



TOYOTA FORTUNER SUV CARGO BARRIER INSTALLATION INSTRUCTION Part # 609700

VEHICLE YEARS OF MANUFACTURE - From Aug. 2015 (Oct. Release)



This Cargo Barrier is capable of being located in two positions*, behind the 2nd row of seats in their normal upright position, and behind the 1st row of seats with the 2nd row of seats in their half folded position. The cargo barrier must be removed if the 3rd row seats are to be used. The installation kit contains sufficient components for fitment to the behind 2nd row seats position only. A high degree of technical competence is necessary to correctly install this product.

We recommend this cargo barrier be installed by an authorised outlet to ensure the barrier installation complies with AS/NZS 4034 Standard.

The cargo barrier is designed, manufactured and fitted to decrease the impact hazard in an accident to occupants from cargo carried within the interior cargo space of the vehicle. In the event of an accident, a cargo barrier can reduce injuries caused by cargo intruding into occupant's space.

Installation time approximately 1.5 Hours

*Front position kit P/N 609702 is required to install the cargo barrier behind the 1st row seats

"The estimated fitting time is based on an experienced fitter conversant with the fitment procedure"



WARNINGS

- Strict compliance with fitting instructions is essential for this safety product to meet its rated capacity. Refer user instructions regarding correct usage of the cargo barrier.
- Do not modify cargo barrier in any way.
- Do not use this cargo barrier in any other vehicle for which it is not designed.
- Modifications to the cargo barrier or its fixings or use in any other vehicle for which it is not designed may void the load rating and warranty.
- Do not attach the cargo barrier to the vehicle using seat, seat belt or child restraint anchorage's.
- Where high tensile threaded fasteners are used, the cargo barrier must be installed using the size and grade fasteners specified by Milford Industries.
- Do not drill, rivet, adhere or attach objects to the front or rear of the cargo barrier.
- 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.
- Position the load against the cargo barrier.
- When load is positioned against cargo barrier, secure the load with a restraint system.
- During a collision moving cargo may damage seat belts or tether straps of a child restraint device, or its anchorage. Load should be carefully positioned so as not to come in contact with these items.
- Do not obstruct seat belts or child restraints, or their operation.
- Long thin items of cargo should be positioned in the vehicle with the long axis across the vehicle to minimise the penetration risk.
- If involved in an accident or accidentally damaged, the cargo barrier should be replaced and the anchorage's repaired to as new condition.
- Clean with soap and water only. Do not use solvents or chemicals. Discard cargo barrier if it becomes rusted. Do not expose to direct sunlight for long periods.
- It is extremely dangerous to ride in the cargo area of the vehicle behind the cargo barrier. It is recommended that the cargo barrier be removed. In a collision people or children riding unrestrained in these areas are more likely to be seriously injured or killed.
- Never leave a child in the vehicle unattended, particularly in the rear cargo area. The cargo area should never be used as a play area for children.
- The cargo barrier may deform and significantly intrude into occupant's space in an accident.
- Remember that the tailgate cannot be opened from inside the cargo area.
- The fixed labeling should not be removed from the cargo barrier.
- Failure to comply with warning notes may prevent the barrier protecting the occupants.
- Parents should explain to children how and when to use **EMERGENCY ESCAPE HAMMER** attached to cargo barrier.
- Do not remove the rating plaque from the cargo barrier.
- Do not use cargo barrier in vehicles intended for motorsport.

NOTICE TO INSTALLERS & DISTRIBUTORS

Please ensure User Instructions are left with vehicle owner after installation.



TOYOTA FORTUNER SUV CARGO BARRIER INSTALLATION INSTRUCTION Part # 609700

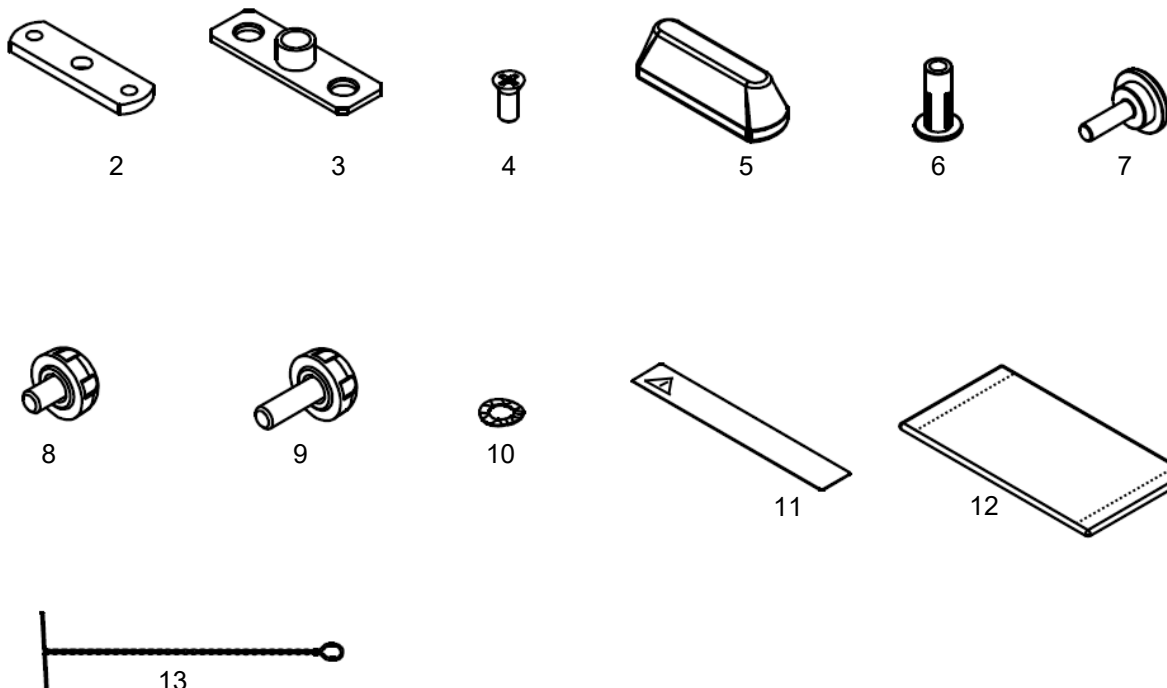
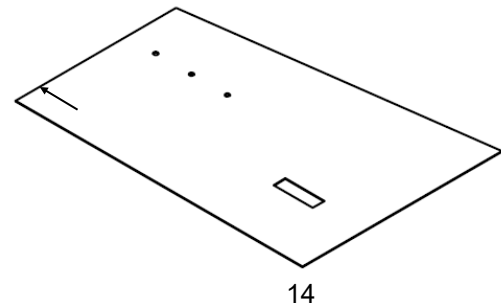
VEHICLE YEARS OF MANUFACTURE - From Aug. 2015 (Oct. Release)



IMPORTANT: The installation kit contains sufficient components to fit the cargo barrier. A high degree of technical competence is necessary to correctly install this product. We recommend this cargo barrier be installed by an authorised outlet to ensure the barrier installation is correct. These instructions must be read and clearly understood before commencing installation. Check contents of kit before commencing fitment and report any discrepancies or damage.

Parts List

Item	Component Name	Part No.	Qty
1	Cargo Barrier ASM (see page 11)	609700	1
2	Mounting Plate ZP	754000	2
3	Cover Plate ASM	754655	2
4	Screw - CSK, 5/16" BSW x 3/4" ZP	912903	4
5	Mounting Plate Seal (rubber)	904020	2
6	Threaded Insert (M8 x 1.25)	922290	2
7	Roof Mount Insert (M8 male x M10 female)	753043	2
8	Milbolt - M10 x 1.5 x 14mm	912816	2
9	Milbolt - M10 x 1.5 x 29mm	912830	2
10	Wave Washer - 10mm ZP	932125	4
11	Warning Label (orange)	905017	1
12	Rust Preventative Sealer (sachet)	906300	1
13	Installation Tool	754200	1
14	Floor Marking Template (card)	609709	1



E and OE—Errors and Omissions Excepted



ADVICE TO FITTER

Note: To fit the cargo barrier the following is essential: (where applicable)

- ☐ Always drill perpendicular to surface (Unless stated otherwise).
- ☐ A positive drill stop should always be used to prevent accidental damage to external panels, fuel lines etc.
- ☐ Ensure Safety Eye Protection and Gloves are worn as required when using cutting tools.
- ☐ When cutting metal panels be very careful of sharp edges, for risk of skin cuts etc.
- ☐ Care should be taken when applying Rust Preventative sealer to all holes drilled, to negate the possibility of skin and eye irritation.
- ☐ Check screws in relevant components by hand before installation. Should there be resistance re-tap threads and re-check.
- ☐ **Before marking or drilling to install this cargo barrier, check vehicle for LPG conversion & non standard fuel tanks. Locate tanks and all lines attached and take EXTREME CARE not to damage whilst installing this cargo barrier.**
- ☐ **Before drilling to install this cargo barrier, check for concealed wiring looms. E.g. tow bar, reversing camera, reversing sensor wiring etc.. Relocate before drilling to avoid damage.**

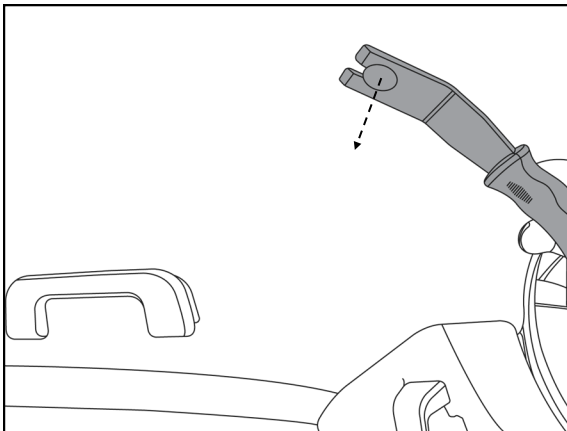
**CARE SHOULD BE TAKEN NOT TO CROSS THREAD THE FASTENERS DURING
INSTALLATION OF COMPONENTS TO THE VEHICLE.**

TOOLS REQUIRED

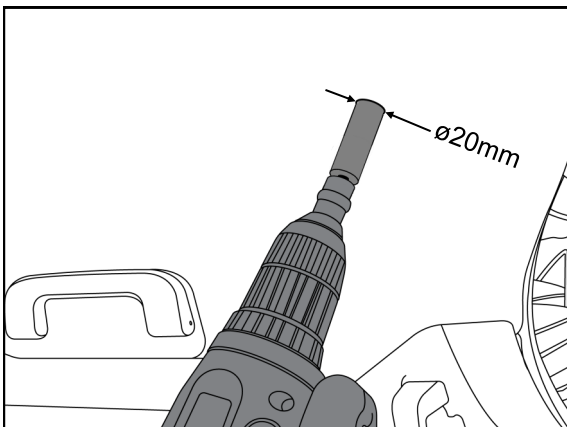
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|-------------------------------|--|
| • Trim removal tools | • 20mm Vinyl Cutter |
| • Threaded Insert Tool | • Hole De-Burring Tool |
| • Hammer | • #4 Phillips Driver Bit |
| • Screwdrivers | • Rust Preventative Applicator |
| • Power Drill | • Vacuum Cleaner |
| • Masking Tape | • Knife |
| • Marker Pen | • Cover sheet / Drop sheet |
| • Centre Punch | • High Strength Thread locker Fluid
(Loctite™ 268 or similar) |
| • 5mm, 9mm, 11.5mm Drill Bits | • Clean Rag |
| • Drill stop's | |
| • 22mm Hole Saw | |



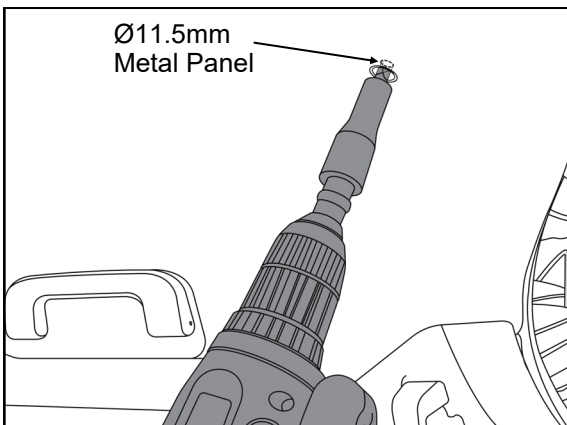
INSTALLATION PROCEDURE FOR UPPER MOUNTS



1. Remove the two trim plugs securing the roof lining above the cargo area.



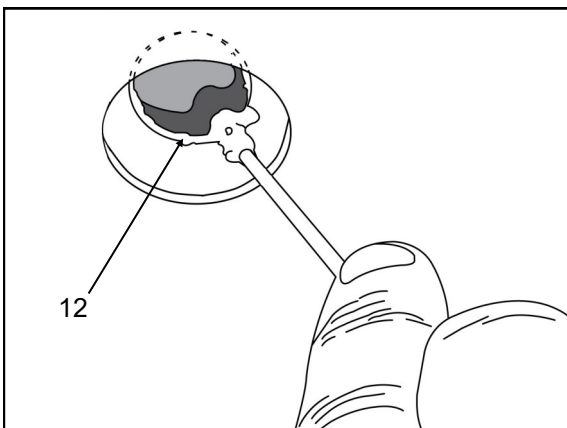
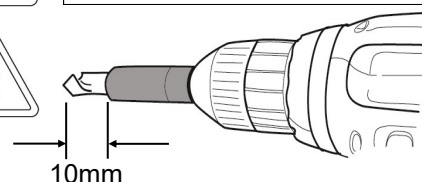
2. Using a 20mm vinyl cutter enlarge the hole in the roof lining at each of the trim plug holes.



3. Using an 11.5mm drill bit with a drill stop set a 10mm enlarge the trim plug holes.



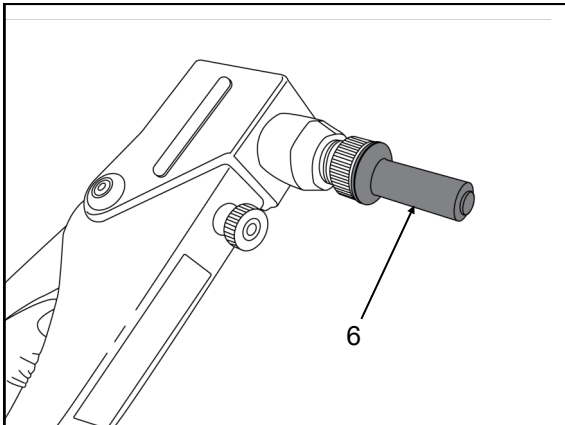
Note: Maximum drill size 11.5mm
Minimum drill size 11.1mm



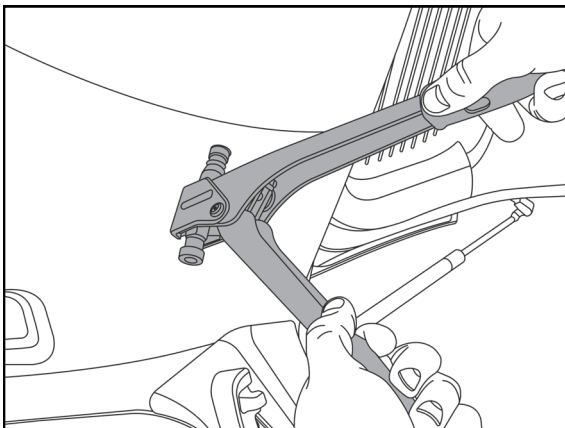
4. Deburr the drilled holes if necessary.
5. Vacuum away all drilling swarf.
6. Apply rust preventative sealer (12) to the raw edges of the drilled holes.



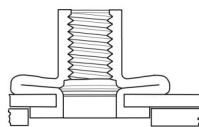
INSTALLATION PROCEDURE FOR UPPER MOUNTS - Cont'd



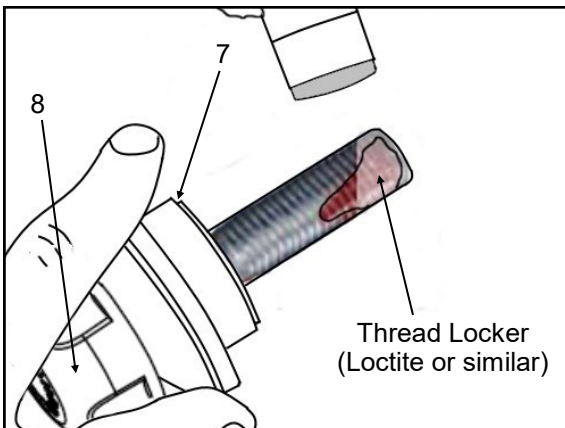
7. Screw a threaded insert (6) onto a suitable threaded insert tool.



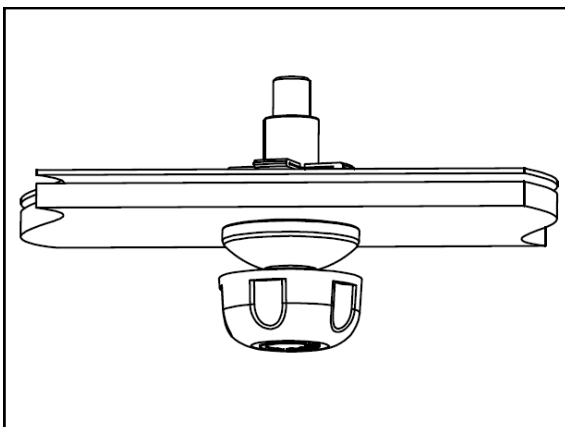
8. Push the threaded insert fully into one of the drilled holes in the roof.
9. Fully pull up the threaded insert to secure in place.
10. Repeat on the other side.



Cross section of threaded insert fully pulled up



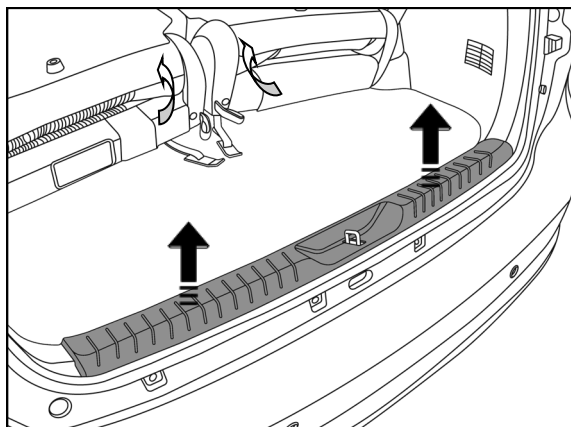
11. Screw a 14mm Milbolt (8) into each of the roof mount inserts (7).
12. Apply thread locker fluid to the M8 threads of the roof mount inserts (7).



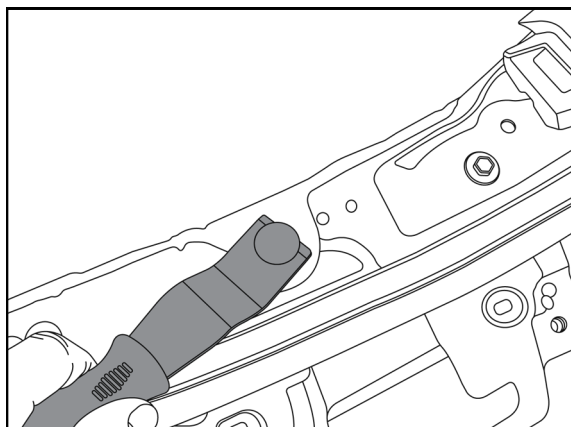
13. Screw the roof mount inserts fully into the threaded inserts fitted at steps 9 & 10. Finger tight only.
14. Leave the Milbolts in place while the thread locker cures.



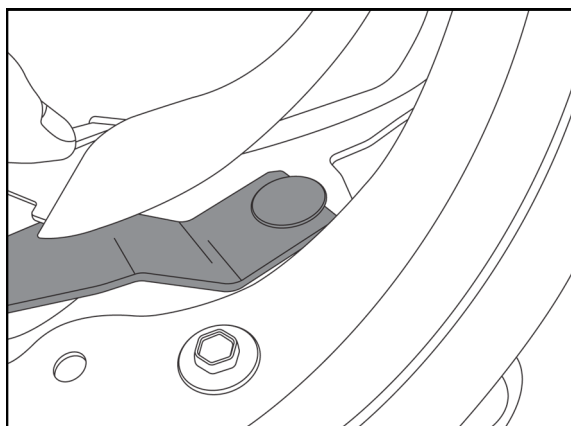
MARKING PROCEDURE FOR FLOOR MOUNTS



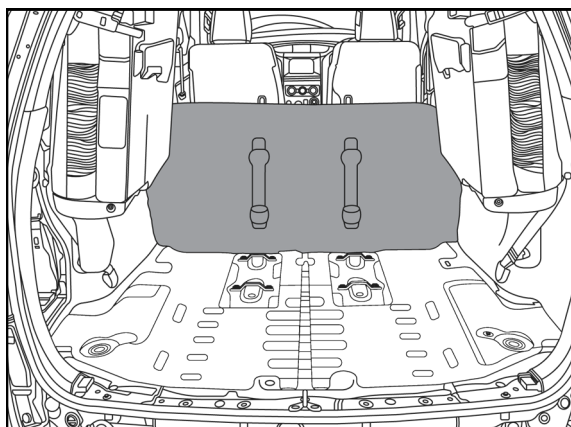
15. Lift up the 3rd row seats and secure if not already up.
16. Unclip the hard plastic bottom door opening trim by pulling upwards. Store in a safe place.



17. Remove the clips securing the floor covering underlay in place. 2x.



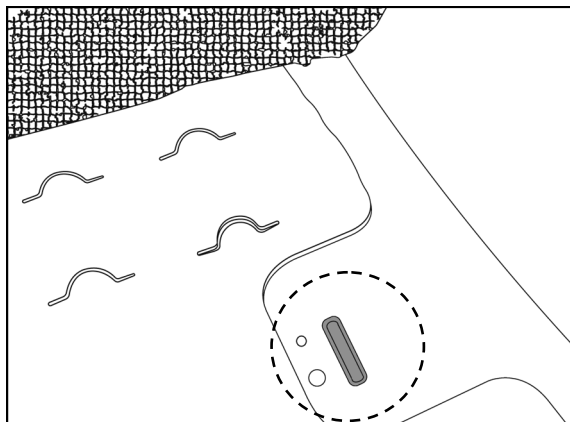
18. Remove the clips located behind the rear quarter trims which secure the floor covering in place. One each side.



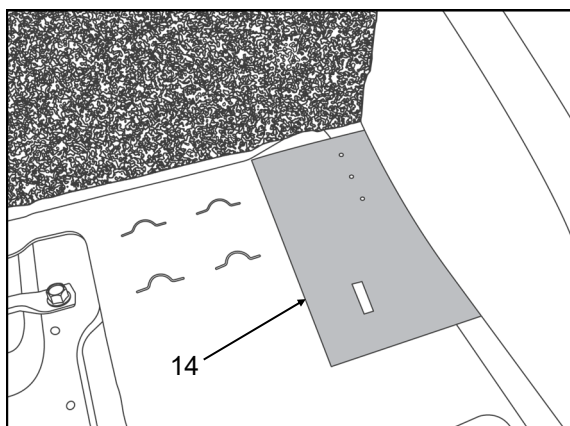
19. Pull the floor covering and underlay out from under the side trims then push it forward as shown to expose the metal floor.



MARKING PROCEDURE FOR FLOOR MOUNTS - Cont'd



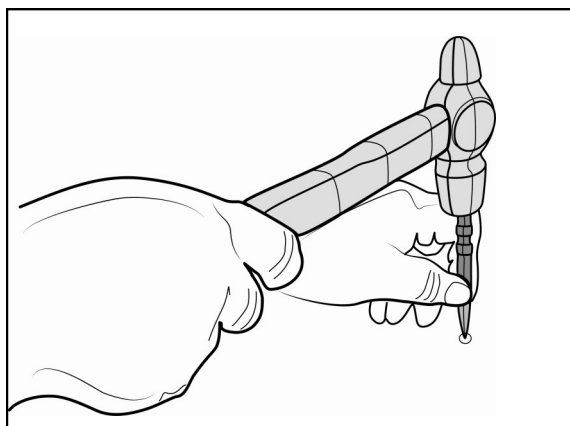
20. On the RHS at the front of the floor area locate the raised dimple in the metal floor panel.



21. Position the floor marking template (14) on the RHS as shown and instructed on the template. Use the floor dimple to accurately position the template.



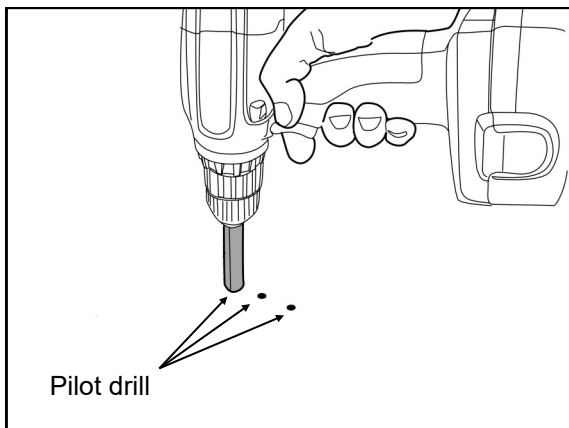
22. With the template in the correct position mark the mounting hole locations through the template onto the floor panel as shown.
 23. Reverse the template then repeat on the LHS.



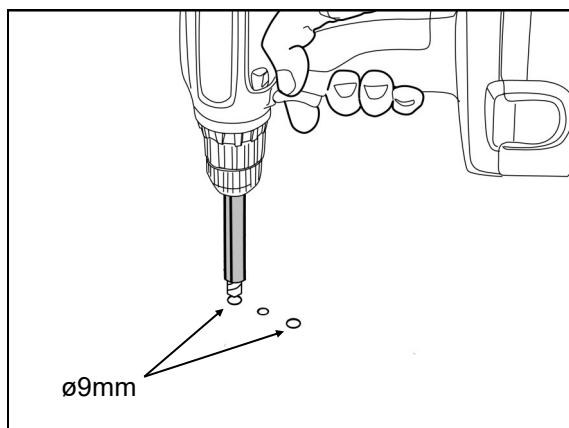
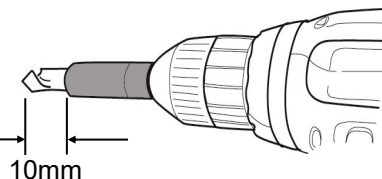
24. Centre punch the 6 marked locations on the floor panel.



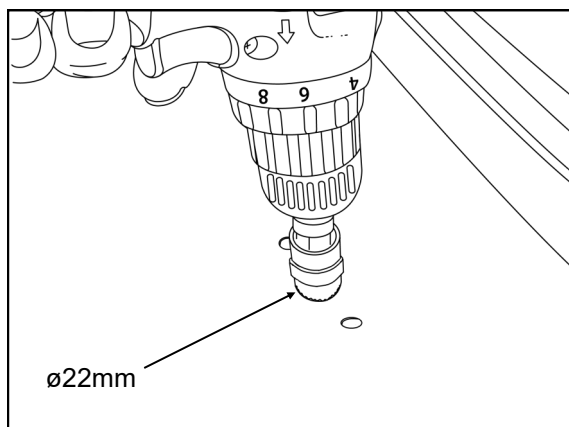
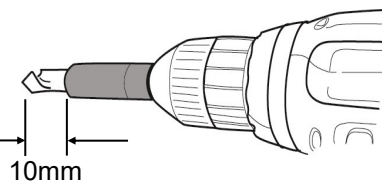
DRILLING PROCEDURE FOR FLOOR MOUNTS



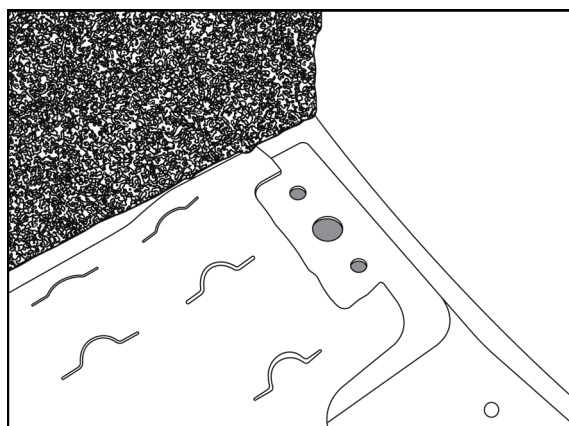
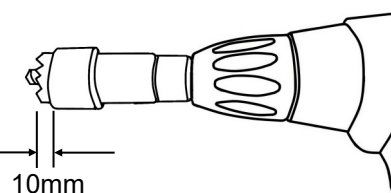
25. Using a 5mm drill bit with a drill stop set at 10mm, drill a pilot hole at each of the centre punched locations in the floor panel. 6 places.



26. Using a 9mm drill bit with a drill stop set at 10mm enlarge the outer holes only. 4 places.



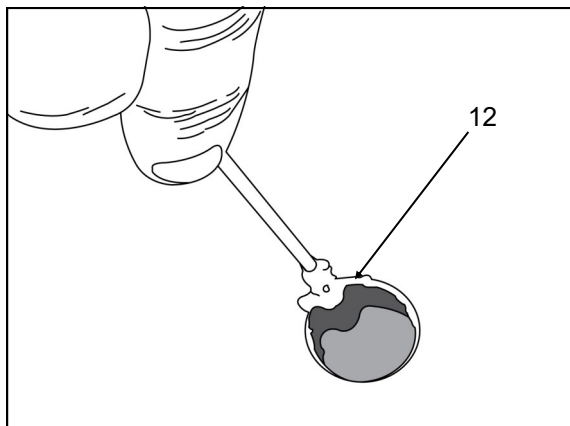
27. Using a 22mm hole saw with a drill stop set at 10mm enlarge the centre holes only. 2 places.



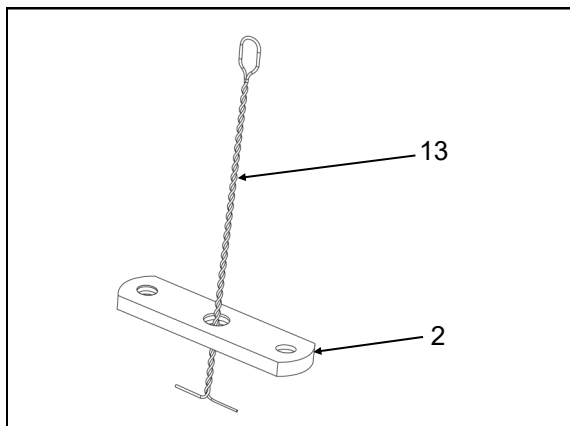
28. Cut away the sound deadening in the area around the drilled holes so as the cover plate ASM (2) is able to sit flat on the metal floor when the holes are aligned.



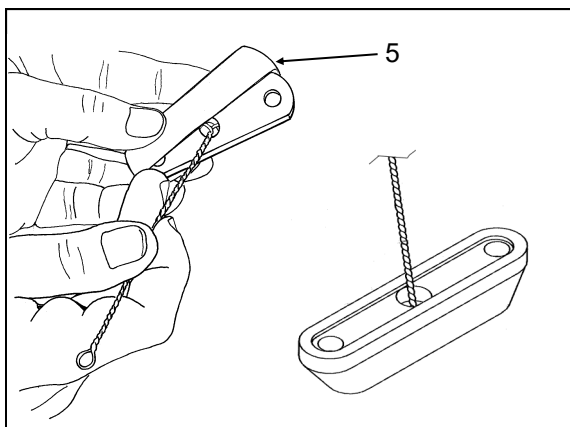
INSTALLATION PROCEDURE FOR FLOOR MOUNTS



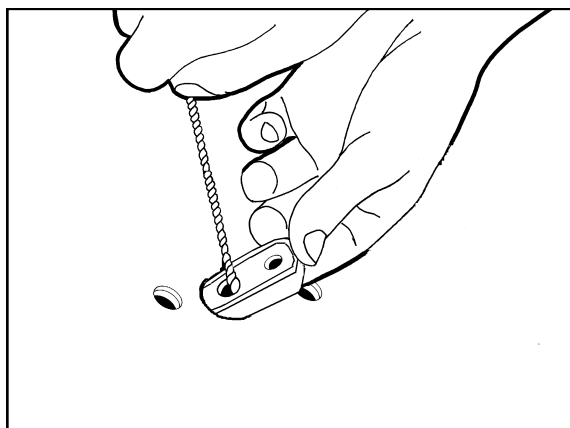
29. Deburr the drilled holes if necessary.
30. Vacuum away all drilling swarf etc.
31. Apply rust preventative sealer (12) to the raw edges of the drilled holes.



32. Place a mounting plate (2) centre hole over the installation tool (13) as shown.



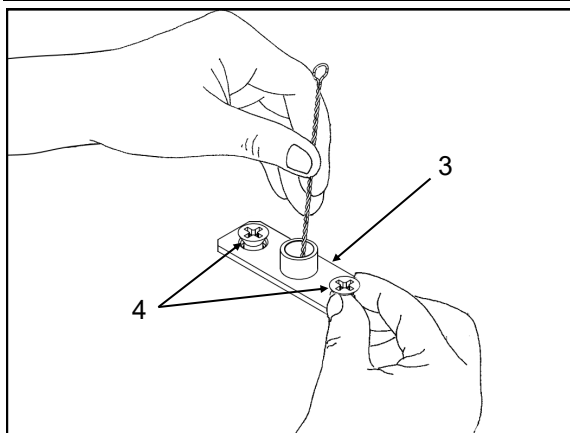
33. Fit a rubber mounting plate seal (5) over the mounting plate as shown.



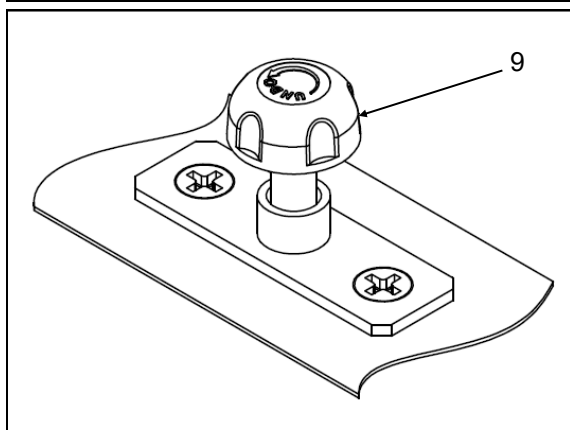
34. Whilst keeping hold of the installation tool push the mounting plate ASM through one of the 22mm centre holes in the floor panel.
35. Align the mounting plate holes with the drilled holes in the floor panel.



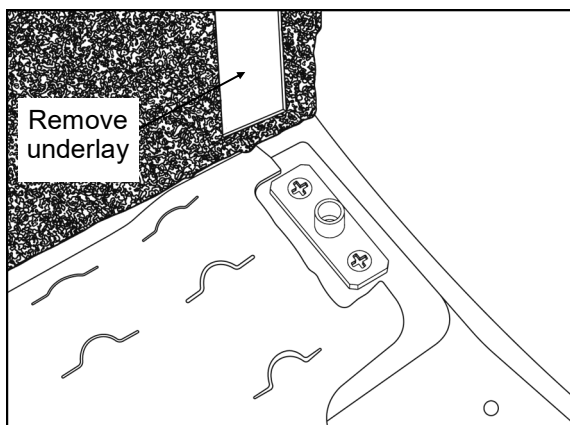
INSTALLATION PROCEDURE FOR FLOOR MOUNTS - Cont'd



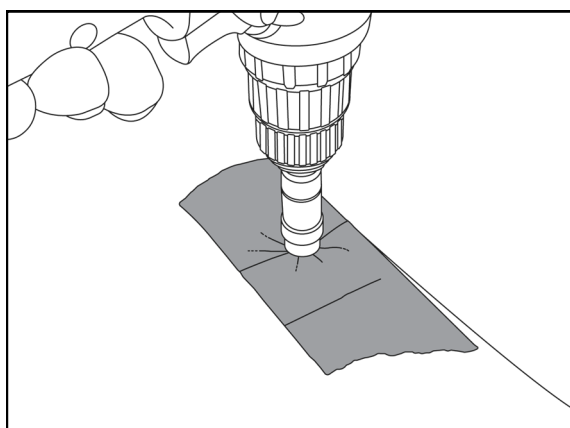
36. Whilst keeping hold of the installation tool place a cover plate ASM (3) over the installation tool.
37. Secure the assembly in place using CSK screws (4) in the outer holes.



38. Remove the installation tool by pulling upwards.
39. Temporarily screw a Milbolt (9) into the centre hole then tighten the outer screws.
40. Reset the ends of the installation tool then repeat steps 32 to 39 on the other side.



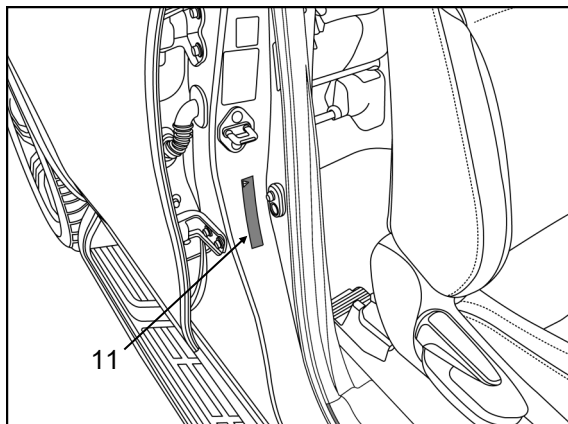
41. At the approximate locations where the floor covering will lay over the floor mounts cut away the underlay.
42. Pull the floor coverings back into their original position over the top of the floor mounts.



43. Affix masking tape to the floor covering at the approximate locations of the floor mounts.
44. Carefully locate the centres of the cover plate tubes then mark the positions on the masking tape.
45. Using a 20mm vinyl cutter cut a hole through the floor covering at each of the marked positions.
46. Remove the masking tape.
47. Resecure the floor coverings at the back edge.
48. Replace the hard plastic door opening trim.
49. Remove the Milbolts from the upper mounts.
50. Clean the area shown inside the drivers



AFFIXING OF WARNING LABEL

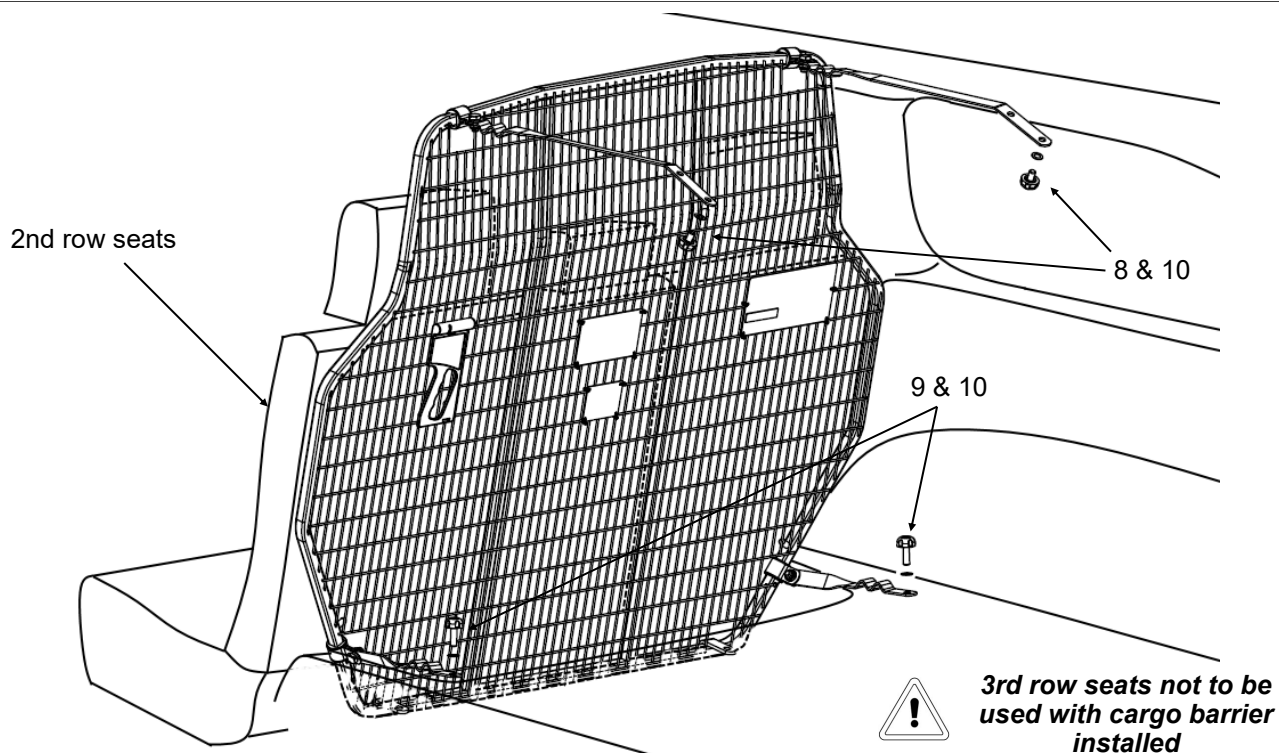


- door opening.
51. Affix the orange warning label (11) at that location as shown.

Please ensure User Instructions are left with vehicle owner after installation.

INSTALLATION OF CARGO BARRIER 'Behind 2nd row of seats'

1. Fold the 2nd row seat backs down and tumble the seats forward to create manoeuvring space.
2. Lock the 3rd row seats down but leave the seat backs in the down position.
3. Ensure the cargo barrier straps are pivoted towards the meshed side of the cargo barrier.
4. Lay the cargo barrier on its meshed side with the bottom to the front, on top of the 3rd row seats.
5. Manoeuvre the cargo barrier into position in the behind 2nd row seat position.
6. Attach the top straps to the upper mounts using the 14mm Milbolts (8) with wave washers (10) under heads.
7. Lift up the 3rd row seats and strap in the stored position.
8. Attach the bottom straps to the floor mounts using 29mm Milbolts (9) with wave washers (10) under heads.
9. Tighten all Milbolts.
10. Lift the second row seats back into position.
11. Reverse the procedure to remove the cargo barrier from the vehicle.

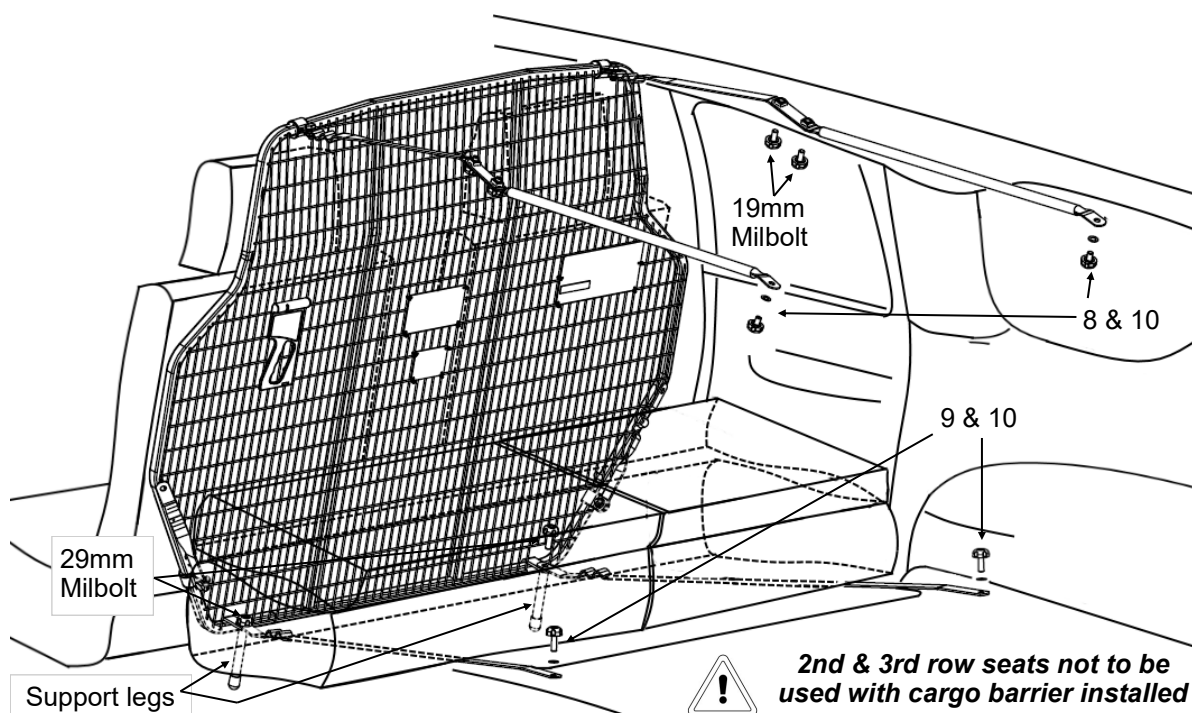




INSTALLATION OF CARGO BARRIER 'Behind 1st row of seats'

(Requires optional front position kit P/N 609702 - Sold separately)

1. Remove the outer head restraints from the 2nd row seats. The centre head restraint can stay in place. Store the removed head restraints in a safe place.
2. Move the front seats forward on their sliders.
3. If moving from the rear position fold the 2nd row seat backs down and tumble the seats forward to create manoeuvring space.
4. If moving the cargo barrier from the rear position undo the bottom Milbolts.
5. Lock the 3rd row seats down but leave the seat backs in the down position.
6. If moving from the rear position undo the upper Milbolts.
7. Manoeuvre the cargo barrier into a position with its meshed side laying on the 3rd row seat backs.
8. Lock the 2nd row seats in their half way position with the seat backs laying down. (The cargo barrier will sit in front of the half folded 2nd row seats)
9. With the meshed side of the cargo barrier facing the rear manoeuvre the cargo barrier into position behind the 1st row seats.
10. Attach the tube extension straps to the flat top straps as shown using 19mm Milbolts. (2 per strap)
11. Loosely attach the other ends of the tube extension straps to the upper mounts using 14mm Milbolts (8) with wave washers (10) under heads.
12. Slide the long bottom straps under the half folded 2nd row seats.
13. Lift up the 3rd row seats and strap in the stored position.
14. Loosely secure the rearward ends of the long bottom straps to the floor mounts using 29mm Milbolts (9) with wave washers (10) under heads.
15. Push the front ends of the long bottom straps under the bottom brackets of the cargo barrier.
16. Position a support leg under a strap and bracket then secure the assembly together using a 29mm Milbolt. Repeat for the other side.
17. Tighten all Milbolts.
18. Reposition the 1st row seats.
19. Reverse the procedure to move the cargo barrier to the behind 2nd row seats position or remove from the vehicle.



IMPORTANT NOTE: Check that all bolts and screws are tight and re check periodically.