels required to expose the D loop (anchor point) and the safety belt retractor
	2 Refer to the 501-20 removal and installation section of the workshop manual, correctly reinstall the safety belt retractor ensure that the locating "T bar" and "anti rotation pins" are correctly located
	3 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes Refer to the 501-20 removal and installation section of the workshop manual, reinstall any trim panels, ensure there are no obstructions and the webbing does not catch or rub. No further action required No Replace as required. Refer to the warranty policy and procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component

PINPOINT TEST G : D-LOOP NOT ROTATING CORRECTLY

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
G1: D-LOOP NOT ROTATING CORRECTLY	
	1 Refer to the 501-20 removal and installation section of the workshop manual, remove any trim panels required to expose the D loop (anchor point) and the safety belt retractor
	2 Ensure there are no obstructions and the webbing does not catch or rub, the D loop (anchor point) rotates correctly and if installed the confirm the height adjuster operates correctly
	3 Check for correct operation twice
	Does the webbing move freely then retract correctly? Yes Refer to the 501-20 removal and installation section of the workshop manual, reinstall any trim panels, ensure there are no obstructions and the webbing does not catch or rub. No further action required No

Replace as required. Refer to the warranty policy and procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component

PINPOINT TEST H : MINI BUTTON-MISSING/DAMAGED

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
H1: MINI BUTTON-MISSING/DAMAGED	
• NOTE: This test applies to the rear centre safety belt retractor installed in the seat back	
	1 Refer to the 501-20 removal and installation section of the workshop manual, remove the seat cushion and the plastic escutcheon at the top of the seat back (where the webbing exits to expose the lower anchor fixing point of the center safety belt) 2 Remove the lower anchorage of the safety belt 3 With the seat back correctly latched, allow up to 20mm webbing to retract, then extract the webbing
	Is the mini-button (webbing travel limit stop) correctly installed to the webbing and in good condition? Yes Feed the mini-button back through the plastic escutcheon if required. Correctly reinstall the escutcheon to the seat back, extract the webbing then allow to retract, ensure the mini-button comes to rest outside the escutcheon stop No Replace as required. Refer to the warranty policy and procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component

PINPOINT TEST I : SAFETY BELT BUCKLE-NOT LATCHING/JAMMED

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
I1: SAFETY BELT BUCKLE-NOT LATCHING/JAMMED	
 CAUTION: Do not insert any objects or tools into the buckle head	
	1 Visually inspect the buckle head for evidence of damage. If damaged replace as required 2 Depress the buckle release (red button) and (Using a torch) carry out visual inspection for any evidence of debris/material or foreign objects in the buckle head 3 If required remove the pretensioner from the vehicle. Remove the seat. Remove the pretensioner from the seat frame 4 Do not insert any objects or tools buckle head With the buckle removed invert and attempt to shake out any debris 5 Attempt to latch the tongue in the buckle
	Does the seat belt buckle operate correctly Yes Reinstall any components, no further action required No Replace the pretensioner, Refer to section 501 20

Safety Belt System - Front Safety Belt Retractor

Removal and Installation

Removal

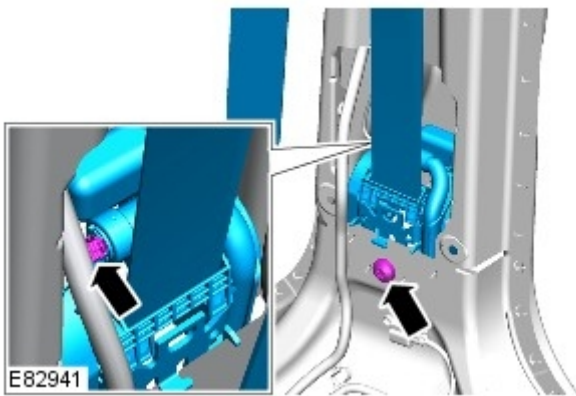
- NOTE: Removal steps in this procedure may contain installation details.

1. Make the SRS system safe.

Refer to: Supplemental Restraint System (SRS) Depowering and Repowering (501-20, General Procedures).

2. Remove the B-pillar upper trim panel.

Refer to: [B-Pillar Upper Trim Panel](#) (501-05 Interior Trim and Ornaamentation, Removal and Installation).



3.  **WARNING:** Make sure that a new bolt is installed.

Torque: 40 Nm

Installation

1. To install, reverse the removal procedure.

Safety Belt System - Rear Safety Belt Retractor

Removal and Installation

Removal

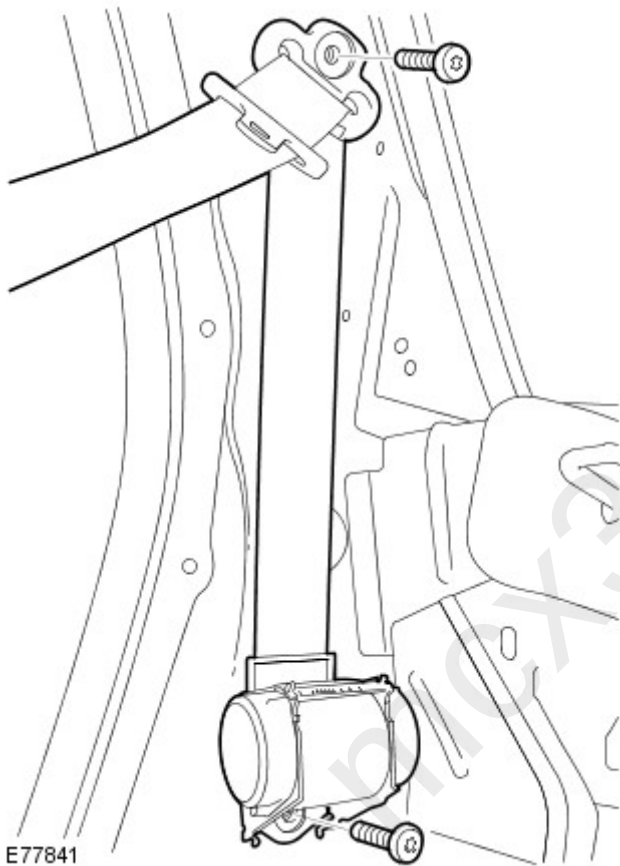
1. Remove the rear quarter trim panel.

Refer to: [Rear Quarter Trim Panel](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

2. Remove the C-pillar upper trim panel.

Refer to: [C-Pillar Trim Panel](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

3. Torque: 40 Nm



Installation

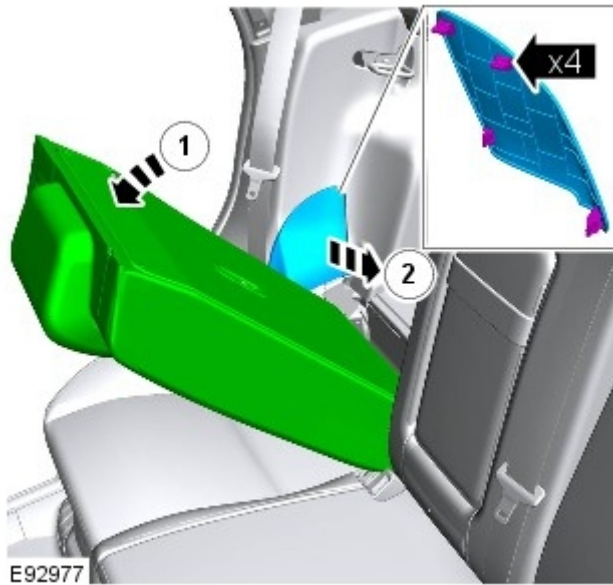
1. To install, reverse the removal procedure.

Safety Belt System - Rear Center Safety Belt Retractor

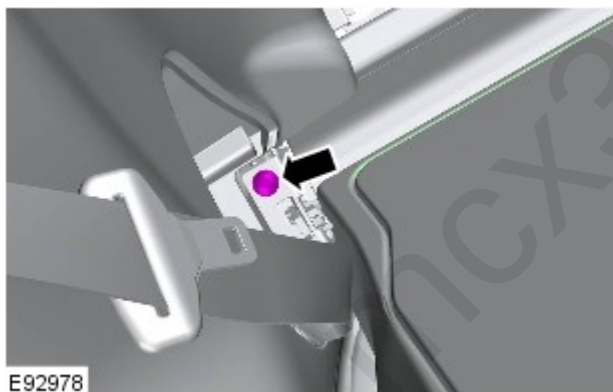
Removal and Installation

Removal

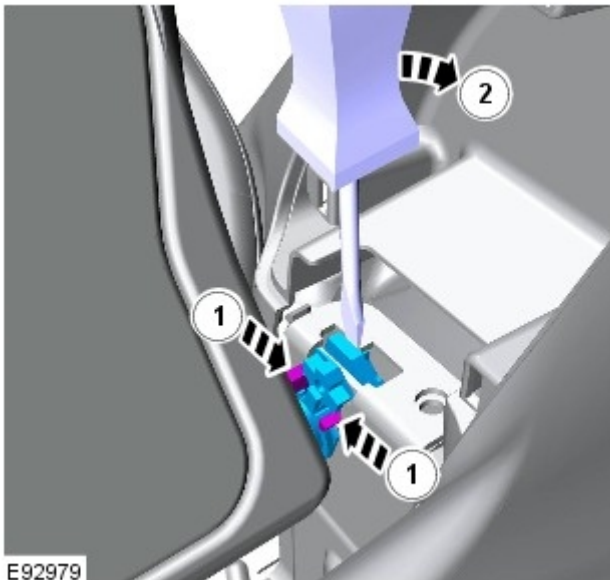
• NOTE: This procedure involves the removal and installation of both rear seat backrests and the LH rear seat backrest cover and pad assembly. All notes and cautions must be followed strictly to avoid any chance of NVH or failure of the rear seat backrests.



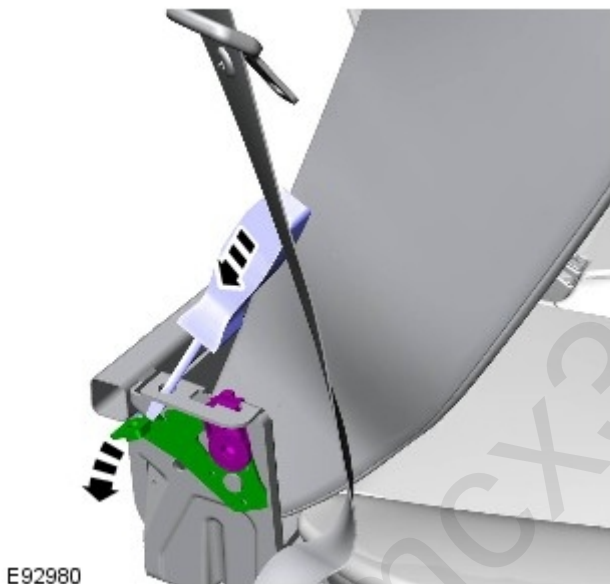
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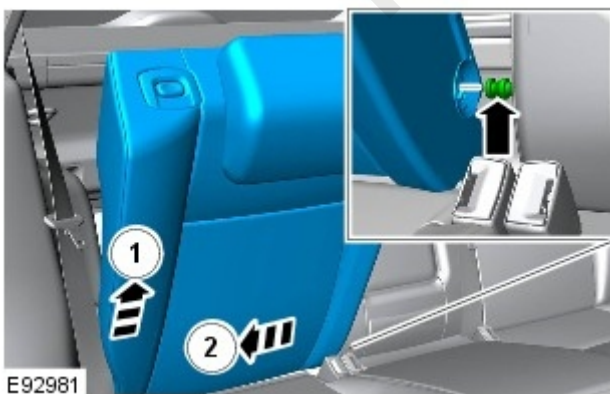
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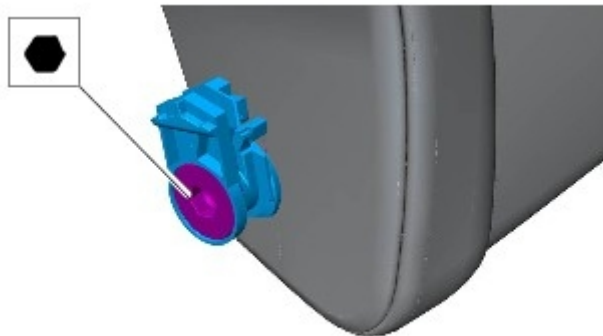
3. Release the RH rear seat backrest outer pivot pin bushing.



4. Using a screwdriver, release the outer pivot pin bushing locking arm.

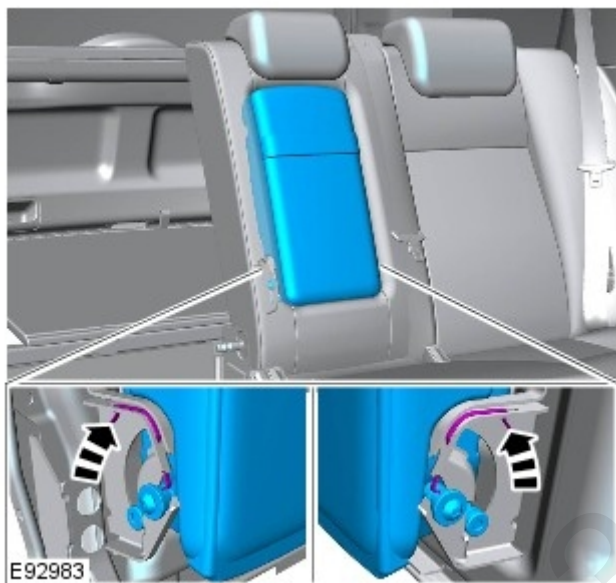


5. **⚠ CAUTION:** The left-hand rear seat backrest inner pivot pin has radial grooves. When removing the RH backrest from the LH backrest take care not to damage the RH backrest inner pivot bushing.
 - Release the RH rear seat backrest outer pivot pin bushing from the mounting bracket.
 - Release the RH rear seat backrest from the LH rear seat backrest.



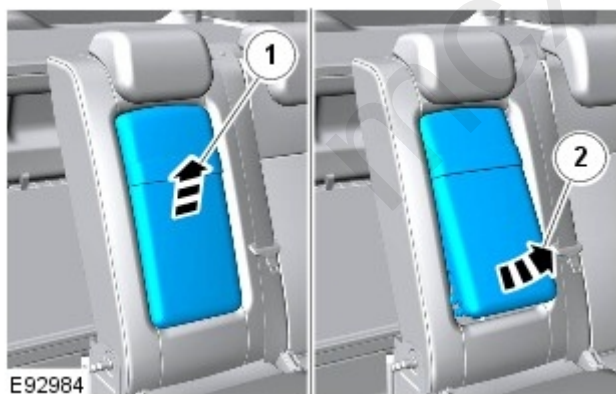
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6. Remove and discard the RH rear seat backrest outer pivot pin bushing.



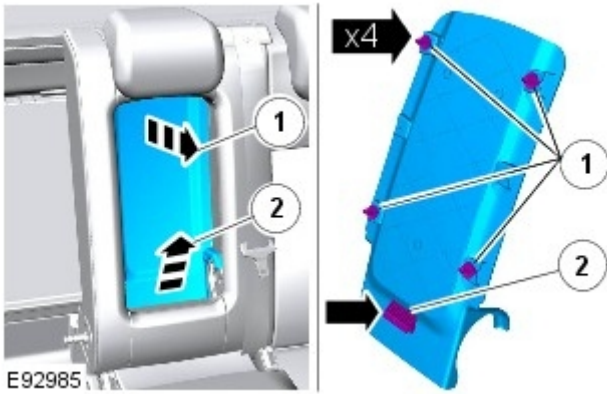
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7.
 - If installed, release the armrest.
 - Remove and discard the armrest pivot bushing spring clips.



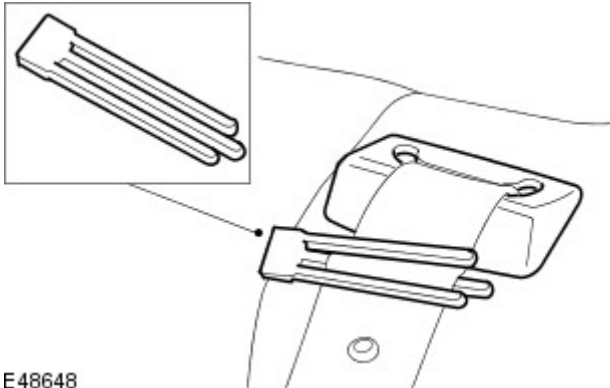
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8.
 - Slide the armrest upwards.
 - Slide the armrest outwards.



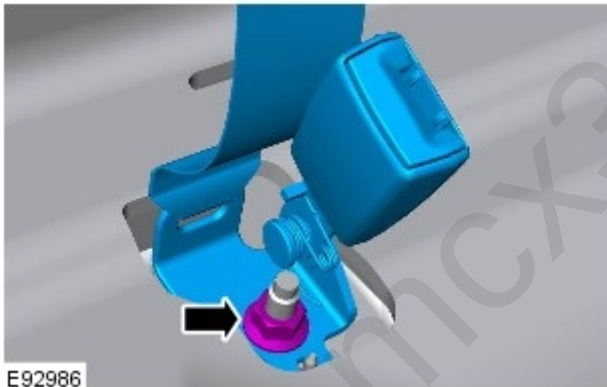
9.

- Remove the armrest backing plate.
- Remove and discard the 4 fir tree clips.

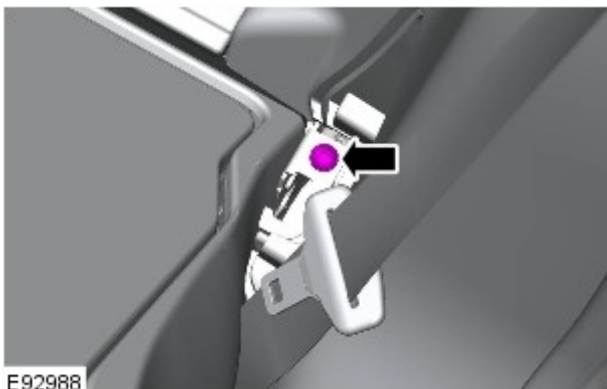


10. **CAUTION:** Make sure that a webbing retainer is installed at least 200 mm towards the rear center safety belt retractor from the webbing stop.

Install the safety belt webbing retainer.

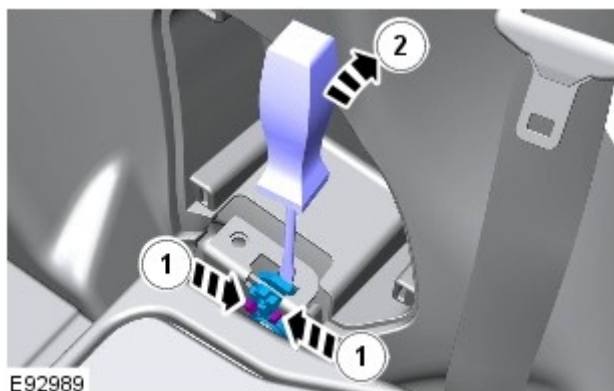


11. Remove the rear center safety belt lower anchor nut.

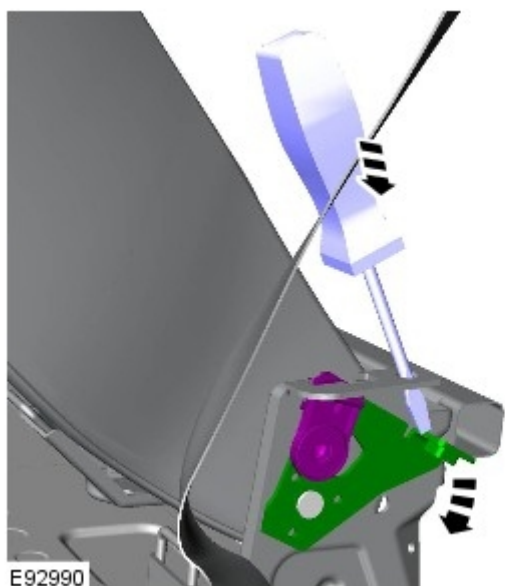


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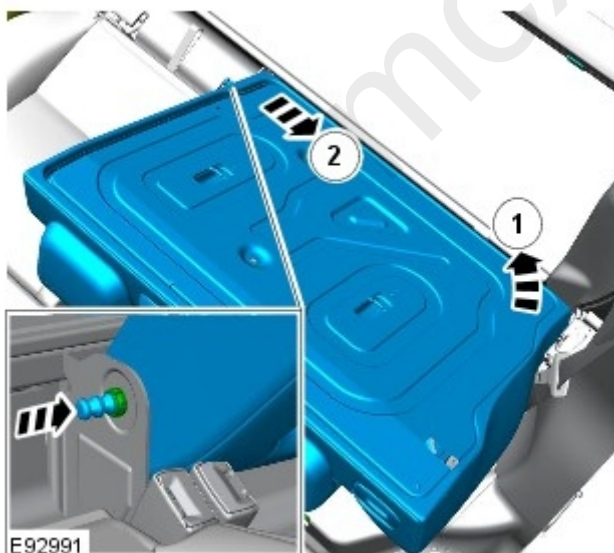




14. Release the LH rear seat backrest outer pivot pin bushing.



15. Using a screwdriver, release the outer pivot pin bushing locking arm.



16. **CAUTION:** The left-hand rear seat backrest inner pivot pin has radial grooves. Take care not to damage the center hinge pivot bushing.
 - Release the LH rear seat backrest outer pivot pin bushing from the mounting bracket.
 - Carefully slide the LH rear seat backrest inner pivot pin out of the center hinge pivot bushing.



17. Remove and discard the LH rear seat backrest outer pivot pin bushing.

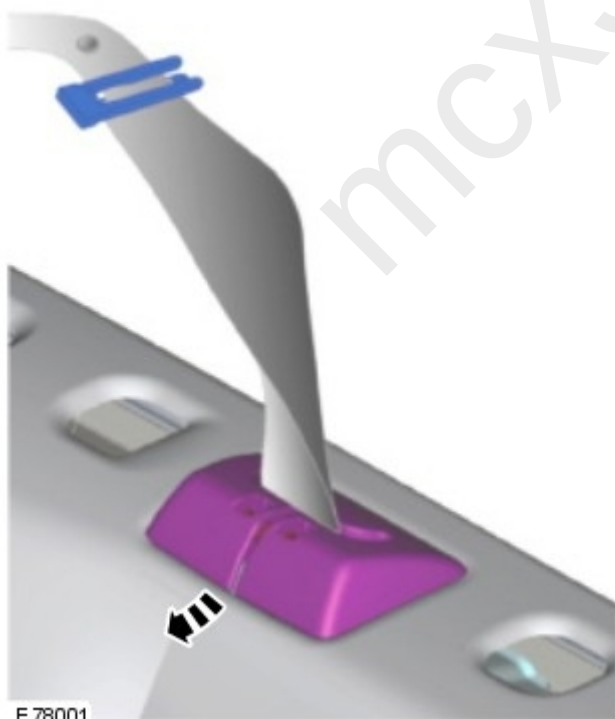
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- 18.



E92993

19. Remove the center safety belt trim panel.



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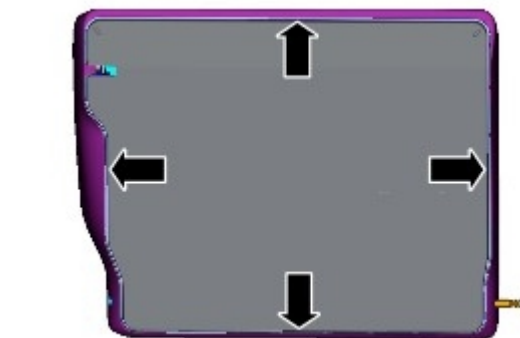


20. Remove the rear seat backrest release button trim panel.



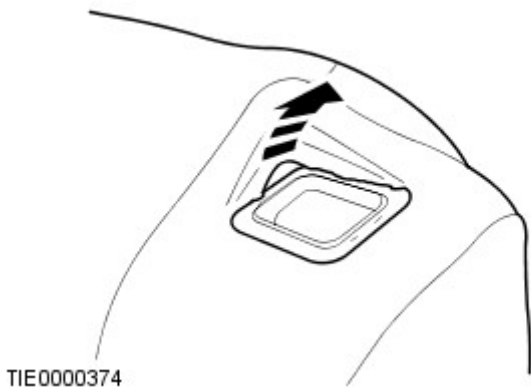
21. **CAUTION:** Make sure that the head restraint guide tube locking tang is fully depressed before removal.

- Using a screwdriver, depress the locking tang.
- Pull the guide tube upwards.
- Remove and discard the head restraint guide tubes.



22. Release the rear seat backrest cover from the rear seat backrest frame.

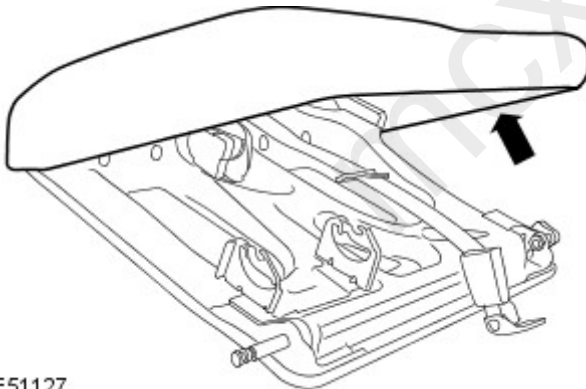
23. Release the rear seat backrest cover and pad assembly from the rear seat backrest release button.



24. Release the rear center safety belt and lower anchor from the backrest cover.



25. Remove the rear seat backrest cover and pad assembly.

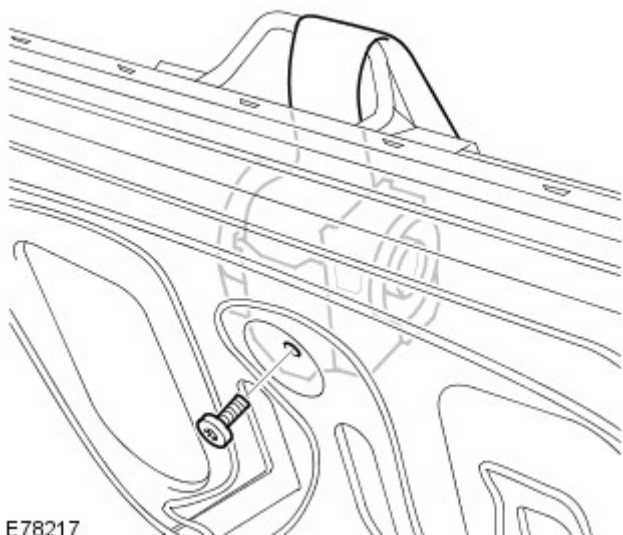


26. Remove the carpet from the LH rear seat backrest.



27.

- Remove the rear center safety belt retractor Torx bolt.
- Release the locking tang.



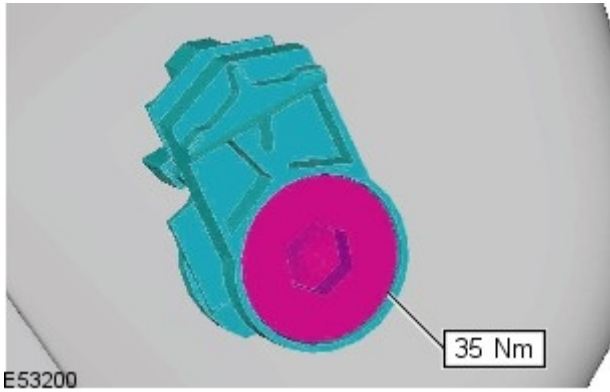
Installation

1.
 - Install the rear center safety belt retractor.
 - Locate the tang of the rear center safety belt into the LH rear seat backrest frame.

2. Install the rear center safety belt retractor Torx bolt.

Torque: 35 Nm

3. Install the carpet to the LH rear seat backrest.
4. Guide the rear center safety belt and lower anchor through the backrest cover.
5. Install the rear seat backrest cover and pad assembly.
6. Secure the rear seat backrest cover and pad assembly around the rear seat backrest release button.
7. Secure the rear seat backrest cover to the rear seat backrest frame.
8. Install new head restraint guide tubes.
9. Install the rear seat backrest release button trim panel.
10. Install the center safety belt trim panel.
11. Install the head restraints.



12. Install a new LH rear seat backrest outer pivot pin bushing.

Torque: 35 Nm

13. **13. CAUTIONS:**



The center hinge pivot bushing must be replaced if excessive damage or wear is present.



The left-hand rear seat backrest inner pivot pin has radial grooves. Take care not to damage the center hinge pivot bushing.

- Install the LH rear seat backrest inner pivot pin to the center hinge pivot bushing.
- Carefully lower the LH rear seat backrest outer pivot pin bushing into the mounting bracket.

14. Install a new bolt to the outer pivot pin bushing locking arm.

Torque: 23 Nm

15. Install the LH rear quarter trim access panel.

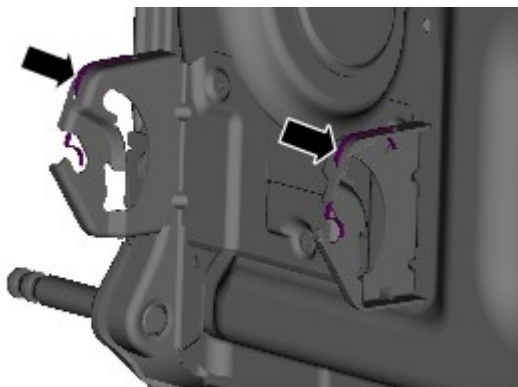
16. **16. ⚠ WARNING:** Make sure that the safety belt anchor is correctly installed.

Secure the rear center safety belt lower anchor.

Torque: 40 Nm

17. **17. ⚠ CAUTION:** Check for correct operation of the rear center safety belt retractor.

Remove the safety belt webbing retainer.

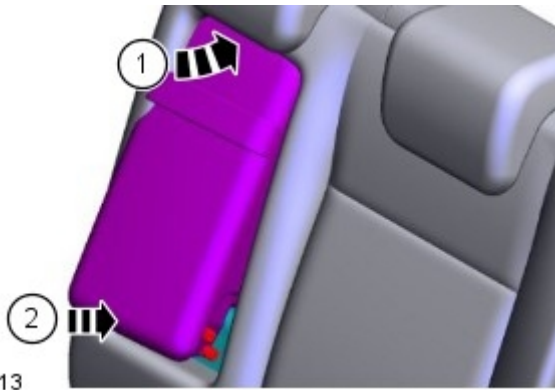


18. **18. ⚠ WARNING:** New armrest pivot bushing spring clips must be installed. Failure to follow this instruction may result in personal injury.

If installed with armrest, install new armrest pivot bushing spring clips.

- 19.

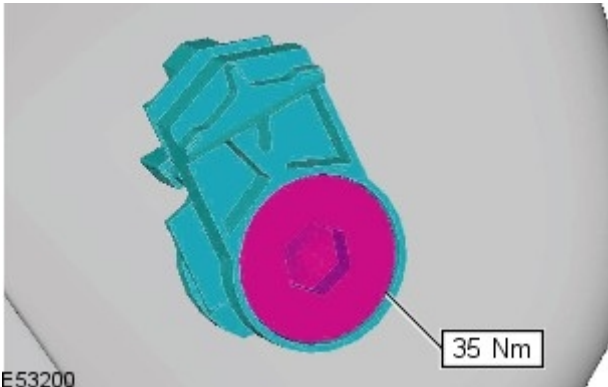
- Install 4 new fir tree clips to the armrest backing plate.
- Install the armrest backing plate.



E51513

20. **20.** NOTE: Make sure that the armrest pivot bushing spring clips locate in the armrest pivot bushing grooves.

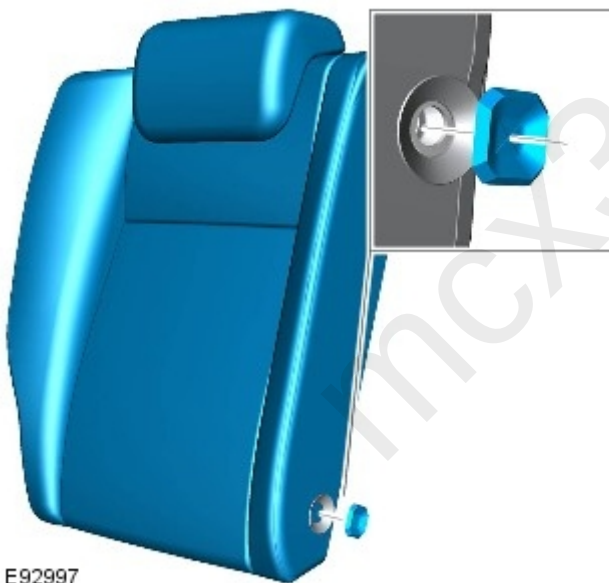
Install the armrest.



E53200

21. Install a new RH rear seat backrest outer pivot pin bushing.

Torque: 35 Nm



E92997

22. **22.**  CAUTION: If the existing right-hand rear seat backrest is to be installed, the condition of the inner pivot bushing must be checked and a service pad installed. If excessive damage is present to the inner pivot bushing the right-hand rear seat backrest frame must be replaced.

- NOTE: This step is not necessary if a new right-hand rear seat backrest is to be installed.

Install the service pad to the RH rear seat backrest inner pivot bushing.

23. **23.**  CAUTION: The left-hand rear seat backrest inner pivot pin has radial grooves. When installing the RH backrest, take care not to damage the inner pivot bushing.

- Carefully guide the RH rear seat backrest inner pivot bushing onto the LH rear seat backrest inner pivot pin.
- Carefully lower the RH rear seat backrest outer pivot pin bushing into the mounting bracket.

24. Install a new bolt to the outer pivot pin bushing locking arm.

Torque: 23 Nm

25. Install the RH rear quarter trim access panel.

Safety Belt System - Front Safety Belt Buckle

Removal and Installation

Removal

- NOTE: Removal steps in this procedure may contain installation details.

1. Disconnect the battery ground cable.

Refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

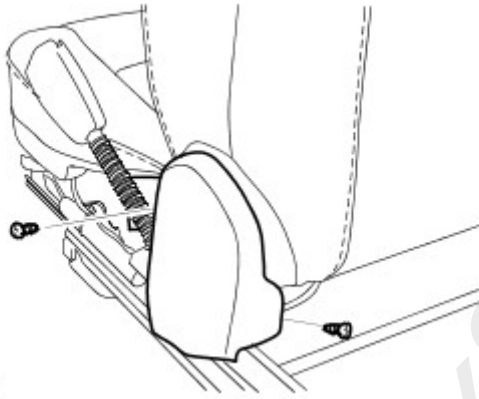
2. Make the SRS system safe.

Refer to: Supplemental Restraint System (SRS) Depowering and Repowering (501-20, General Procedures).

3. Remove the front seat.

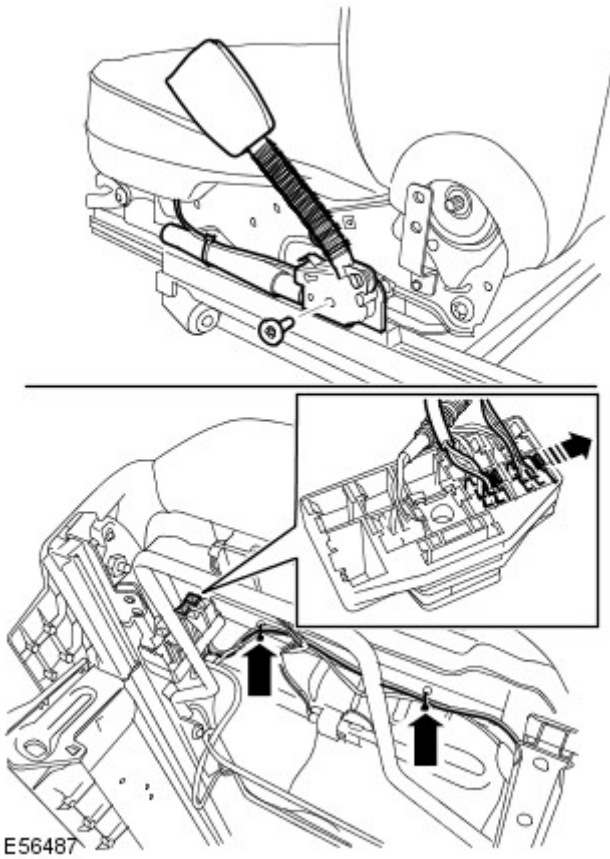
Refer to: [Front Seat](#) (501-10 Seating, Removal and Installation).

- 4.



E56486

5. Torque: 40 Nm



Installation

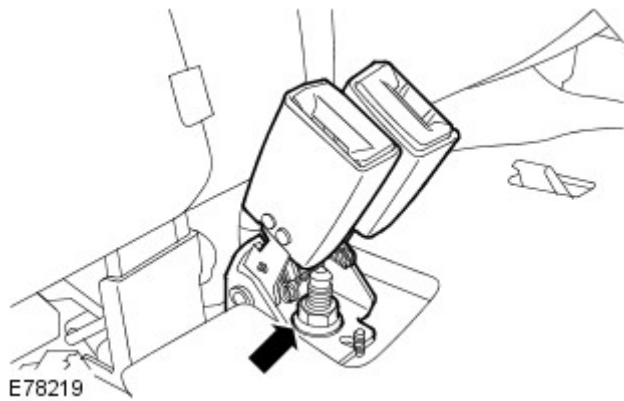
1. To install, reverse the removal procedure.

Safety Belt System - Rear Safety Belt Buckle

Removal and Installation

Removal

- NOTE: Removal steps in this procedure may contain installation details.



1. Torque: 55 Nm

Installation

1. To install, reverse the removal procedure.