MG S5 EV CARGO BARRIER
FITTING INSTRUCTION
Part #41417R



VEHICLE TYPE: SUV

MODEL YEAR: 2025

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General Notes

- Read through the fitting instructions before installation of the accessory. Install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- It is always recommended that this accessory is fitted by a qualified Technician.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using suitable automotive rust inhibitor.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.

Safety Notes

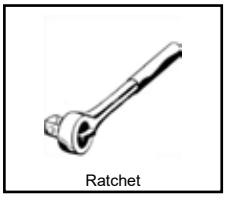
- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.

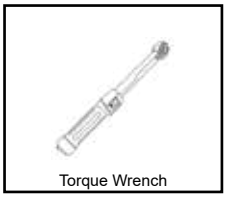


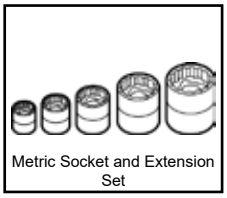
Fitting Time

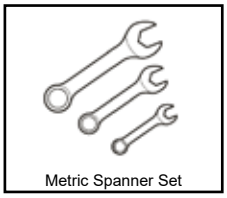
Est. 60 minutes

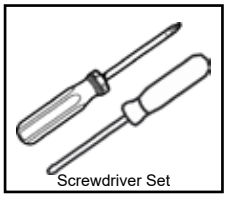
Tools

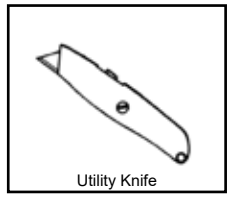

Ratchet

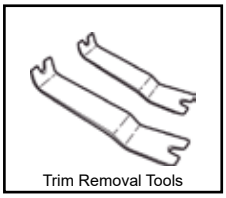

Torque Wrench

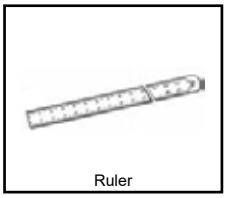

Metric Socket and Extension Set

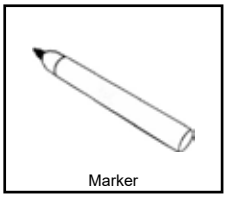

Metric Spanner Set

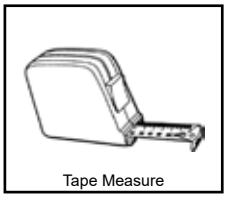

Screwdriver Set


Utility Knife

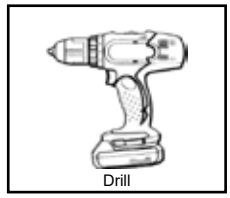

Trim Removal Tools


Ruler

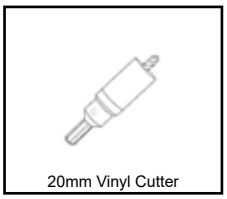

Marker

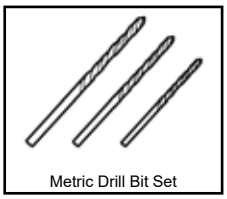

Tape Measure

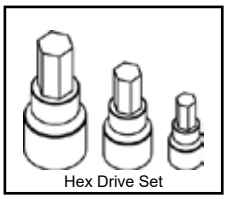

Masking Tape

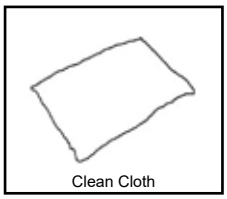

Drill

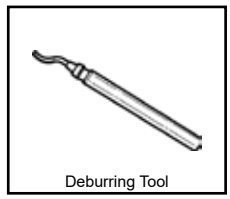

Vacuum Cleaner

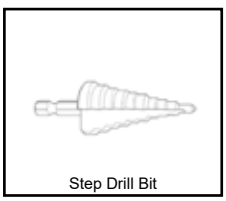

20mm Vinyl Cutter

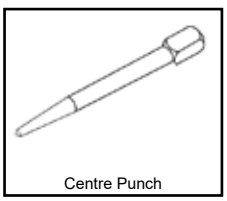

Metric Drill Bit Set

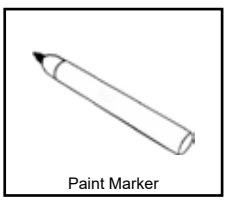

Hex Drive Set


Clean Cloth


Deburring Tool

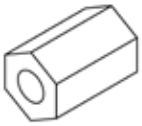
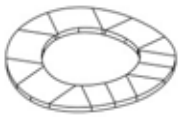
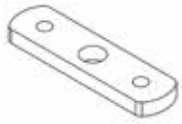
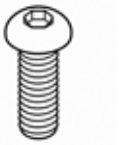
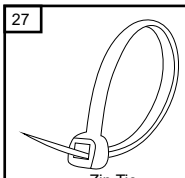
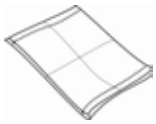

Step Drill Bit


Centre Punch


Paint Marker

MG S5 EV CARGO BARRIER
FITTING INSTRUCTION
Part #41417R

Parts

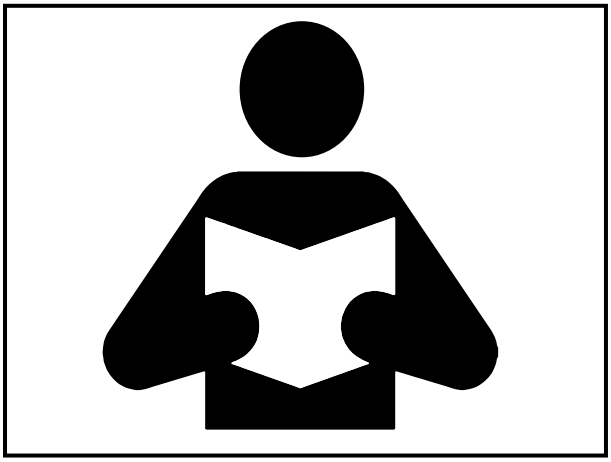
1 ×1  Cargo Barrier	2 ×1  Bottom Mounting Bracket LHS	3 ×1  Bottom Mounting Bracket RHS	4 ×2  Top Bracket	5 ×2  Top Strap	6 ×2  Bottom Strap
7 ×2  M8 x 40mm Hex Bolt	8 ×6  M8 x 25mm Washer	9 ×4  Hex Spacer	10 ×4  M8 x 17mm Washer	11 ×4  M8 x 12mm Button Head Screw	12 ×4  M10 x 20mm Hex Bolt
13 ×4  M10 Hex Head Nut	14 ×4  Pivot Saddle	15 ×4  Pivot Saddle Bush	16 ×2  Trim Garnish	17 ×2  Trim Garnish Spacer	18 ×2  M10 x 44mm Milbolt
19 ×4  Wave Washer	20 ×2  Tube spacer	21 ×2  Lower Plate	22 ×2  M10 x 25mm Button Head Screw	23 ×2  M10 Washer	24 ×4  M6 x 16mm Button Head Screw
25 ×4  M6 Washer	26 ×1  Warning Label	27 ×2  Zip Tie	28 ×1  Automotive Rust Inhibitor	29 ×2  Marking Pin	30 ×2  M10 x 24mm Milbolt
31 ×1  User Instructions					

Step 1

Read through the fitting instructions before installing the accessory.

Install the accessory following the fitting instructions.

Failure to do so may cause damage to the vehicle or the accessory.



Important

Always refer to the vehicle's Workshop Manual when removing vehicle components.

Step 2

Gain access to the cargo area of the vehicle.

Remove the cargo blind if fitted.

Lift the lid of the cargo area storage compartment to access the storage compartment and mounting location.





Step 3

Remove all items from the storage compartment.



Step 4

Lift the section of carpet to access the emergency tool kit.

Remove the 2 x highlighted plastic nuts by hand.

Store the tool kit safely.





Step 5

Gently pull the tailgate trim upwards to release the trim clips.

Use trim removal tool if required.

Remove the tailgate trim.

Tools Used
- Trim Removal Tools



Step 6

Remove the lower section of the rear seats by pulling the seat base upwards.

Disconnect the seat base wiring connector as shown (On both sides)





Important

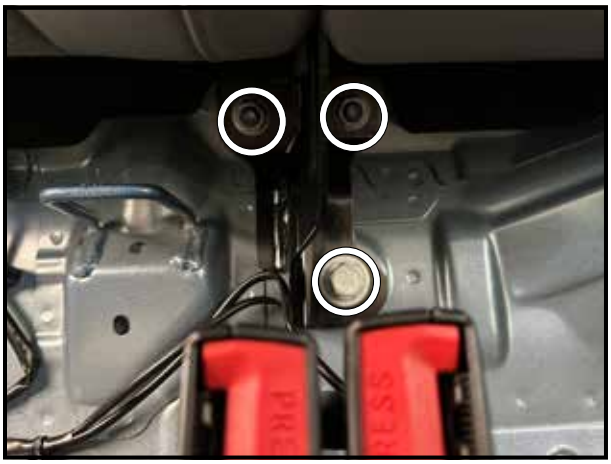
Always refer to the vehicle's Workshop Manual when removing vehicle components.



Step 7

Remove the 1 x Hex bolt and 2 x nuts using a 15mm socket that holds the top section of the rear passenger seats.





Tools Used
- Ratchet
- 15mm Socket

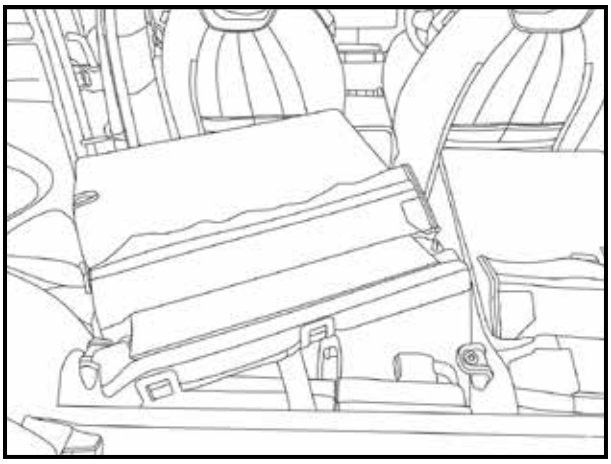
Step 8

Fold the second row seats by pulling the release lever.

Remove the detached seats from the working area.

Keep them behind the first row seats so that the seat belt doesn't have to be detached.





Step 9

On the driver's side, remove 4 x trim clips using a trim removal tool.

Repeat the step on the passenger's side.





Tools Used
- Trim Removal Tools

Step 10

Remove the middle trim from the vehicle.



Step 11

On the passenger's side, remove the 3 x M8 bolt using a 10mm socket.

Remove the floor support trim and store it in a safe place.

Remove the floor carpet and store it in a safe place.







Tools Used
- Ratchet
- 10mm Socket

Step 12

Using a trim removal tool, carefully remove the bottom side trim on the passenger's side by pulling it out.

Disconnect the lighting connector before completely removing the trim panel.





Tools Used
- Trim Removal Tools
- Flat Head Screwdriver

Step 13

Using a trim removal tool, remove the top trim.

Repeat steps 11-13 on Driver's side.





Tools Used
- Trim Removal Tools

Step 14

Using a trim removal tool release the trim plugs holding the roof liner.





Tools Used
- Trim Removal Tools

Step 15

Working on one tailgate hinge at a time undo and remove one (Outer) of the two hex nuts.

Important

Do not remove the 2nd (inner) hex nut securing the tailgate hinge.



Tools Used
- Ratchet
- 13mm Socket

Step 16

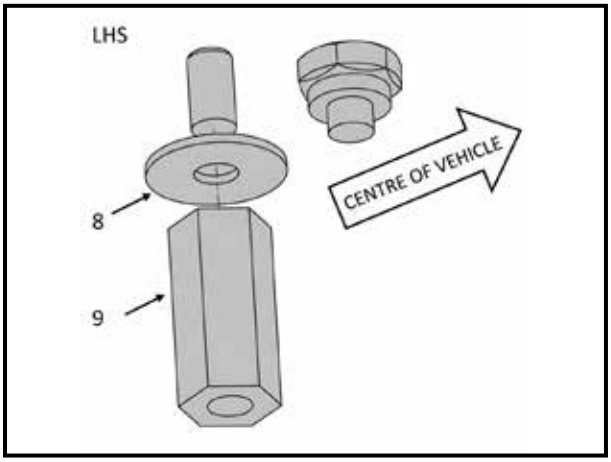
Screw a threaded hex spacer (9) with 1 x M8 x 25mm flat washer (8) under the hex spacer onto the stud.

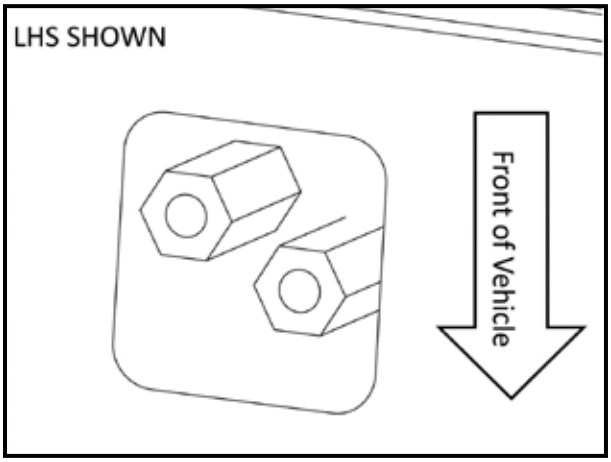
Tighten & torque up the hex spacer to 22Nm.

Repeat the process for the hex nut nearest to the centre of the vehicle.

Repeat the same on the RHS.

Tools Used
- Torque Wrench
- 13mm Socket
- 16mm Socket





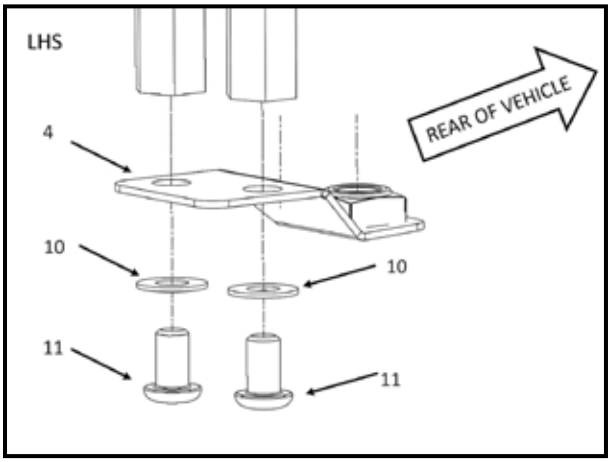
Step 17

Mount the top bracket (4) provided to the hex spacer using 2 x M8 x 12mm button head screw (11) with 2 x M8 x 17mm flat washer (10).

Torque the screws to 22Nm.

Repeat the process for RHS.

Tools Used
- Torque Wrench
- 5mm Hex Driver Bit

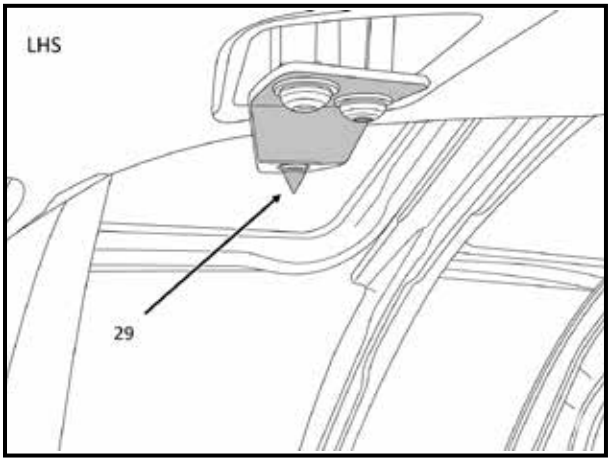


Step 18

On the passenger's side, install the supplied marking pin (29) on the roof bracket leaving approximately 10-15mm exposed.

Repeat the same on the driver's side.





Step 19

On passenger's side, affix masking tape to the cabin side of the roof lining at the approximate location of the marking pins installed on the upper mounting brackets.



Tools Used
- Masking Tape

Step 20

Apply pressure to the roof lining at the marking pin locations until the tip can be seen on the cabin side of the roof lining. Mark this location if required.

Remove the marking pin.

Repeat steps 19-20 for driver's side.



Tools Used
- Marker

Step 21

At the marked location carefully drill a 5mm pilot hole through the roof lining. Use of a drill stop is recommended.

Using a 20mm vinyl cutter enlarge the pilot holes through the roof lining.

Repeat for the driver's side



Tools Used
- Drill
- 5mm Drill Bit
- 20mm Vinyl Cutter

Step 22

On the passenger's side, insert a Trim Garnish (16) into the 20mm hole in the trim with the cover positioned towards the side of the vehicle.

Using a small screwdriver or similar, push the trim plugs retention legs outwards to engage them in behind the roof trim.



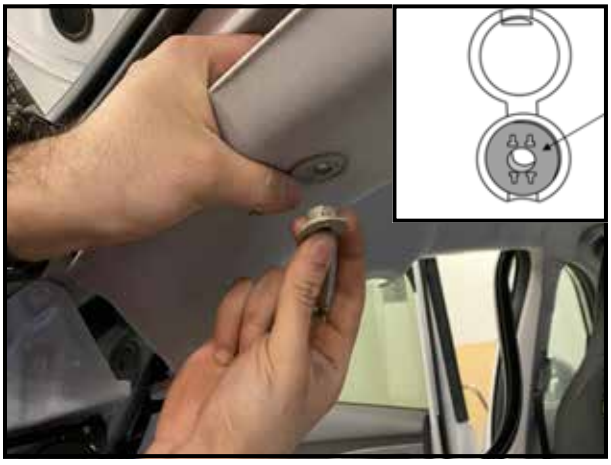
Tools Used
- Flat Head Screwdriver

Step 23

Push a Trim Garnish Spacer (17) into the centre of the trim plug base until it clips in place flush.

Repeat steps 22-23 for driver's side.

Upon completion clean up and reinstall the roof lining.





Step 24

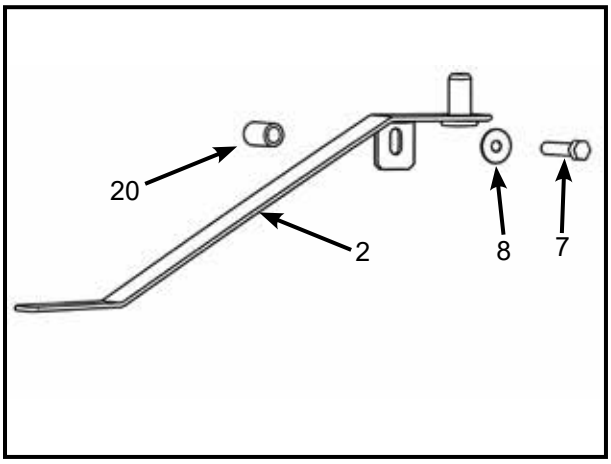
Familiarise with the floor area near the wheel arch area on both sides for installing the bottom brackets.



Step 25

On the passenger's side, mount the bottom mounting bracket passenger's side (2) provided using 1 x M8 x 40mm Hex head Bolt (7) and 1 x M8 x 25mm Flat Washer (8).

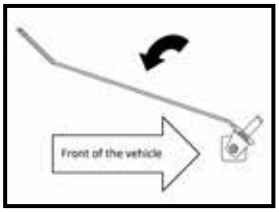
Hand-tighten the bolt.



Step 26

Flip the bracket towards rear of the vehicle.

Affix masking tape on approximate location where the base of the bracket lands.



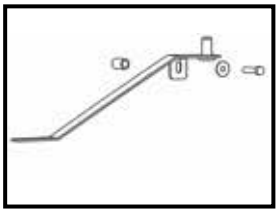


Step 27

Using a marking pen transfer the positions of all three holes size to the masking tape.

After marking the holes, remove the bottom bracket and keep it aside along with the fasteners.





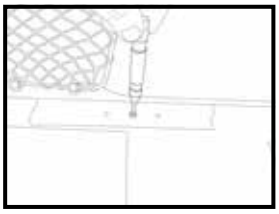
Tools Used
- Marker

Step 28

Mark the centre of the holes using a marker.

Mark the centre of the holes using a centre punch.





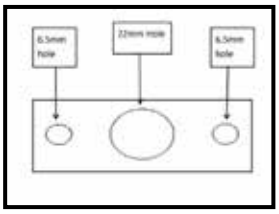
Tools Used
- Marker
- Centre Punch

Step 29

Pilot drill the holes with a 5mm drill bit first and then drill the holes using a step drill.

Drill the first and third holes size to 6.5mm and the centre hole to 22mm.





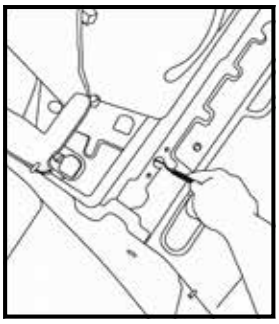
Tools Used
- Drill
- 5mm Drill Bit
- Step Drill Bit

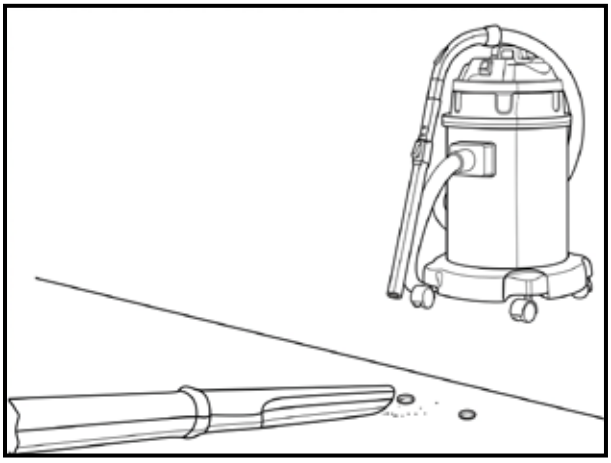
Step 30

Deburr the holes using a deburring tool.

Remove all the masking tape after drilling.

Vacuum away all drilling swarf.



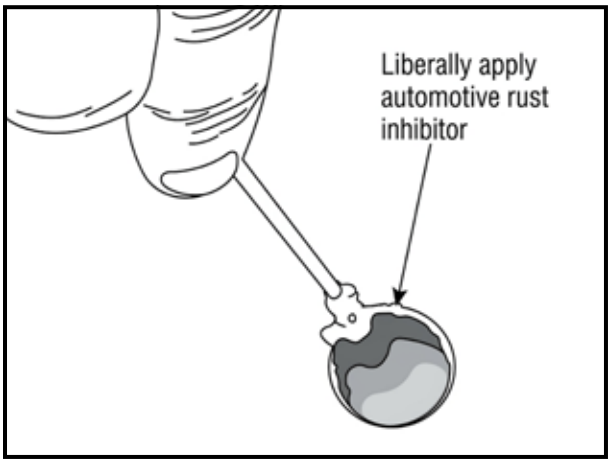


Tools Used
- Deburring Tool
- Vacuum Cleaner

Step 31

Apply automotive rust inhibitor (28) to the raw edges of all the drilled holes in the metal panel using a small screwdriver.

Repeat steps 25-31 on driver's side.



Tools Used
- Small Screwdriver

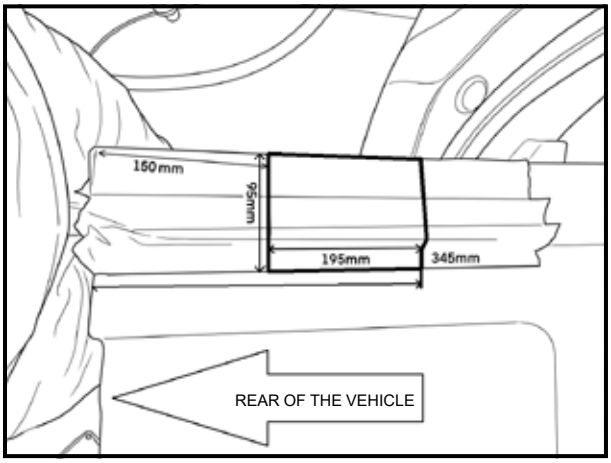
Step 32

On passenger's side, affix the masking tape on the approximate location where it needs to be trimmed on the trunk floor liner.

Transfer the measurements shown on the image to the masking tape from the rear end of the floor liner.

Using a multi-tool remove the marked area.

Repeat this step on the driver's side of the floor liner.

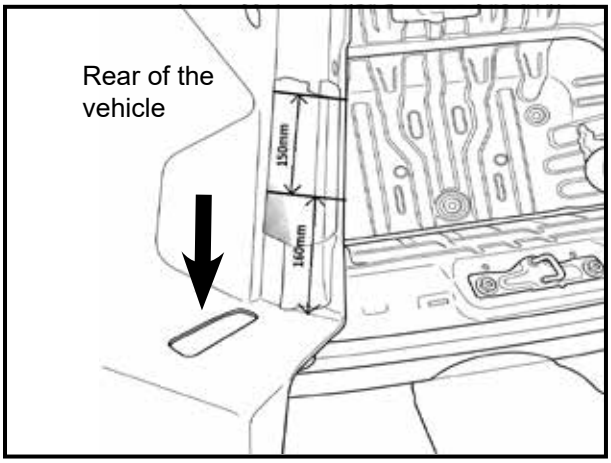


Tools Used
- Multi-tool
- Ruler
- Marker

Step 33

On passenger's side bottom trim, affix masking tape on the approximate location as per the dimension provided in the image.

Keeping the ruler close to the trim rear edge of the trim, draw a straight line at 160mm and 310mm from the side edge of the trim to the inside bend of the trim.

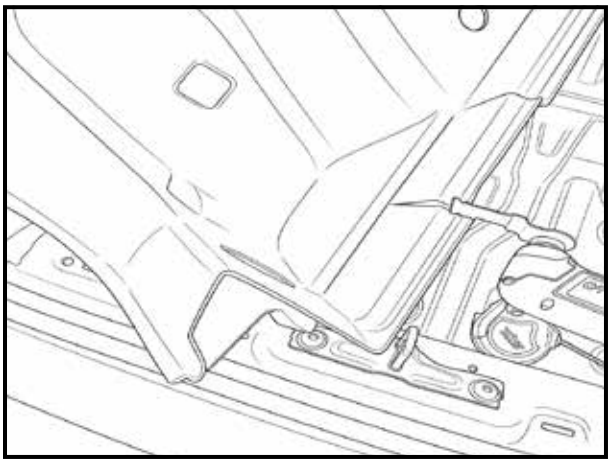


Tools Used
- Ruler
- Marker

Step 34

Using a multi-tool, straight cut the lines drawn on the trims so that the trim acts as a flap when reattached.

Repeat the steps 33-34 on the driver's side.



Tools Used
- Multi-tool

Step 35

Using a multi-tool, remove the marked portion of the trim from the back side of the floor support trim on both passenger's and driver's side.





Tools Used
- Multi-tool

Step 36

Flip the passenger's side floor support trim to access the front face of the trim (rest the trim on a table).

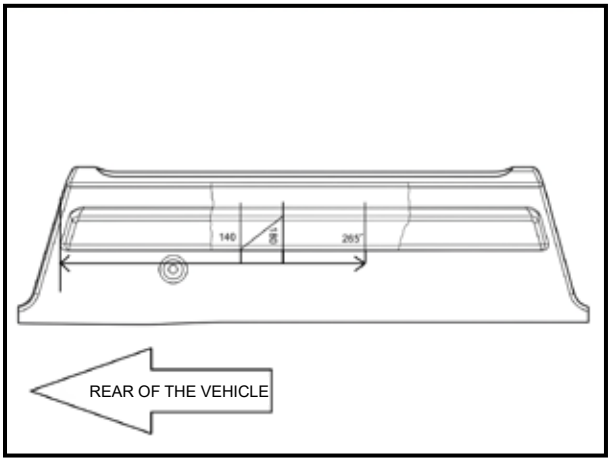
Using the dimensions provided in the image, affix masking tape on the approximate location of the rail on the trim in which the floor board slides through.

Draw a straight line at 140mm, 180mm and 265mm.

Draw a line from the bottom of 140mm to the top point of 180mm.

Extend the straight lines to both sides of the trim rails.

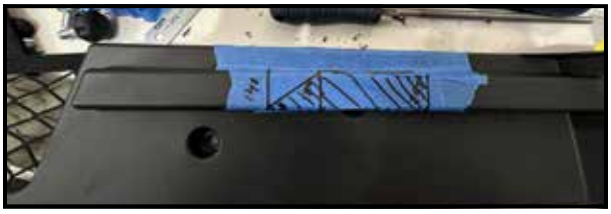
Join the top end of 180mm line to 265mm line and bottom of 140mm line to 265mm line.









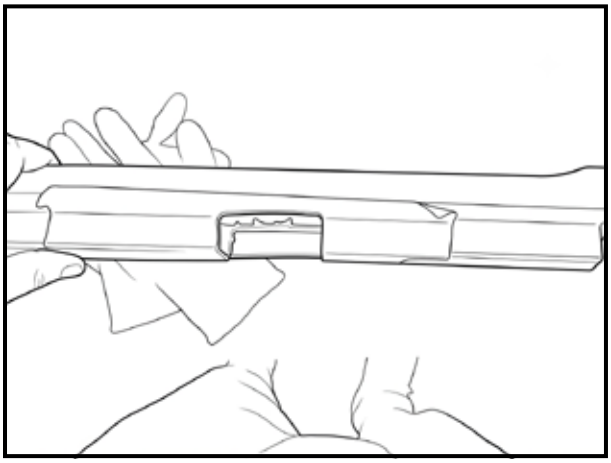


Tools Used
- Masking Tape
- Marker
- Ruler

Step 37

Using a multi-tool, remove the marked area.

Repeat the steps 36-37 on driver's side trim.



Tools Used
- Multi-tool

Step 38

Reinstall the trunk floor liner.

Reinstall the seats in the vehicle.

Reinstall all the removed trims back to the vehicle.

Recline the seats to the first recline position as shown in the image.



Step 39

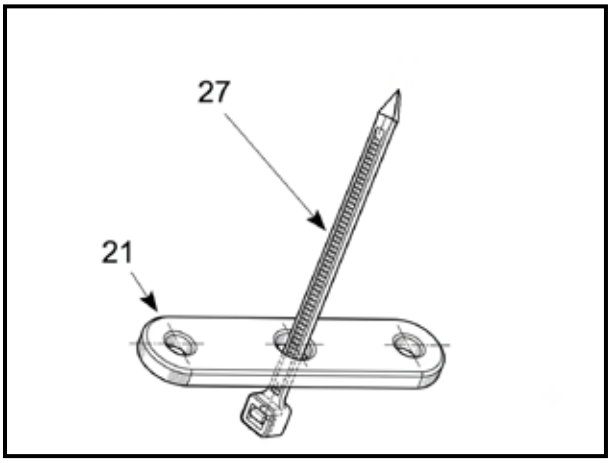
On passenger's side, reinstall the top mounting of bottom bracket LHS (2) by following the step 25.

Hand-tighten the bolt.



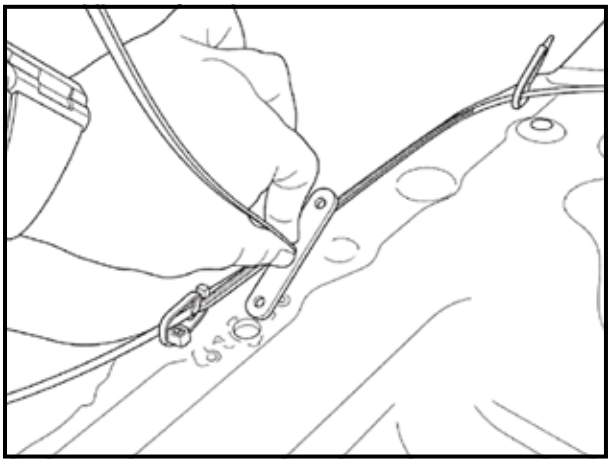
Step 40

Place a lower bracket (21) over a zip tie (27) as shown.



Step 41

On passenger's side, feed the anchor plate (21) and zip tie (27) assembly through the centre 22mm hole, then pull up on the zip tie to align the mounting plate with drilled holes.

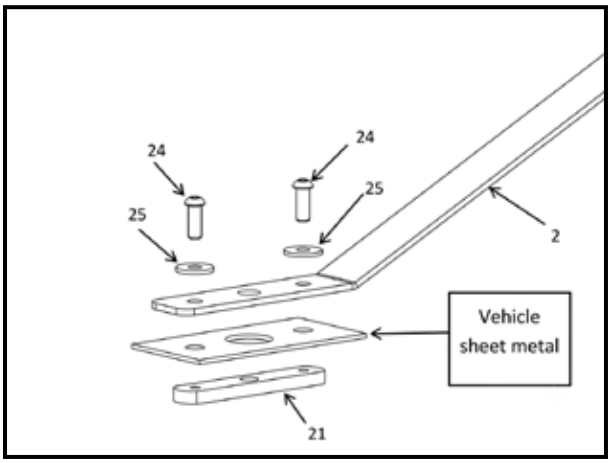


Step 42

Secure the anchor plate (21) using 2 x M6 x 16mm button head screws (24) and 2 x M6 washers (25).

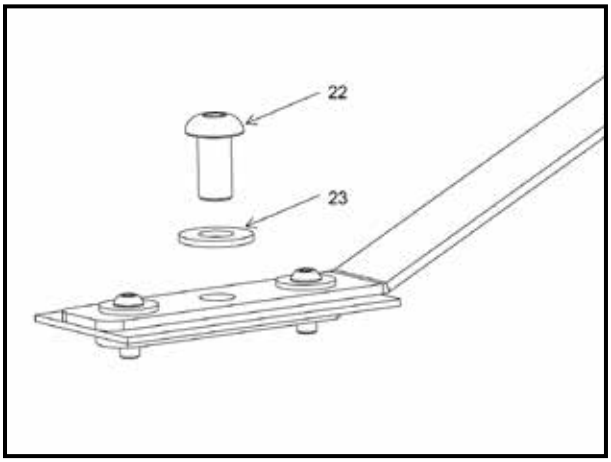
Finger tighten all fasteners.

Pull out the zip tie by breaking the head of the zip tie.



Step 43

Secure the Bottom mounting bracket LHS (2) with 1 x M10 x 25mm Button Head Screw (22) and 1 x M10 Washer (23) beneath the head.



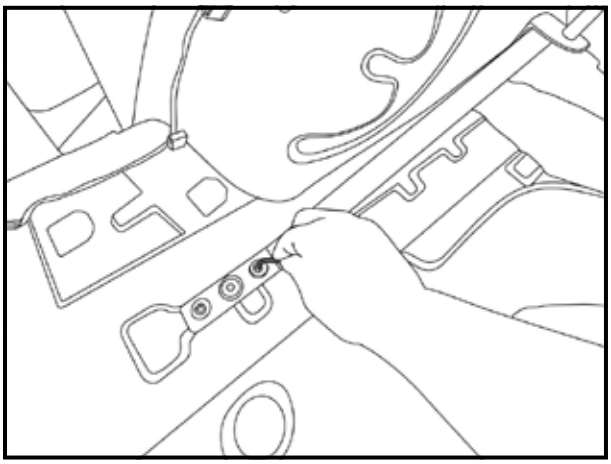
Step 44

Torque 2 x M6 x 16 mm Button head screws (24) to 10Nm.

Torque 1 x M10 x 20 mm Button head screw (22) to 30Nm.

Torque 1 x M8 x 40 mm Hex Bolt (7) to 22Nm.

Repeat steps 39-44 on the driver's side.



Tools Used
- Torque Wrench
- 13mm Socket
- 4mm Hex Bit
- 6mm Hex Bit

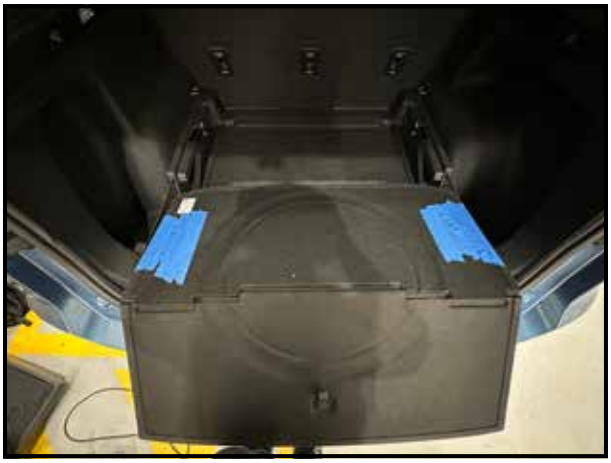
Step 45

Insert marking pins (29) into both bottom mount brackets with approximately 8mm protruding.



Step 46

On the back of cargo floor board, affix the masking tape on the approximate location where the holes will be.



Tools Used
- Masking Tape

Step 47

Align the cargo floor board to its original location.

Apply pressure to the cargo floor at the marking pin location until the point can be seen on the masking tape.
Mark this location if required.

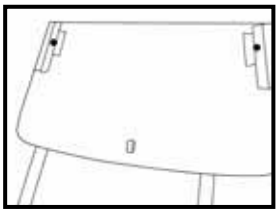


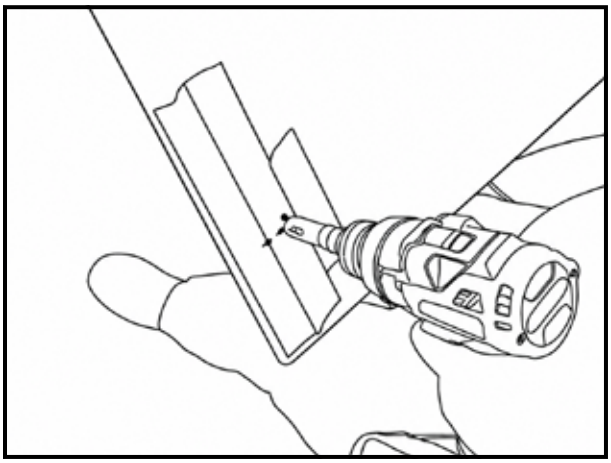


Step 48

Drill a hole using 19mm hole saw keeping the marked location as the centre on both sides.

Remove all the masking tape after drilling.



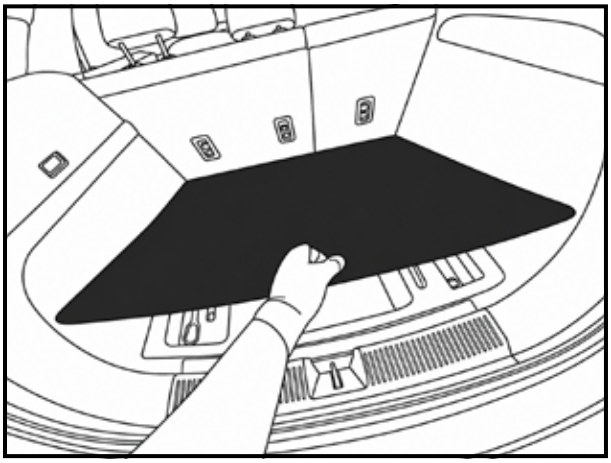


Tools Used
- Drill
- 19mm Hole Saw

Step 49

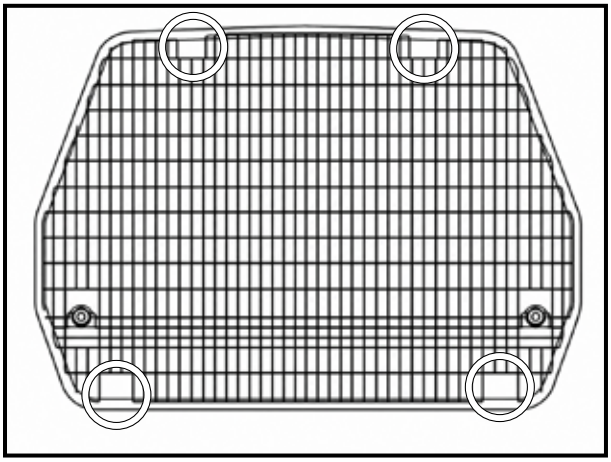
Reinstall the emergency tool kit.

Reinstall the cargo floor.



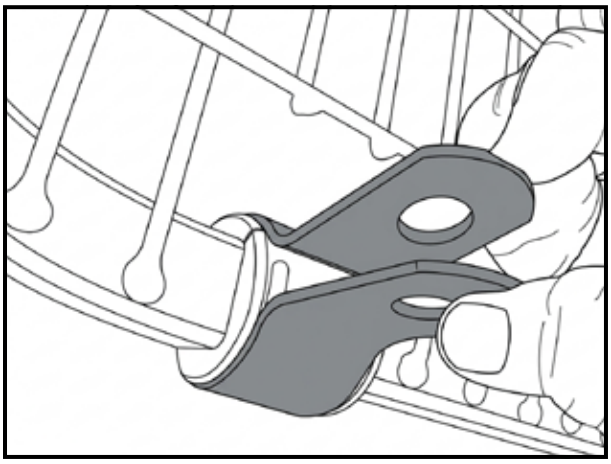
Step 50

At each of the highlighted cut outs in the mesh on the perimeter, place a pivot saddle bush (15).



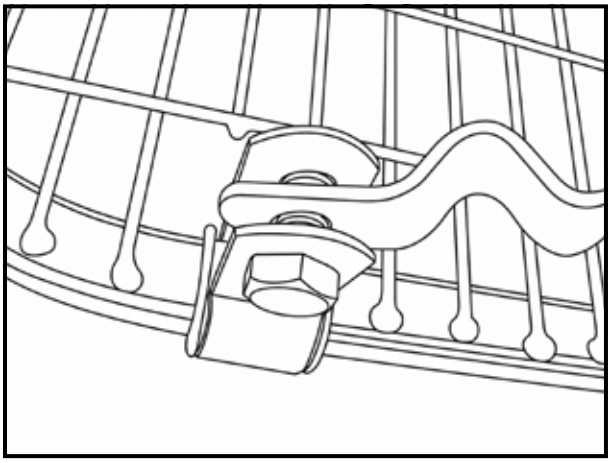
Step 51

Place a Pivot Saddle (14) over each of the Pivot Saddle Bushes then push the ends together.



Step 52

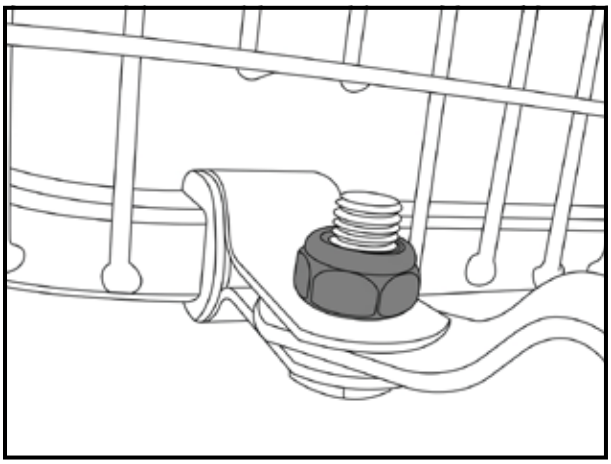
Place the bottom strap (6) between the LHS pivot saddle ends then place a M10 x 1.5 x 20mm Hex Head Bolt (12) through the saddle and strap.



Step 53

Place a M10 Hex Head Nyloc Nut (13) onto the Hex Screw then tighten until the strap is firm in the saddle but can still be pivoted.

Repeat steps 52-53 on the RHS bottom strap.

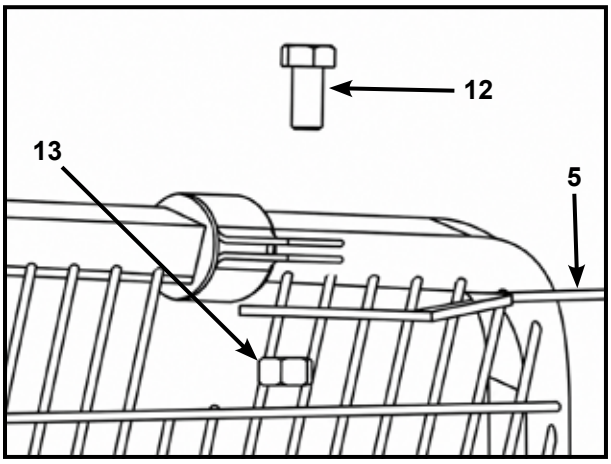


Tools Used
- Ratchet
- 16mm Socket
- 17mm Spanner

Step 54

Place a M10 Hex Head Nyloc Nut (13) onto the M10 x 1.5 x 20mm Hex Head Bolt (12) then tighten until the top strap (5) is firm in the saddle but can still be pivoted.

Repeat the step for RHS.

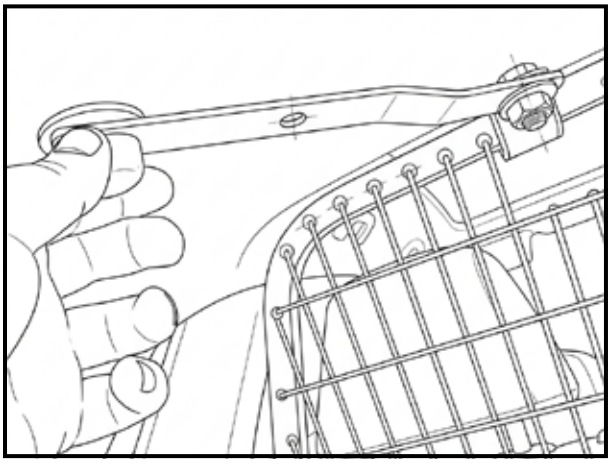


Tools Used
- Ratchet
- 16mm Socket
- 17mm Spanner

Step 55

Secure the top strap to the top mount using 1 x M10 x 24mm Milbolts (32) and 1 x wave washers (19) supplied and torque it to approximately 1-2 Nm.

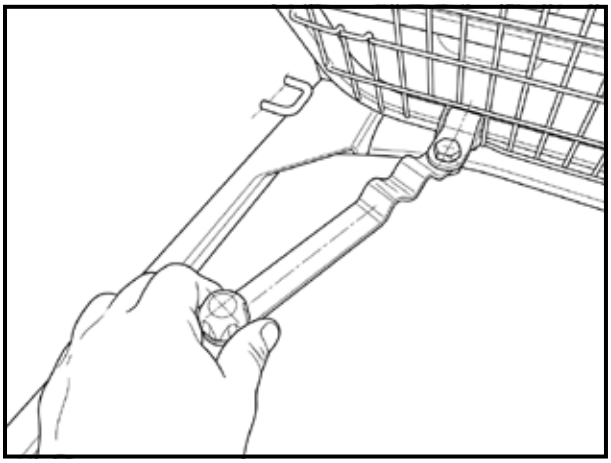
Repeat the step for RHS.



Step 56

Secure the bottom strap (6) to the bottom mount using 1 x M10 x 44mm Milbolt (18) and 1 x wave washers (19) supplied and torque it to approximately 1-2 Nm.

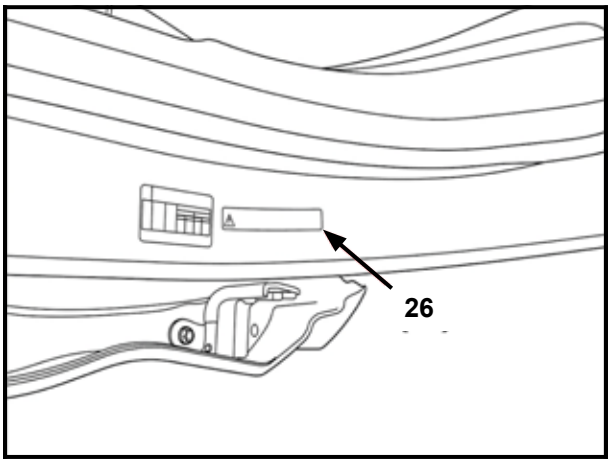
Repeat the step for RHS.



Step 57

On the inside of the driver's door opening clean the area shown using a clean cloth.

Adhere the orange Warning Label (26) in the location shown.

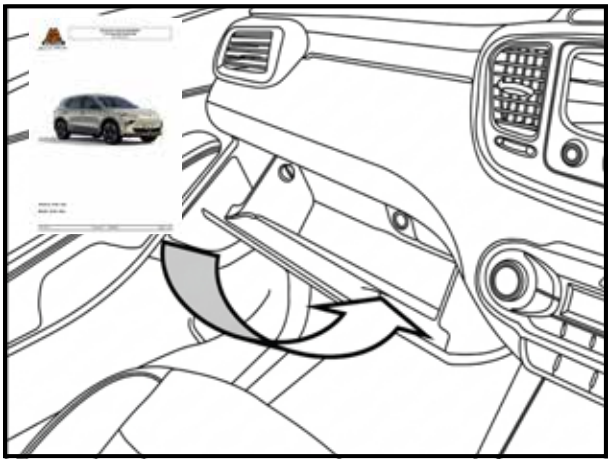


Tools Used
- Clean Cloth

Step 58

Important

Please place User Instructions in the glove box after installation is completed.



Step 59

The cargo barrier installation is now complete.

