

FORTUNER

FITTING INSTRUCTIONS

PRODUCTION DATE: 2015-ON

ACCESSORY PART NUMBER: PZQ72-89010 CARGO BARRIER

PLACE THESE INSTRUCTIONS IN VEHICLE GLOVEBOX AFTER INSTALLATION IS COMPLETE



 **CAUTION**


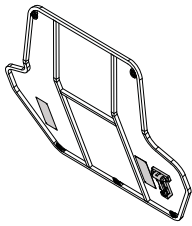
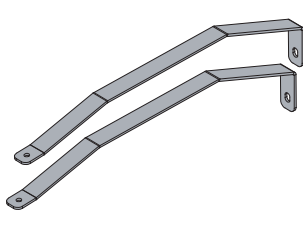
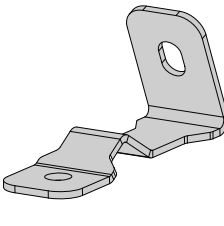
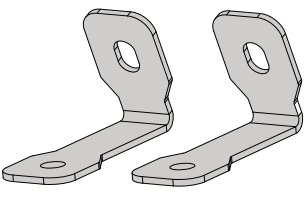
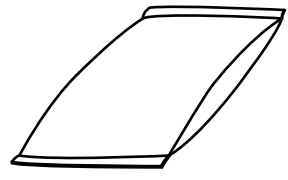
Ensure appropriate PPE is worn whilst installing this accessory.

Review the compliance plaque fitted to the cargo barrier for correct maintenance of this accessory. Periodically check the torque of all fasteners to values listed in instructions.

INSTALLATION TIME

Approximately 90 minutes.

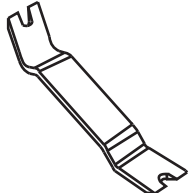
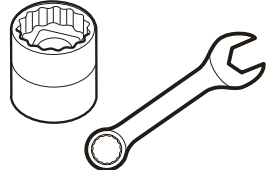

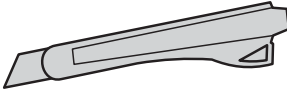
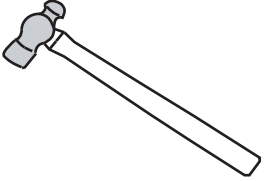
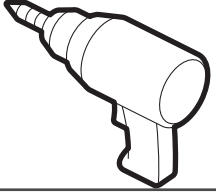
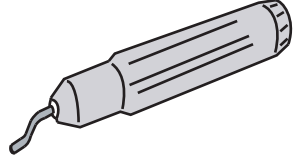
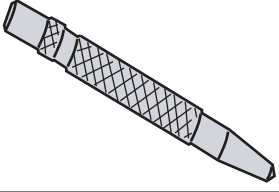


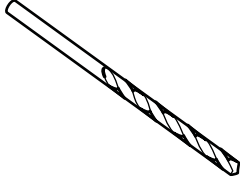
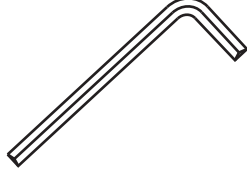
KIT CONTENTS

<p>1 Fitting Instructions</p>  <p>x1</p>	<p>2 Cargo Barrier</p>  <p>x1</p>	<p>3 Top Straps</p>  <p>x2</p>	<p>4 Lower Strap Centre</p>  <p>x1</p>
<p>5 Lower Strap Side</p>  <p>x2</p>	<p>6 Bolt Pack</p>  <p>x1</p>		

! CHECK THAT THE CONTENTS OF THE CARGO BARRIER KIT ARE COMPLETE & UNDAMAGED PRIOR TO FITMENT.

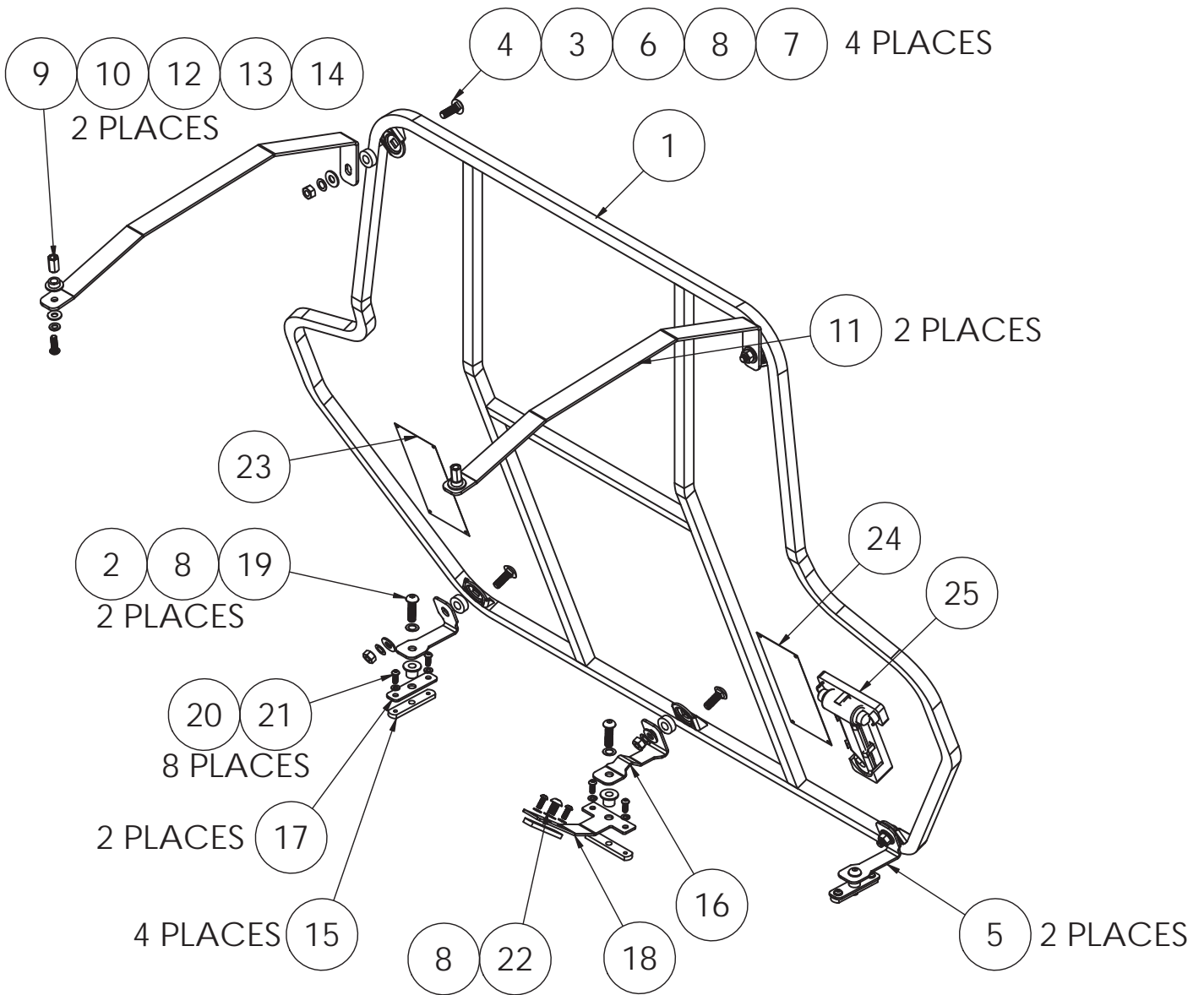
! IF ANY CONTENTS OF THE CARGO BARRIER KIT ARE INCOMPLETE OR DAMAGED THEY MUST BE REPLACED USING SPECIFIED ACCESSORY COMPONENTS.

TOOLS REQUIRED

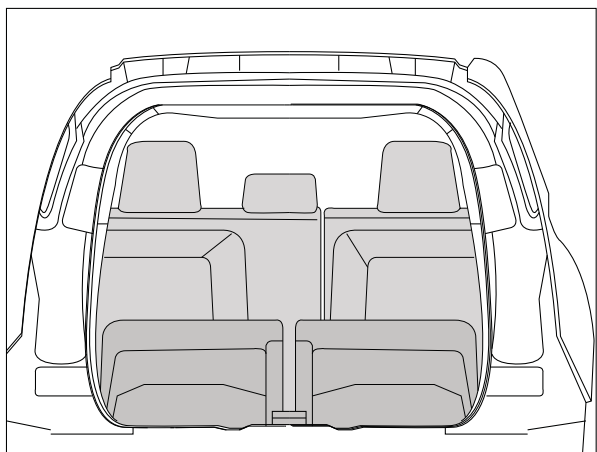
<p>1 Trim Removal Tool</p> 	<p>2 Metric Sockets & Spanners</p> 	<p>3 Torque wrench</p> 	<p>4 Sharp knife</p> 
<p>5 Hammer</p> 	<p>6 Drill</p> 	<p>7 De-Burring Tool</p> 	<p>8 Centre Punch</p> 
<p>9 19mm Hole Saw</p> 	<p>10 19mm Vinyl Cutter</p> 	<p>11 Metric Drill Set</p> 	<p>12 Allen Key Set</p> 

- Read through the fitting instructions before installation of accessory.
- Always install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- It is always recommended that this accessory is fitted by an Authorised Toyota Dealer.
- Ensure any drilled holes in vehicle are treated with supplied anti-rust preventative.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.
- Do not attach the cargo barrier to the vehicle using seat, seat belt, or child restraint devices (CRD) or its anchorages.
- Do not obstruct seat belts or child restraints, or their operation.
- Do not remove the plaque from the Cargo Barrier.
- Do not attach objects to the front of the cargo barrier.
- Do not modify the cargo barrier in any way.
- Do not use this cargo barrier in any other vehicle for which it is not designed.
- During a collision, moving cargo may damage the seat belts and the tether strap of a child restraint device or its anchorage. Load should not be in contact with webbing.
- When cargo is placed behind the cargo barrier, it may damage child restraint anchorages and upper anchorage straps.
- Load should be positioned against cargo barrier.
- Long, thin items of cargo should be positioned in the vehicle with the the long axis across the vehicle to minimise the penetration risk.
- Do not place smaller items, that may bypass the cargo barrier in the event of heavy braking or collision near the edges of the barrier.
- The rear centre child restraint should not be used while cargo which could potentially damage the tether strap, is being carried.

PZQ72-89010 - CARGO BARRIER			
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	A41341-A1	WELDED ASSEMBLY	1
2	40140	BUSH PLASTIC 14MM	3
3	PJ668	FRAME SPACER	5
4	92047	M10 X 30 X 1.5P COACH BOLT	5
5	A41341-3	BOTTOM STRAP	2
6	PA223	WASHER FLAT M10 X 23 X 2 Z/P	5
7	PA182	HEX NUT M10x1.5	5
8	92358	WASHER M10 WAVE	9
9	PJ205	COUPLING NUT M8 X 1.25P X 22	2
10	PJ529	BUSH PLASTIC M8 7mm	2
11	A41341-4	TOP STRAP	2
12	PA239	Wshr ft M8 x 19.5 x 1.60 z/p	4
13	PA240	WSHR SPRING FT SEC M8x3.0x2.0mm z/p	2
14	PJ237	SCREW BUTTON HD M8 X 25 X 1.25P G12.9 Z/P	2
15	PD463	ANCHOR PLATE	4
16	A41341-6	BOTTOM CENTRE STRAP	1
17	PD373	COVER PLATE	2
18	A41341-7	LOWER COVER PLATE	1
19	PG876	SCREW BUTTON HD M10 X 35 X 1.5P	3
20	PA236	M6 SPRING WASHER	8
21	PG260	SCREW BUTTON HD M6 X 16 X 1P G12.9 Z/P	8
22	PG259	SCREW BUTTON HD M10 X 16 X 1.5P G12.9 Z/P	1



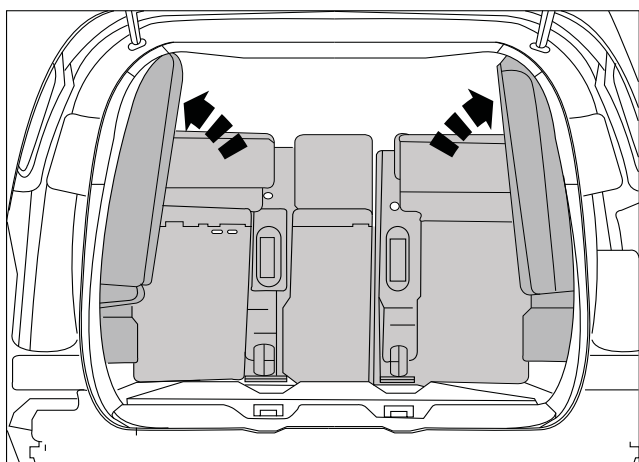
STEP 1



Check contents of kit before commencing fitment.

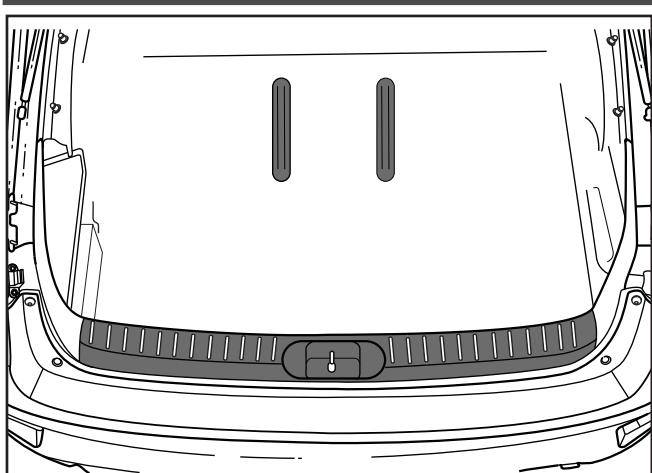
Open the rear luggage compartment door.

STEP 2



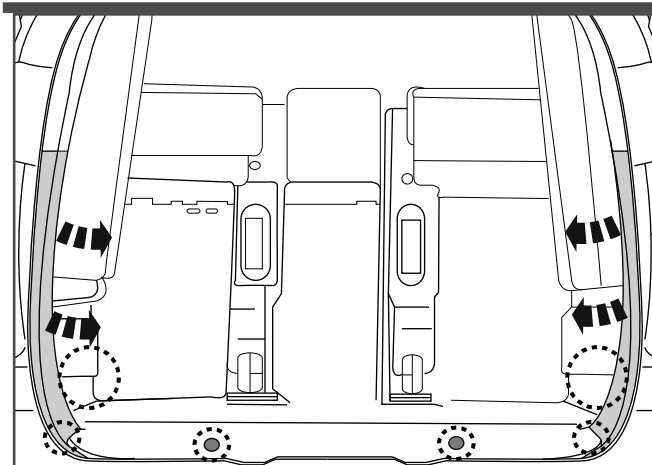
Ensure the second row seats are tumbled to their forward most position and 3rd row seats are stored in up position

STEP 3



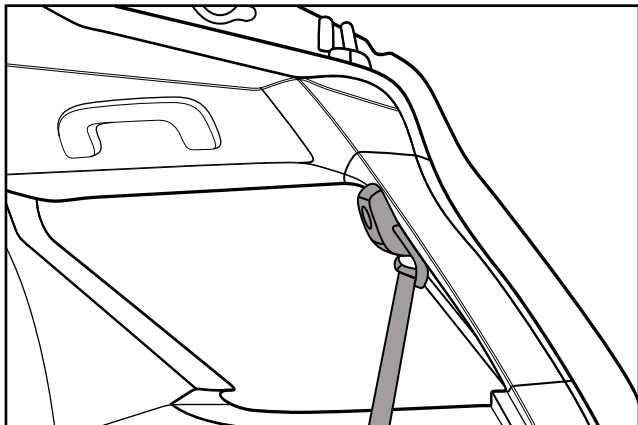
Remove the rear scuff plate & 3rd row seat anchorage covers

STEP 4



- Remove 3rd row lower seat belt anchorage bolt - 14mm socket
- Dislodge 3 rear side trim retainers
- Remove 4 carpet retainers

STEP 5

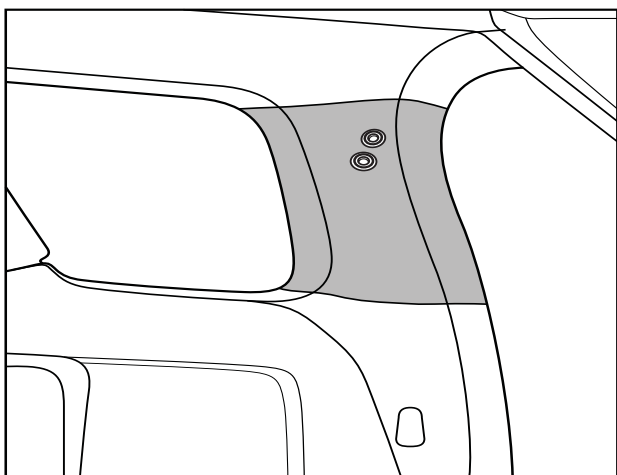


Remove third row seat belt upper anchorage bolt.

RH side shown, repeat for LH side.

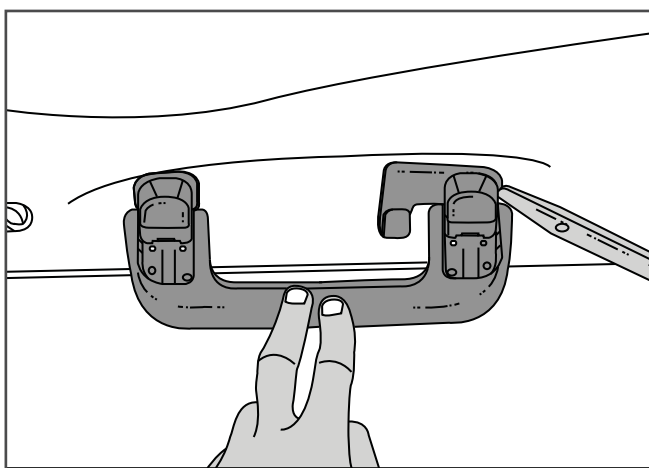
14mm & 10mm socket

STEP 6



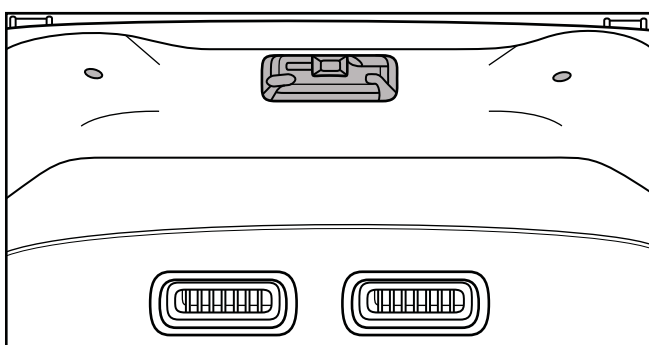
Remove the upper portion of the D-pillar trims

STEP 7



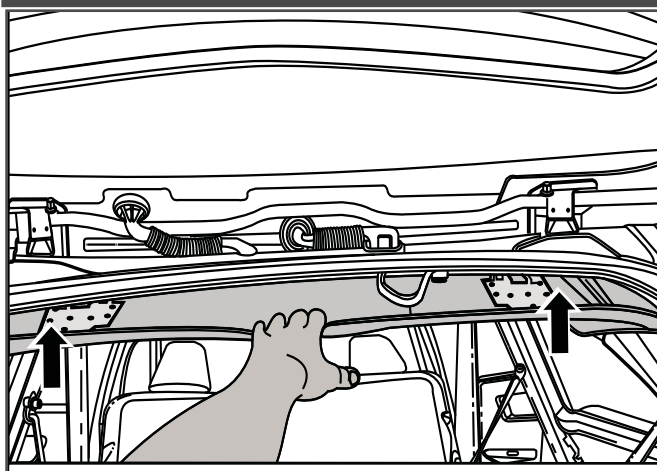
Using a trim removal tool, remove both third row grab handles. Take care not to damage whilst removing.

STEP 8



Using a trim removal tool, dislodge and remove the rear interior light and two rear headliner trim plugs.

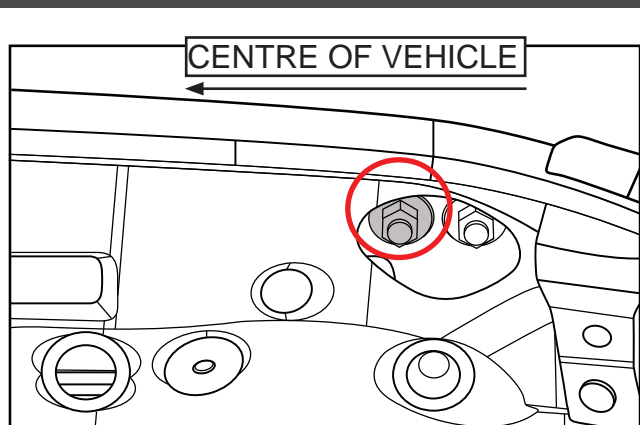
STEP 9



Lower headliner carefully to allow access to rear closure hinge fasteners.

Note: Take care not to crease headliner.

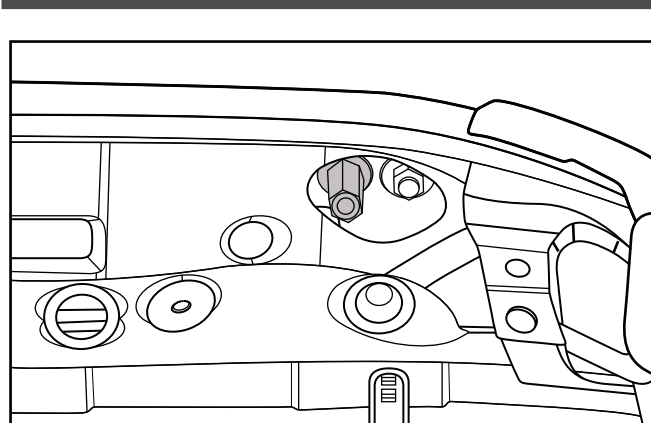
STEP 10



Using a socket remove the inner most nut from both rear closure door hinges - 12mm socket

Store the nut in a safe place.

STEP 11

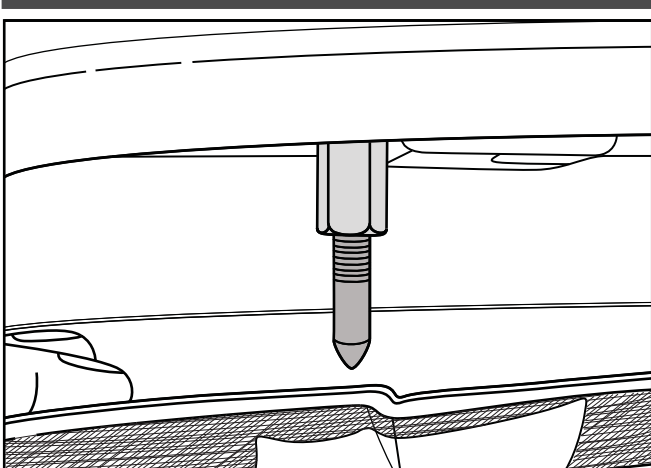


Installed supplied M8 coupling nut with flat washer to the inner most rear closure door stud.

RH side shown, repeat for LH side.

TORQUE: M8 Coupling Nut: 22Nm

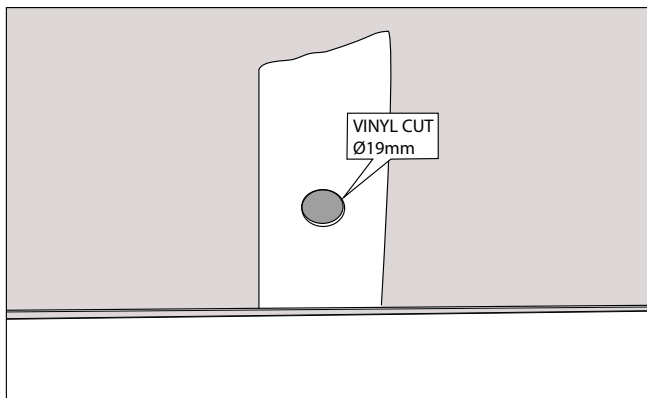
STEP 12



Place masking tape on approximate area of coupling nut location on headliner.

Install supplied M8 spike into coupling nut and depress headliner to leave a witness mark.

STEP 13

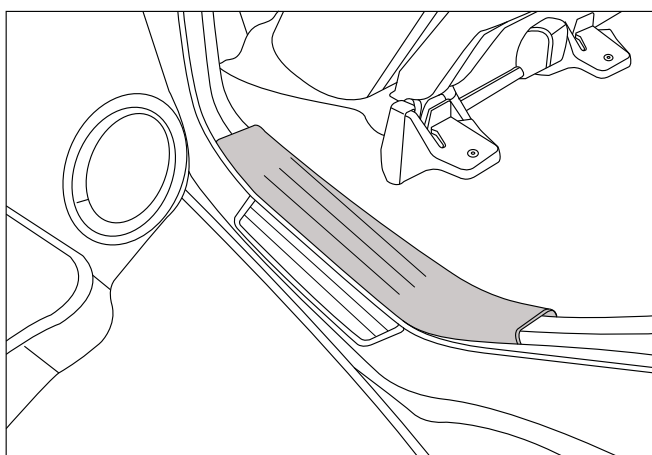


Drill/cut headliner at marked location using a 19mm vinyl cutter. Repeat for opposite side.

Remove spike and reinstall headliner, grab handles, trim and upper seatbelt anchorage bolts.

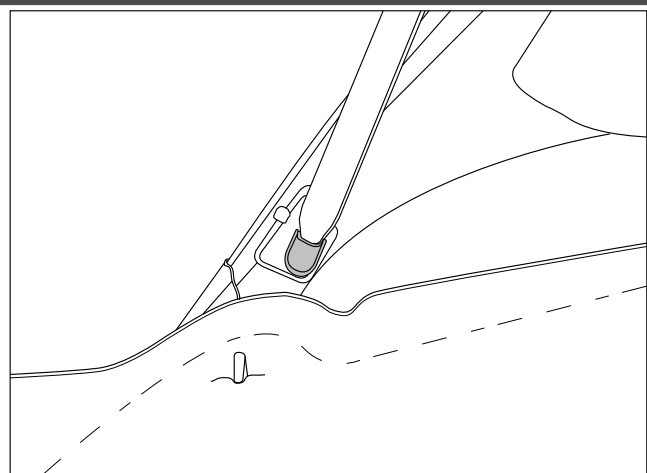
TORQUE: 42Nm (Seatbelt anchorage bolts)

STEP 14



Remove both 2nd row scuff plates

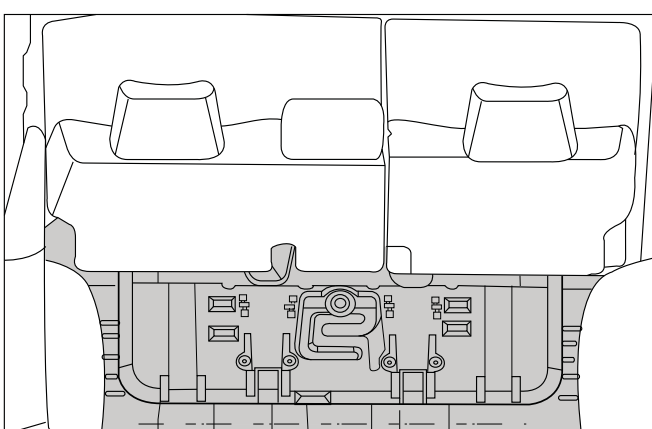
STEP 15



Remove 2nd row lower seat belt bolt

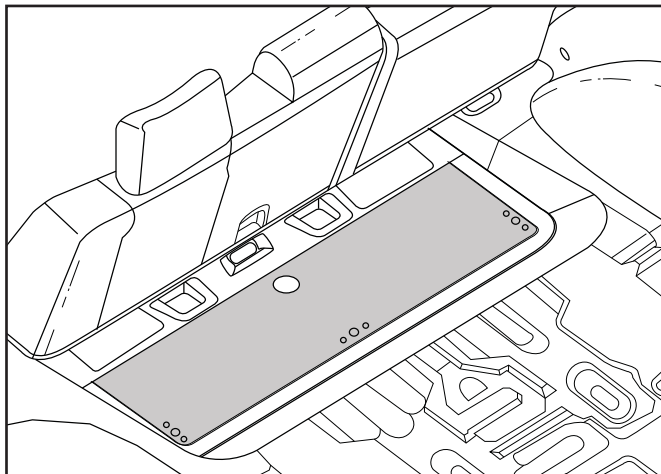
14mm socket

STEP 16



Fold forward rear section of carpet and underlay to expose vehicle floor pan behind 2nd row seats.

STEP 17



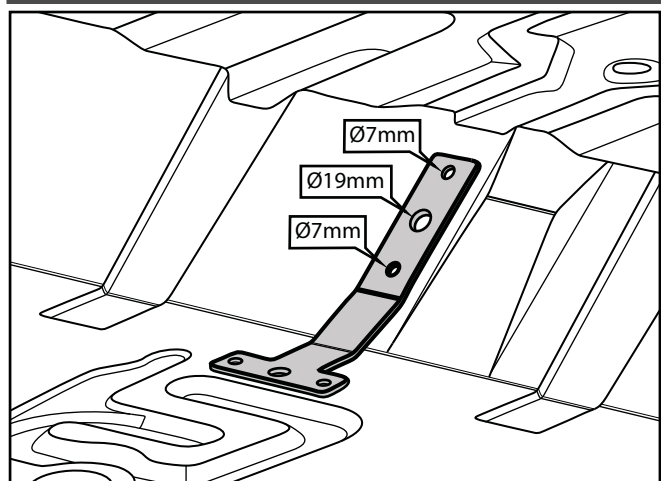
Remove large grommet from centre of floor pan and follow instructions on the 'Floor Pan Drilling Template' to align it across vehicle floor.

Secure template and mark & drill locations as per template instructions.

CAUTION: Ensure a 10mm drill stop is used to prevent damage to underlining components.

Deburr the edges, remove swarf and coat with anti-rust grease.

STEP 18



Place the lower cover plate on the floor pan and align with the drilled holes.

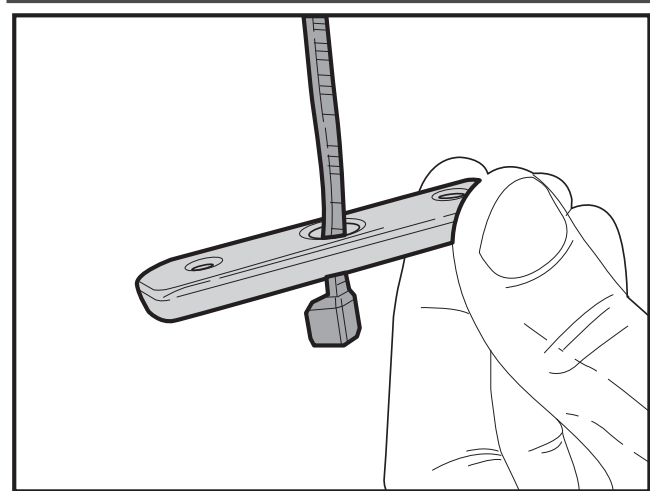
Mark the centre location of the upper holes on the floor pan.

Remove cover plate and drill marked locations as per before. Centre hole 19mm, outer holes 7mm.

CAUTION: Ensure a 10mm drill stop is used.

Deburr the edges, remove swarf and coat with anti-rust grease.

STEP 19

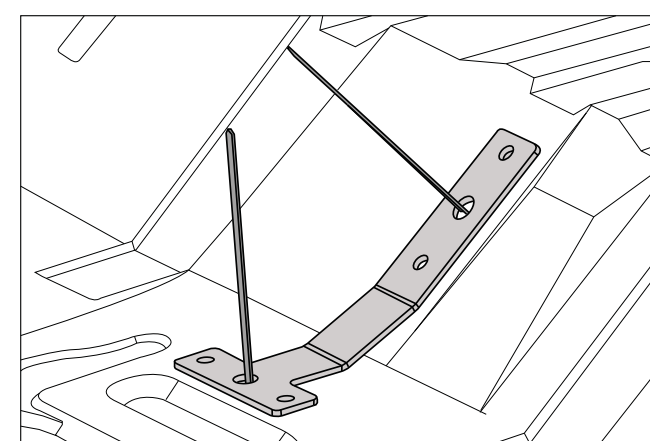


Insert a large cable tie through the centre hole of one of the anchor plates as shown.

Starting with the centre point, insert the anchor plate into the 19mm hole and align with the drilled holes with the aid of the cable tie.

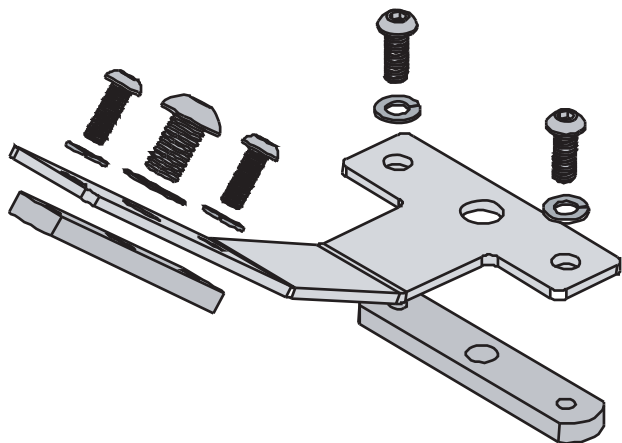
Ensure the smooth side of the anchor plate mates against the floor panel.

STEP 20



With the anchor plates below the floor pan, place the lower cover plate on the floor pan and feed the cable ties through the larger centre holes in the plate.

STEP 21

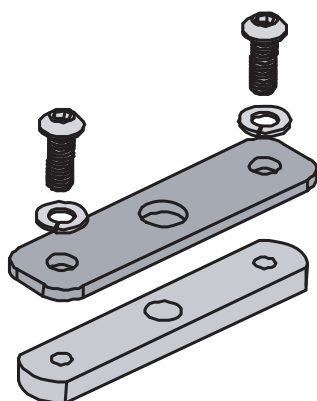


Secure the anchor plates to the cover plate using the M6x16mm button head bolts, M6 spring washers.

Remove the cable tie and secure the rear most point using a M10x16mm button head bolt and M10 wave washer.

TORQUE: M6: 9Nm
M10: 35Nm

STEP 22

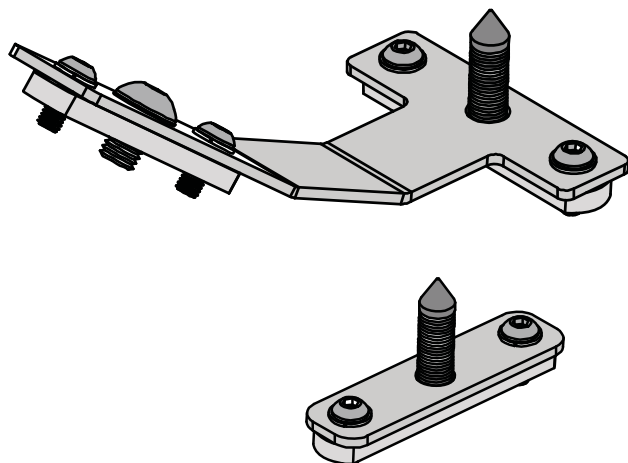


For the side positions, install an anchor plate through the centre drilled 19mm hole and secure to a supplied small cover plate using the M6x16mm button head bolts, M6 spring washers.

Remove the cable tie.

TORQUE: M6: 9Nm

STEP 23



Install supplied M10 spike into the anchor plate as shown.

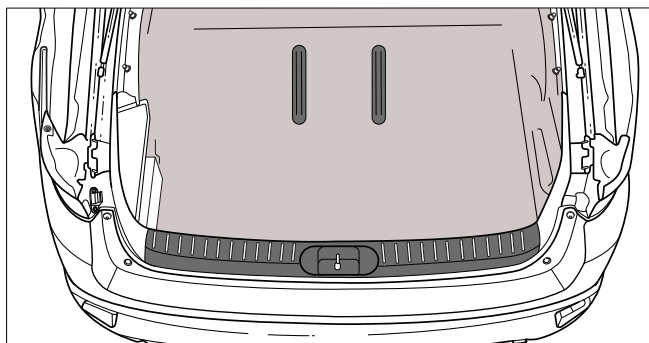
Replace carpet and place masking tape on approximate area of spike location.

Depress the carpet into the spike to leave a witness mark.

Drill marked location using a 19mm vinyl cutter.

Repeat for all three locations then reinstall carpet

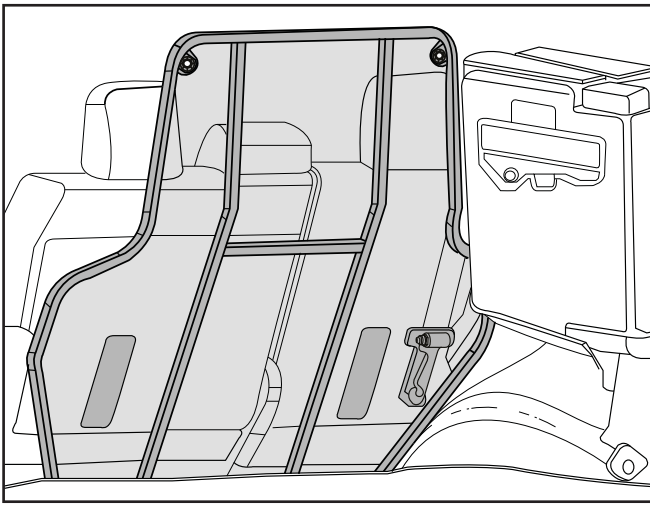
STEP 24



Replace all previously removed trim and lower seat belt fasteners.

TORQUE: 42Nm (Seatbelt anchorage bolts)

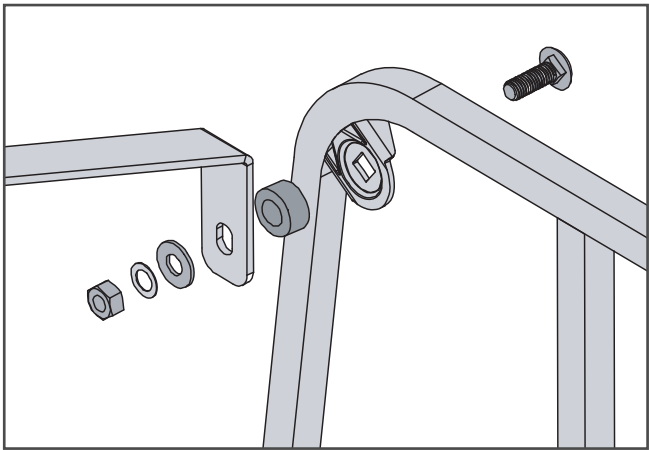
STEP 25



Install barrier through the rear vehicle.

Position barrier so that it sits just behind the 2nd row seats when in there down position

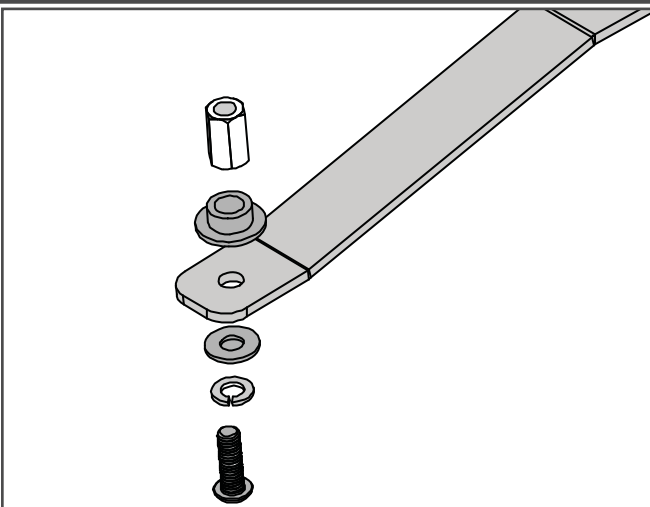
STEP 26



Fasten the rear top straps to the barrier using the M10 coach bolt, spacer, flat washer, M10 wave washer and M10 hex nut.

Hand tightening M10 nut at this stage.

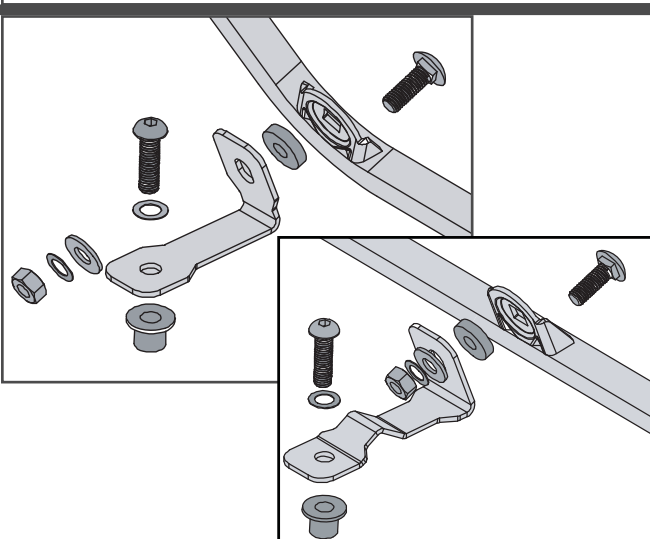
STEP 27



Fasten the rearward end of the top strap to the pre installed mounting points using the 7mm plastic bush, M8 flat washer, M8 spring washer and the M8X25mm Button Head Bolt

TORQUE: M8: 18Nm

STEP 28



Fasten the lower straps to the barrier using the M10 flat washer, M10 wave washer and M10 hex nut.

Fasten the lower strap to the pre installed mounting points using the 14mm plastic bush, M10 wave washer and the M10X35mm Button Head Bolt

TORQUE: M10 Button Heads x 3: 35Nm
M10 Hex Nut x 5: 44Nm