



## **NISSAN X TRAIL T32 SUV CARGO BARRIER INSTALLATION INSTRUCTION Part # 406350**

VEHICLE YEARS OF MANUFACTURE - From Feb. 2014  
(Suitable for 5 and 7 seat models. Not suitable for front position in Sunroof models)



This cargo barrier is capable of being located in two positions, behind the 2nd row of seats with the seats in an upright position, and behind the 1st row of seats with the 2nd row of seats in their folded position. The installation kit contains sufficient components for fitment to both locations. 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 1.0 Hour**

"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.***



# **NISSAN X TRAIL T32 SUV** **CARGO BARRIER INSTALLATION INSTRUCTION** **Part # 406350**

**VEHICLE YEARS OF MANUFACTURE - From Feb. 2014**  
 (Suitable for 5 and 7 seat models. Not suitable for front position in Sunroof models)

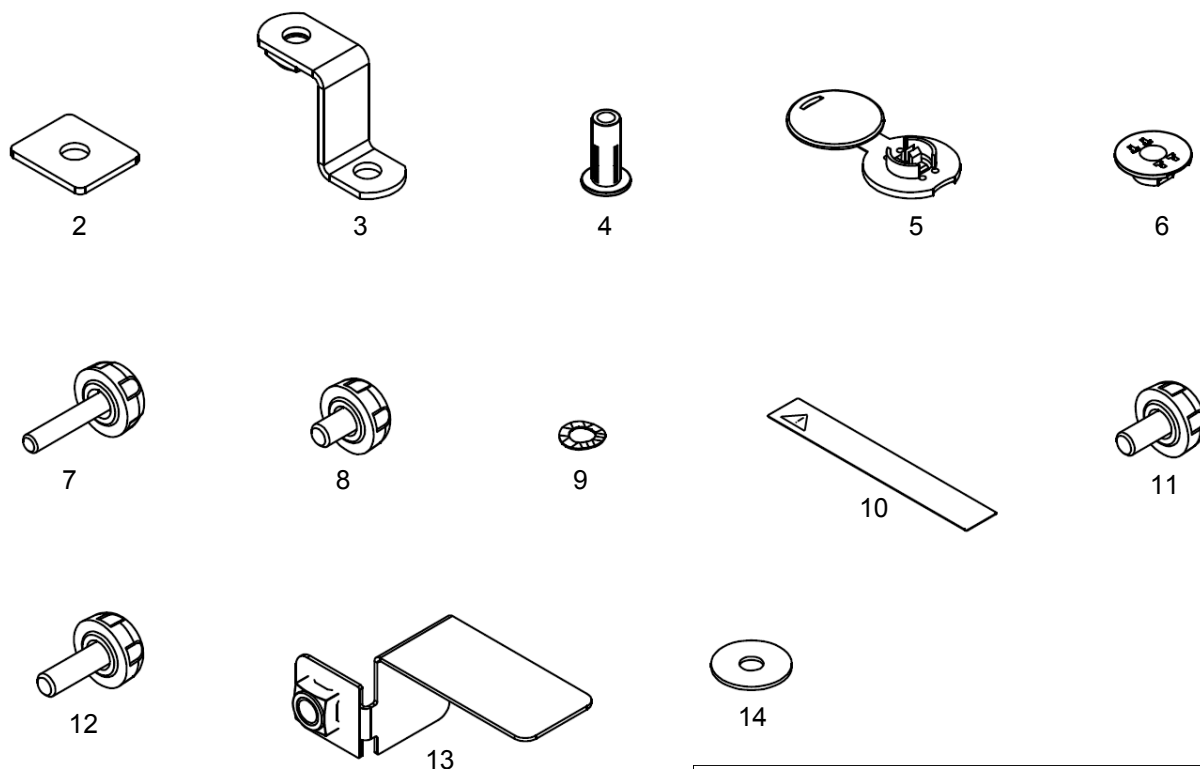
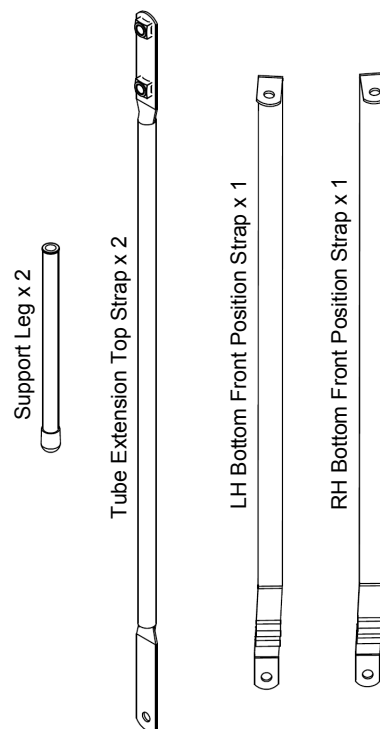


**IMPORTANT:** The installation kit contains sufficient components to fit the cargo barrier. A high degree of technical competence is necessary to correctly install this product. We recommend this cargo barrier be installed by an authorised outlet to ensure the barrier installation is correct. These 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 10)	406350	1
2	Backing plate	753483	2
3	Bracket ASM	753568	2
4	Threaded insert ZP	922290	2
5	Trim garnish - Base & Lid	753075	2
6	Garnish spacer	753077	2
7	Milbolt - M8 x 1.25 x 39mm	913240	2
8	Milbolt - M10 x 1.5 x 14mm	912816	2
9	Wave washer - 10mm ZP	932125	4
10	Label - Adhesive warning (orange)	905017	1
11	Milbolt - M10 x 1.5 x 19mm	912820	7
12	Milbolt - M10 x 1.5 x 29mm	912830	2
13	Lateral support bracket	753973	1
14	Washer - Flat, 10mm ZP	932006	1

Note: These items shown at a reduced scale



**E and OE—Errors and Omissions Excepted**

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### **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**

- |   |  |
|---|--|
| <input type="checkbox"/> Tape Measure       | <input type="checkbox"/> Marker Pen                |
| <input type="checkbox"/> Steel Rule         | <input type="checkbox"/> 20mm Vinyl Cutter         |
| <input type="checkbox"/> Socket wrench      | <input type="checkbox"/> Cover sheet / Drop sheet  |
| <input type="checkbox"/> Metric hex sockets | <input type="checkbox"/> Torque Wrench (22Nm/44Nm) |
| <input type="checkbox"/> Trim removal tools | <input type="checkbox"/> Threaded Insert Tool      |
| <input type="checkbox"/> Screwdrivers       | <input type="checkbox"/> Sharp Knife               |
| <input type="checkbox"/> Masking Tape       | <input type="checkbox"/> Clean Rag                 |



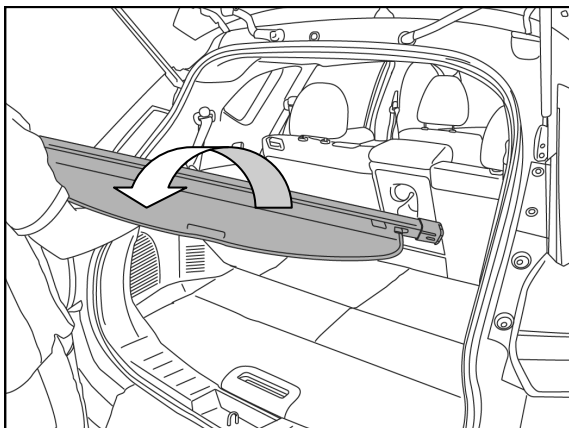
## NISSAN X TRAIL T32 SUV CARGO BARRIER INSTALLATION INSTRUCTION

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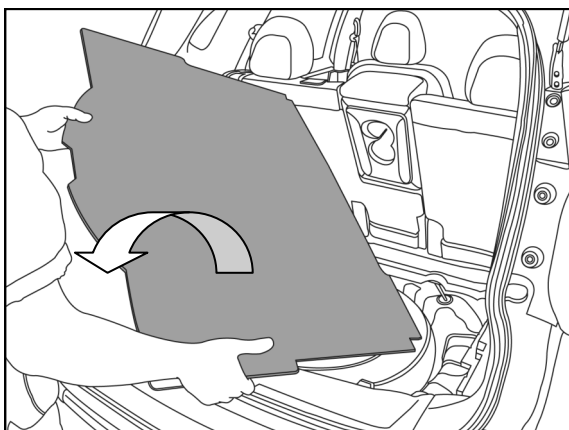
VEHICLE YEARS OF MANUFACTURE - From Feb. 2014  
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### PREPARE VEHICLE FOR FLOOR MOUNTS

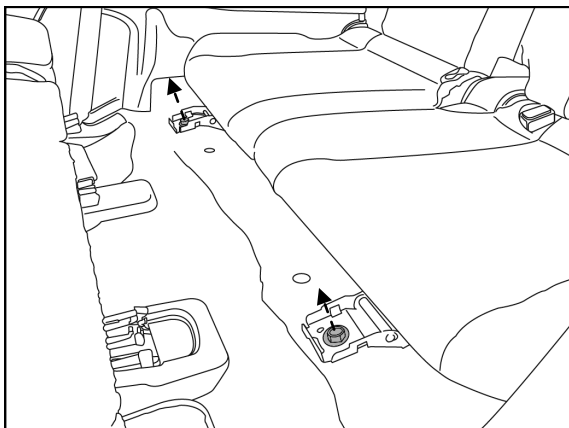


1. Remove the cargo blind if installed.

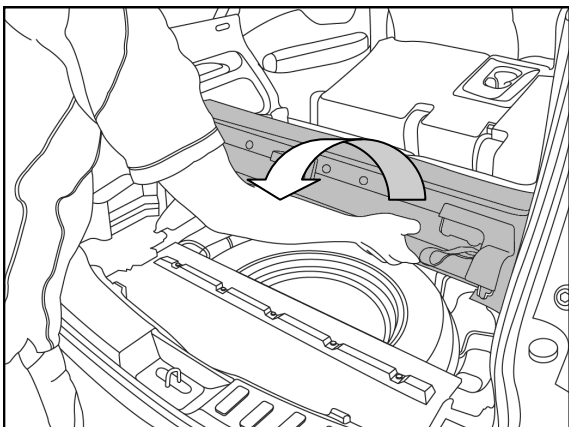


2. Lay the 2nd row seats down flat and slide fully forward on the runners.
3. In 5 seat models remove all cargo area floor coverings.

*Note: If installing cargo barrier in a 5 seat model go to step 10.*



4. In 7 seat models remove the floor panel at the rear of the cargo area.
5. Lift the 3rd row seat backs upright.
6. Remove the bolt covers at the front of the 3rd row seats.
7. Remove the bolts securing the 3rd row seats.



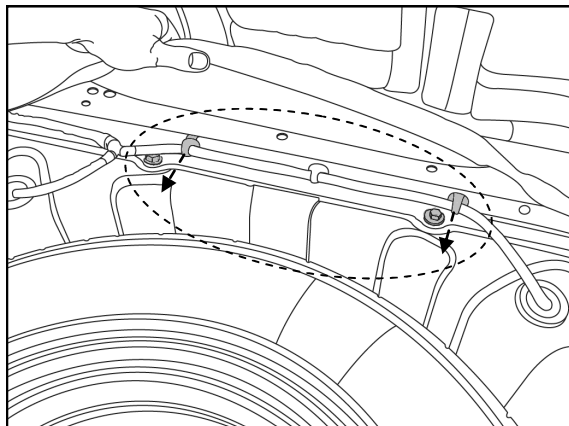
8. Release the 3rd row seat at the back then remove from the vehicle with the aid of a 2nd person.
9. Store the seat in a safe place.

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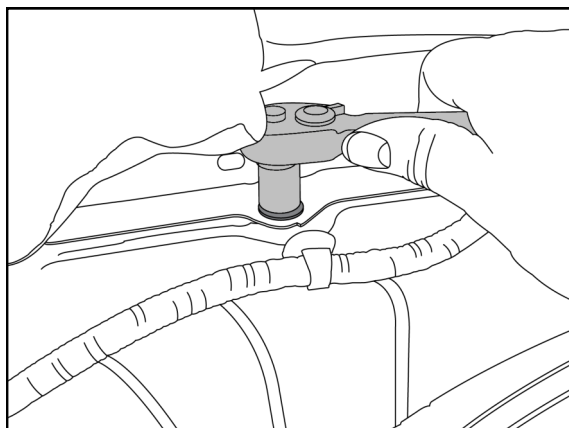
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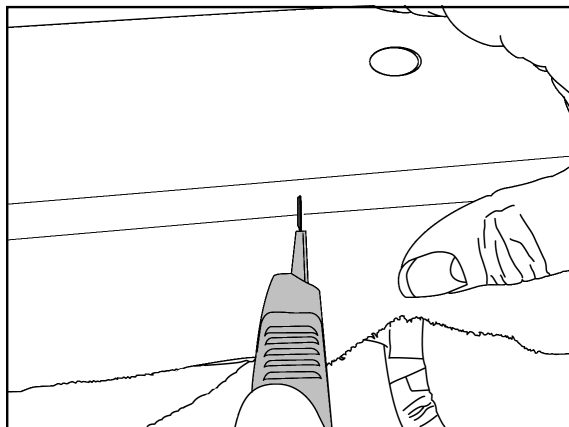
## INSTALLATION OF FLOOR BRACKETS



10. Just behind the 2nd row of seats lift up the back edge of the floor carpet and locate the M8 screws indicated.
11. Using a suitable trim removal tool unclip the wiring loom located adjacent to the M8 screws.



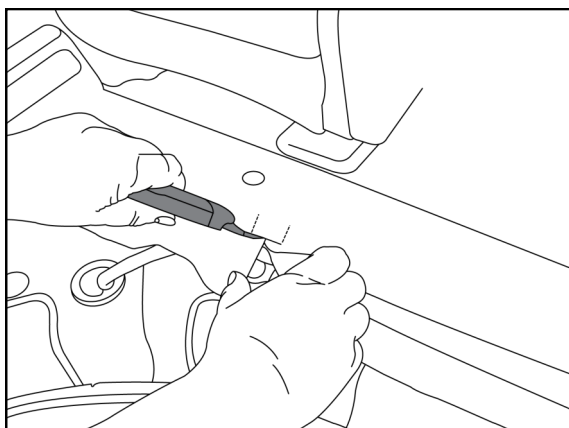
12. Remove the M8 screws and retain for later use.



13. Cut a slit the carpet from the point where the carpet bends 90deg's, to the back edge as shown, in line with the M8 captive nuts.



Caution: Take care not to cut into the wiring loom in close proximity behind.



14. Across the top of the slit cut the carpet at 90deg's to the slit for 15mm in each direction to create a 'T' as shown.

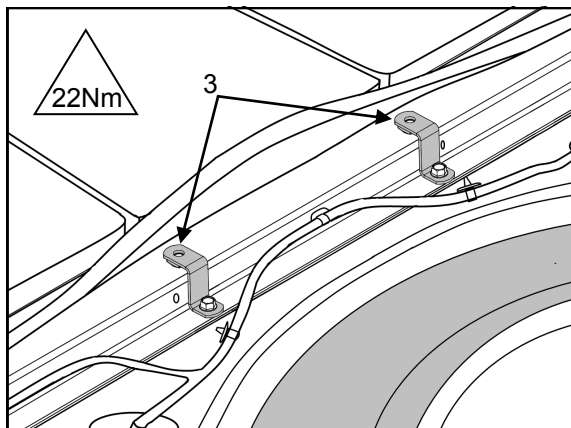
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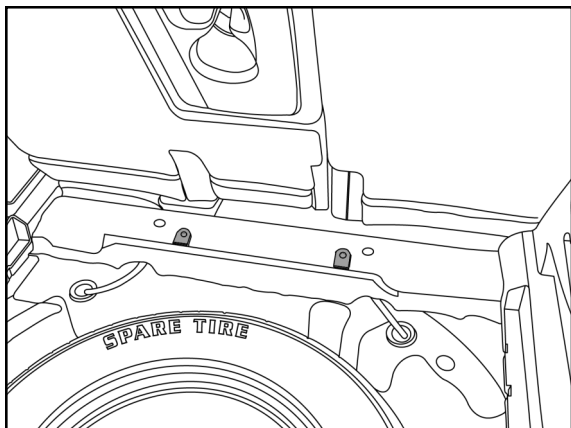
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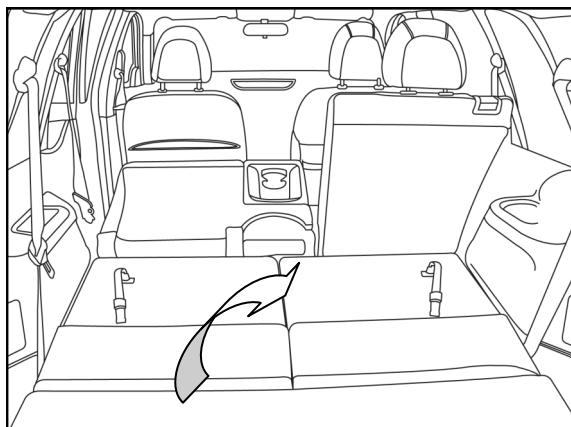
## INSTALLATION OF FLOOR BRACKETS—Cont'd



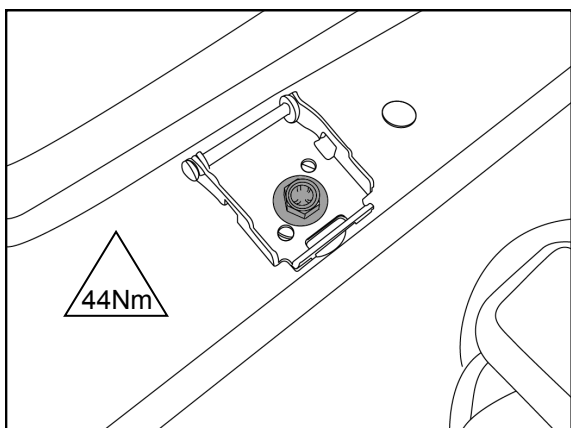
15. Position a floor bracket (3) over one of the M8 captive nuts as shown.
16. Secure the bracket in place using M8 flange screw removed earlier.
17. Repeat on the other side.
18. Tighten and torque up screws to 22Nm.



19. Clip the wiring loom back in place.
20. Reposition the carpet back in place around the floor brackets.



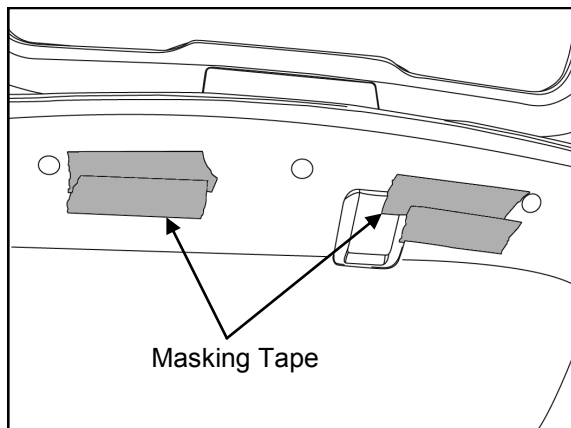
21. For 5 seat models go to step 25.
22. Reinstall the 3rd row seat and floor panel in 7 seat models.



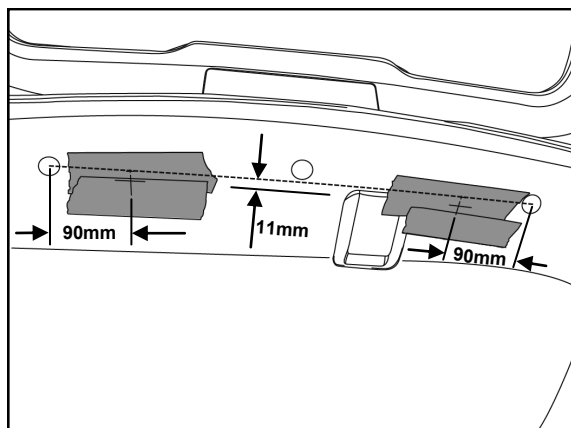
23. Tighten and torque up the seat bolts to 44Nm.
24. Replace the seat bolt covers.



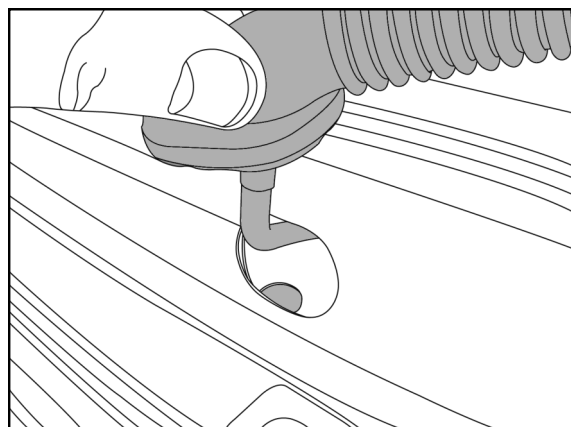
### MARKING PROCEDURE FOR UPPER MOUNTS



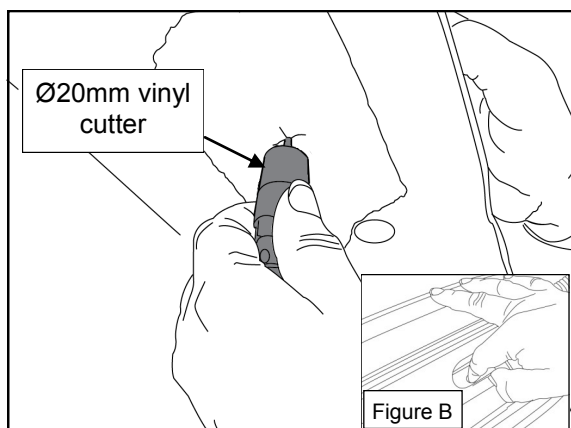
25. On the roof lining just inside the tailgate opening affix masking tape inboard of the outer trim plugs as shown.



26. Measure and mark out the approximate roof mount locations as shown.



27. On the outside of the vehicle at the top of the tailgate opening, unplug the wiring harness/water pipe grommets from the metal panel.
28. Looking through the grommet holes familiarize yourself with the oval holes in the metal inner roof panel which will be in line with the marked locations from above.



29. Using a hand held 20mm vinyl cutter gently position the centre drill on a marked location from step 26.
30. Place a finger through the adjacent grommet hole and feel for the vinyl cutter centre drill on the roof lining at the centre of the small oval hole. Refer Figure B.
31. Adjust position if necessary.



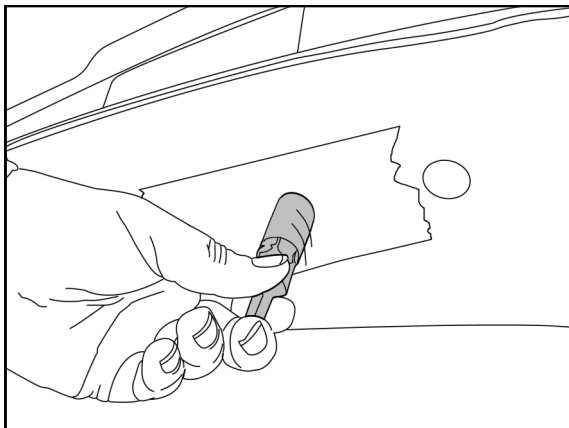
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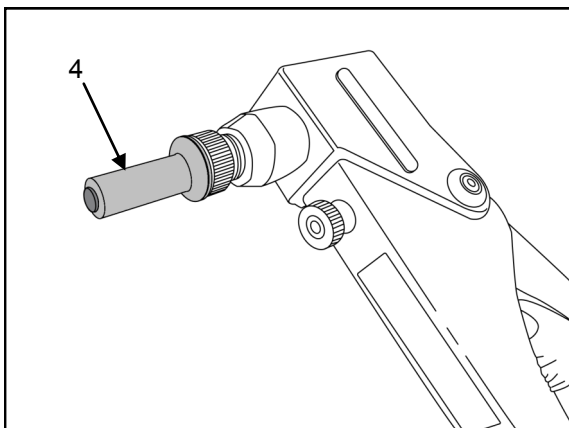
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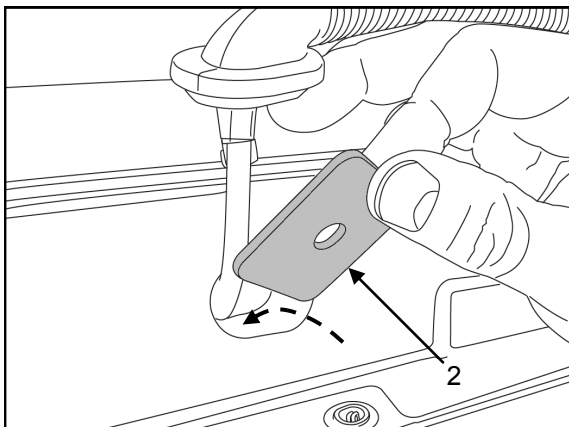
## INSTALLATION PROCEDURE FOR UPPER MOUNTS



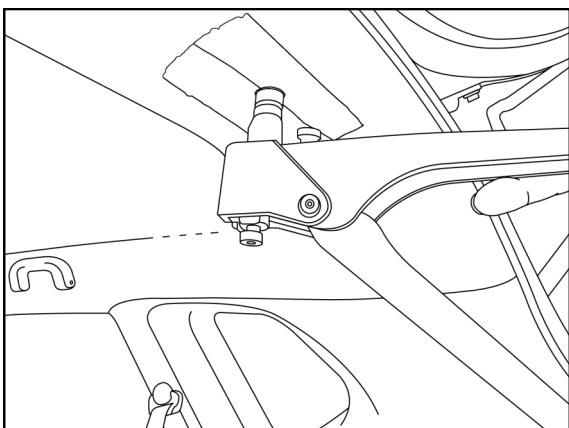
32. With the hole position confirmed firmly push up and twist the vinyl cutter to cut a hole through the roof lining.
33. Repeat on the other side.



34. Screw a threaded insert (4) onto a suitable threaded insert tool with long mandrel.



35. Manoeuvre a backing plate (2) through one of the grommet holes then position it over the hole in the metal panel.



36. On the cabin side place the threaded insert up through the hole in the roof lining/roof panel and through the backing plate.



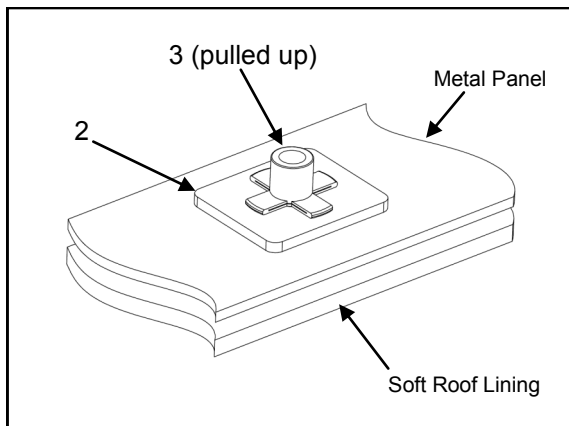
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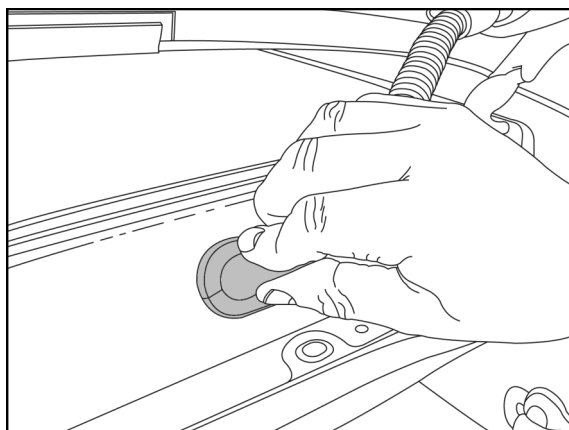
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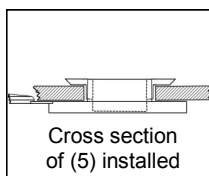
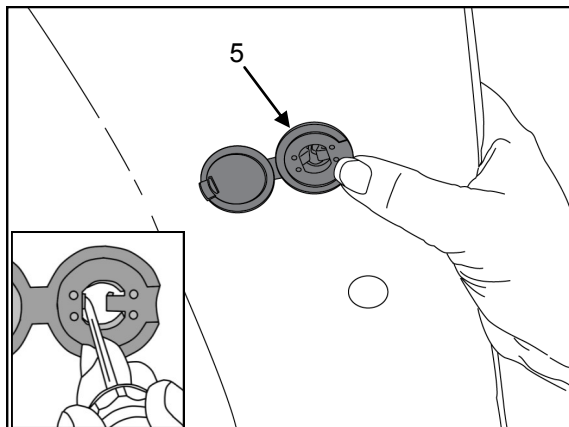
## INSTALLATION PROCEDURE FOR UPPER MOUNTS—Cont'd



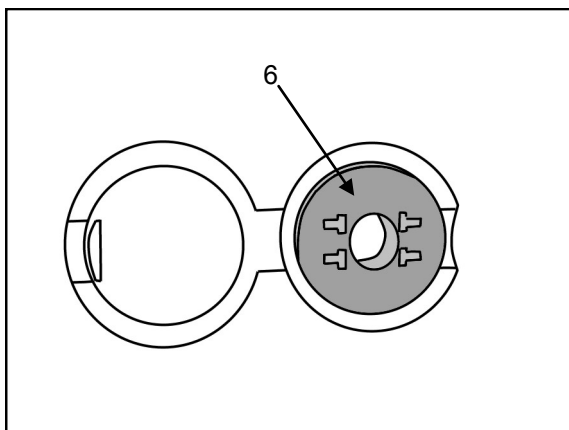
37. With the backing plate positioned square over the panel hole pull up the threaded insert to secure in place as shown.
38. Repeat above steps on the other side.



39. Relocate the wiring harness/water pipe grommets back into panel holes.
40. Remove the masking tape from the roof lining.



41. Place a trim garnish base and lid (5) into one of the holes in the roof lining with the lid facing forwards.
42. Using a small screwdriver push the trim garnish base securing legs outwards so they hook onto the outside surface of the roof lining.



43. With the trim garnish base legs pushed outwards, push a trim garnish insert (6) into the trim garnish base until it clips in place.
44. Repeat above steps on other side.

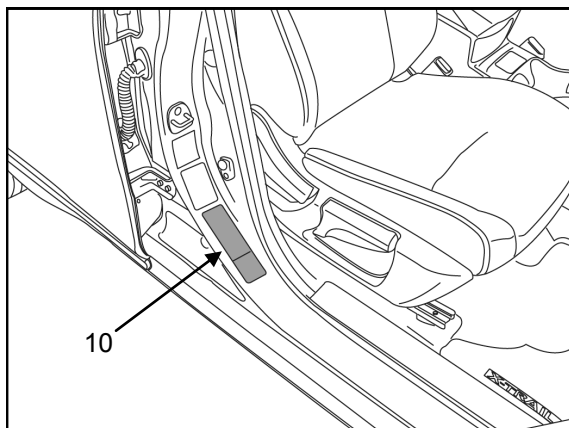
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### AFFIXING OF WARNING LABEL

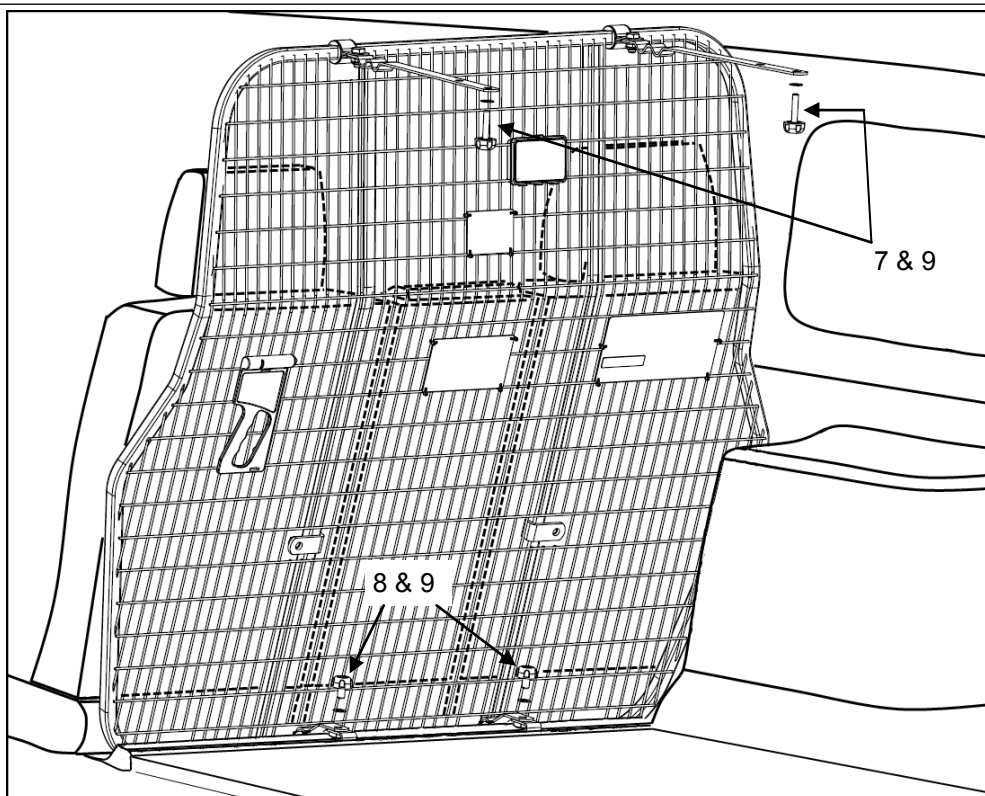


45. Clean the area shown inside the drivers door opening.
46. Affix the orange warning label (10) at that location as shown.
47. Once the cargo barrier has been installed place any spare kit items in the glove box for future use.

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

### INSTALLATION OF CARGO BARRIER 'Behind 2nd row of seats in 5 seat models'

1. Lay the 2nd row of seats down flat and move them forward on their sliders.
2. Ensure all straps are pivoted towards the meshed side of the cargo barrier.
3. Position the cargo barrier in the vehicle as shown with the rating label (meshed side of barrier) facing the rear.
4. Secure the top straps to the roof mounts using 39mm (M8) Milbolts (7) with wave washers (9) under heads.
5. Secure the bottom straps to the bottom fixed brackets using 14mm (M10) Milbolts (8) with wave washers (9) under heads.
6. Tighten all Milbolts.
7. Re install the cargo blind or store under floor as required.
8. Replace all cargo area floor coverings.
9. Reposition the 2nd row seats.



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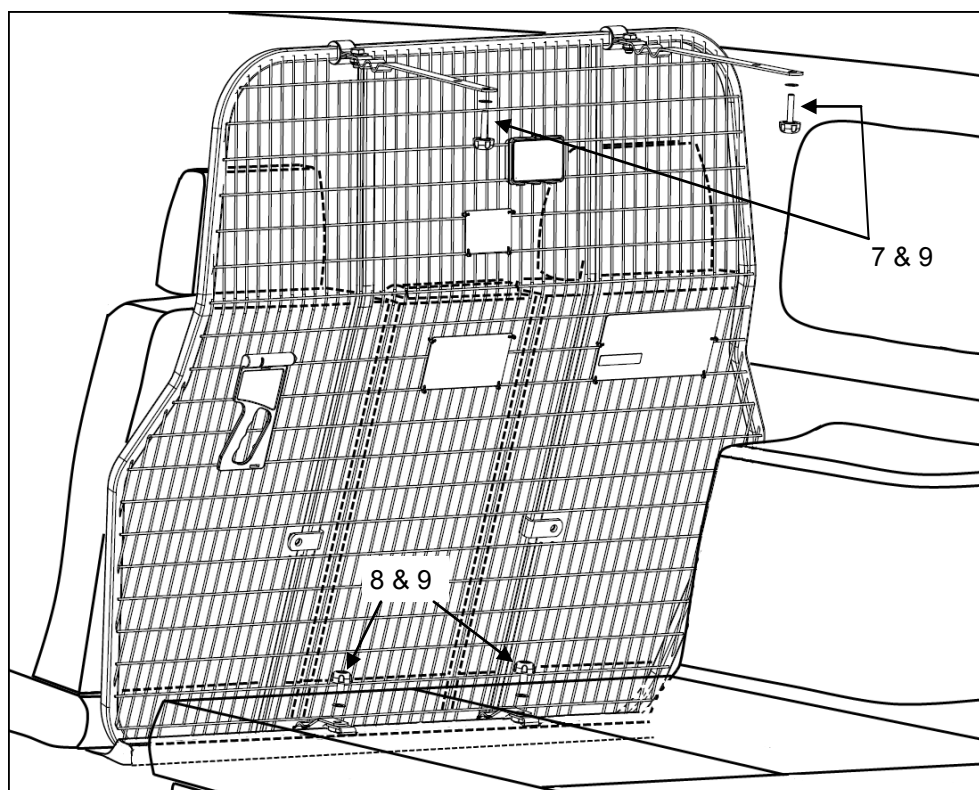
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### INSTALLATION OF CARGO BARRIER 'Behind 2nd row of seats in 7 seat models'

1. Lay the 2nd row of seats down flat and move them fully forward on their sliders.
2. Ensure all straps are pivoted towards the meshed side of the cargo barrier.
3. Manoeuvre the cargo barrier into position in the gap behind the folded 2nd row seats with the rating label (meshed side of barrier) facing the rear.
4. With the cargo barrier leaning forward against the 2nd row seats, secure the bottom straps to the bottom fixed brackets using 14mm (**M10**) Milbolts (8) with wave washers (9) under heads. Tighten the Milbolts.
5. Tilt the cargo barrier rearwards then secure the top straps to the roof mounts using 39mm (**M8**) Milbolts (7) with wave washers (9) under heads.
6. Tighten roof mount Milbolts.
7. Re install the cargo blind or store under floor as required.
8. Replace all cargo area floor coverings.
9. Reposition the 2nd row seats.



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

## NISSAN X TRAIL T32 SUV CARGO BARRIER INSTALLATION INSTRUCTION

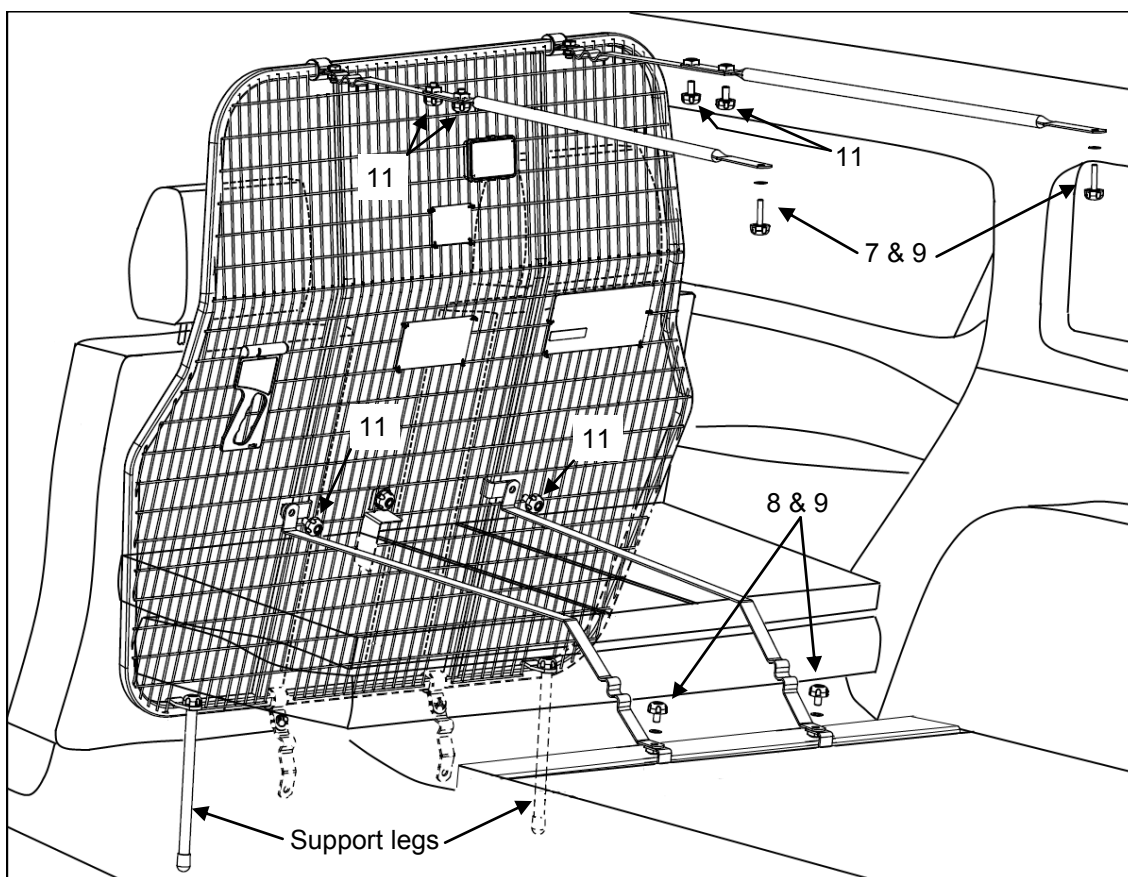
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### INSTALLATION OF CARGO BARRIER 'Behind 1st row of seats'

1. Remove the head restraints from the 2nd row seats and store in a safe place.
2. Lay the 2nd row seat backs down flat.
3. If relocating the cargo barrier from the behind 2nd row seats position, reverse the behind 2nd row seats installation process.
4. Lay the cargo on its back (meshed side) on top of the folded 2nd row seats with the bottom to the front.
5. Secure the support legs to the bottom frame brackets as shown using the 29mm **(M10)** Milbolts (12).
6. Ensure the 2nd row seats are fully back on their sliders.
7. Slide the front row seats forward to allow manoeuvring space.
8. Manoeuvre the cargo barrier into position behind the front row seats as shown with the supports legs supporting the weight on the floor.
9. Secure the tube extension straps to the top straps as shown using the 19mm **(M10)** Milbolts (11).
10. Attach the free ends of the tube extension straps to the roof mounts using 39mm **(M8)** Milbolts (7) with wave washers (9) under heads.
11. Attach the long flat straps to the cargo barrier brackets as shown using the 19mm **(M10)** Milbolts (11).  
(Note: the long flat straps are bent for LH & RH. Ensure they are on the correct side.)
12. Secure the rear ends of the long flat straps to the bottom fixed brackets using 14mm **(M10)** Milbolts (8) with wave washers (9) under heads.
13. Tighten all Milbolts.
14. Secure the lateral support bracket (13) to the cargo barrier mesh in approximate location shown as detailed on page 13.
15. Slide the front row seats back into required position.



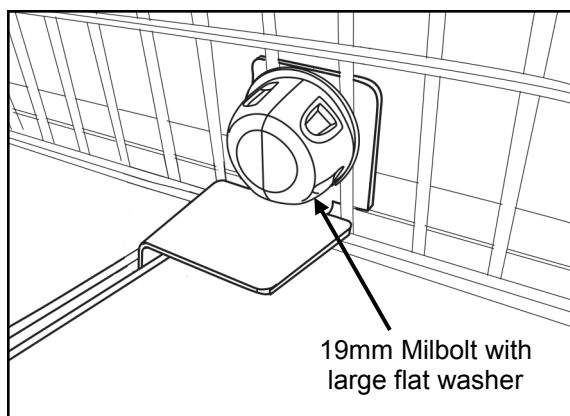
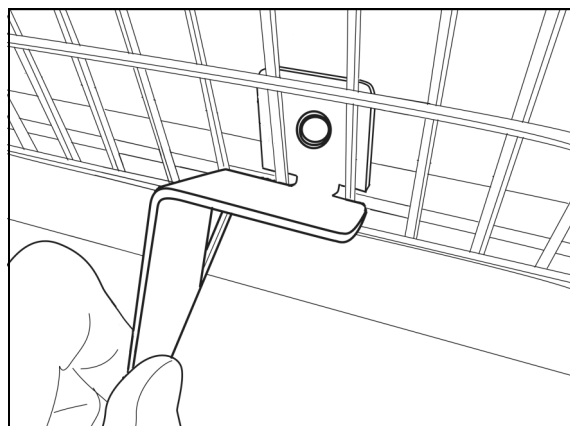
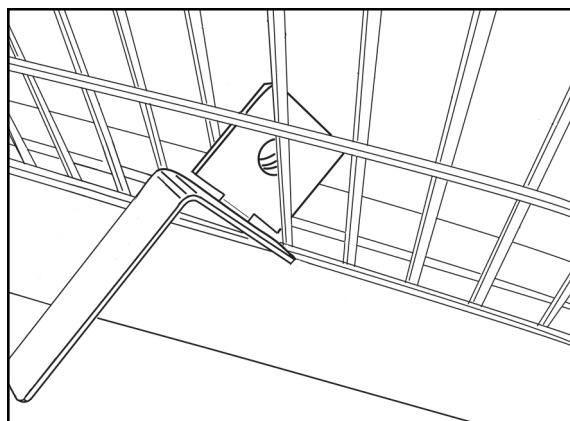
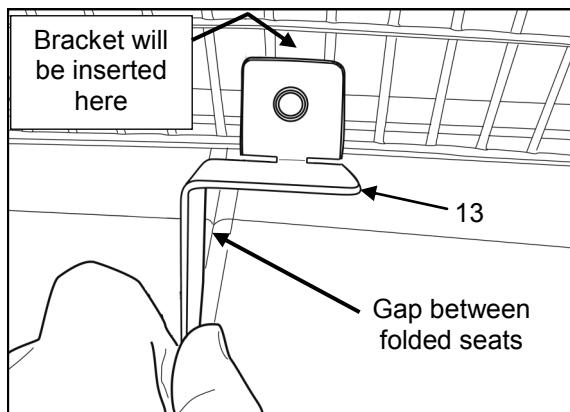
**IMPORTANT NOTE: Check that all bolts and screws are tight and re check periodically.**

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## **INSTALLATION OF LATERAL SUPPORT BRACKET**



16. Centre cargo barrier in the middle of the vehicle. (Even gap each side)
17. Locate best mesh aperture opening along bottom of cargo barrier for lateral support bracket (13). (Bracket will locate in gap between folded seat

18. Manoeuvre lateral support bracket into position through mesh aperture selected.

19. With lateral support bracket positioned in gap between folded seat backs, secure in position using 19mm Milbolt (11) with flat washer (14) under head.