



MAZDA 6 WAGON CARGO BARRIER INSTALLATION INSTRUCTION Part # 704675

VEHICLE YEARS OF MANUFACTURE - FROM FEB. 2008 to OCT. 2012



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 rear 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.

*Optional front position kit P/N 704677 required.

Installation time approximately 1 Hour



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.**

NOTICE TO INSTALLERS & DISTRIBUTORS

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



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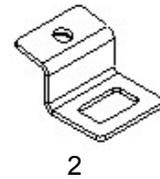
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IMPORTANT: The installation kit contains sufficient components to fit the cargo barrier. A high degree of technical competence is necessary to correctly install this product. We recommend this cargo barrier be installed by an authorised outlet to ensure 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 (not shown)	704675	1
2	Roof Bracket ASM.	756878	2
3	Screw Socket Head—M6 x 1.0 ZP	711422	2
4	Rivet—SS	902515	1
5	Milbolt—M10 x 1.5 x 19mm	912820	2
6	Milbolt—M10 x 1.5 x 39mm	912840	2
7	Wave Washer—10mm ZP	932125	4
8	Tube Spacer—Ø16 x 20mm ZP	754727	2
9	Rust Preventative Sealer (Sachet)	906300	1
10	Cleaning Pad (Sachet)	906302	1
11	Adhesive Label—(Orange Warning)	905017	1
12	Marking Pin—M10 x 1.5 x 25	906185	2
13	Bracket ASM.	776534	1



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4



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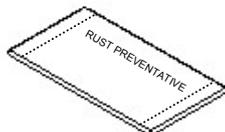
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13





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ADVICE TO FITTER

Note: To fit the cargo barrier the following is essential:

- 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

- Socket wrench
- Metric hex sockets
- 5mm A/F Hex Drive
- Trim removal tools
- Hammer
- Power Drill
- Marker
- Centre Punch
- 4mm, 12mm Drill Bits
- Drill stop's
- Torque Wrench (9Nm)
- 16mm Vinyl Cutter
- 16mm Hole Saw
- Hole De-Burring Tool
- Rust Preventative Applicator—e.g. Cotton bud
- Vacuum Cleaner
- Heavy Duty Rivet Gun
- Phillips Head Screwdriver
- Scriber
- Masking Tape



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MARKING PROCEDURE FOR FLOOR MOUNTS

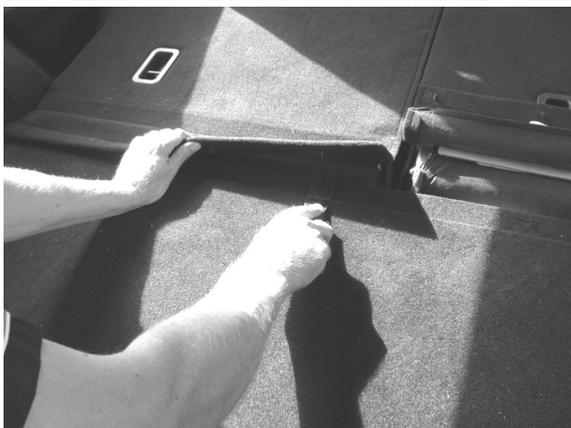


1. Identify area which you will be working in - Rear Cargo area.
2. Fold down 2nd row seat backs to aid barrier installation.



3. Remove cargo blind/cover and cargo net cartridge from vehicle.

Note: Cargo net cannot be reinstalled whilst cargo barrier is in use.



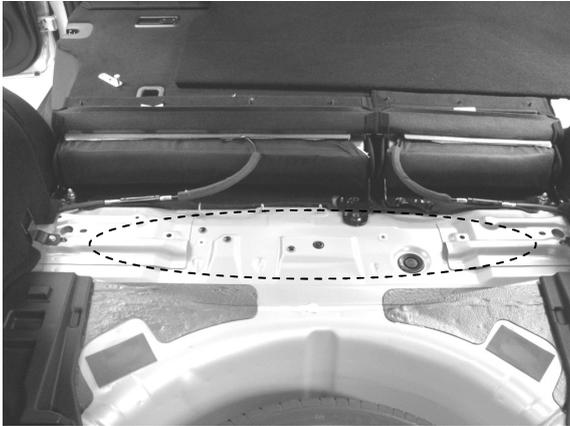
4. At the forward edge of the of the cargo area unclip the fabric flap (attached to the back of 2nd row seats) from the floor covering.
5. Fold fabric flaps forward out of way.



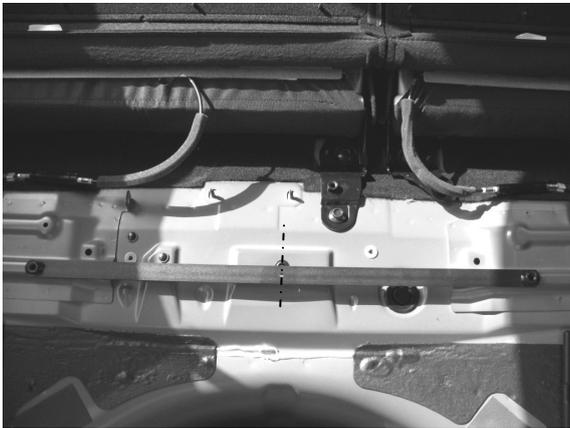
6. Lift up floor coverings and remove from vehicle to expose metal floor under.



MARKING PROCEDURE FOR FLOOR MOUNTS– Cont'd



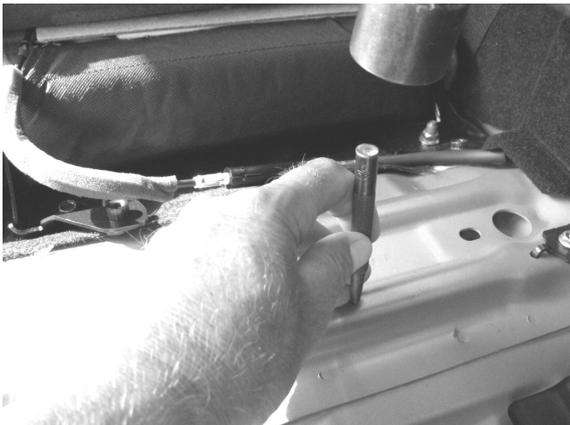
7. Familiarise yourself with the area circled which will be used to secure floor bracket (Item 13).



8. Position floor bracket (Item 13) over raised ribs on floor panel as shown.
9. Align the rivet hole at the centre of floor bracket with the plastic grommet at the centre of the floor panel as shown.



10. With floor bracket in position & using a scribe, mark through the 2 weld nuts onto the floor panel under.
11. Remove floor bracket.



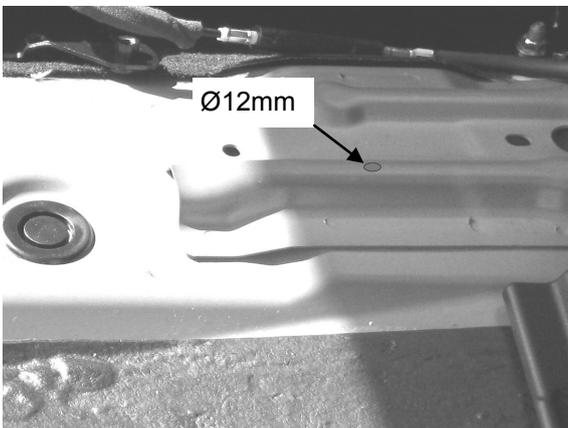
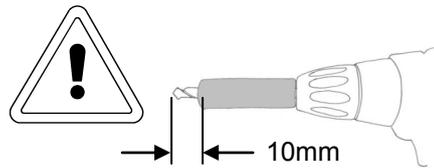
12. At the marked locations centre punch the middle of scribed mark out.
Note: Marked location should be in the middle of the raised rib.



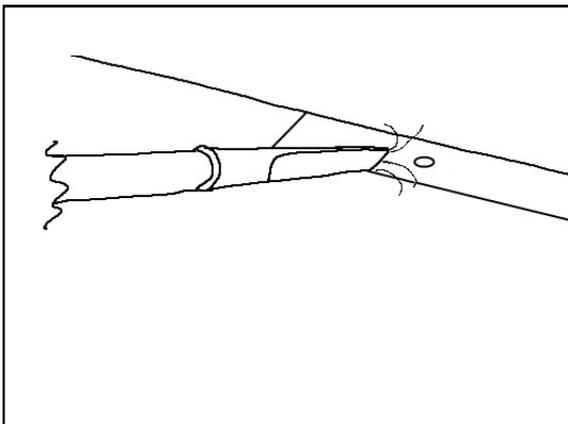
DRILLING PROCEDURE FOR FLOOR MOUNTS



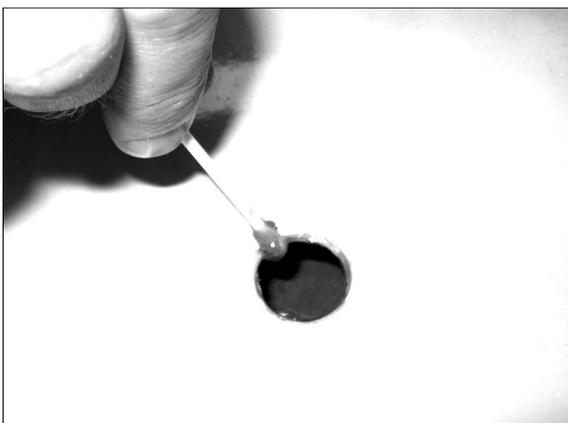
13. Using a Ø4mm drill bit with drill stop set at 10mm drill a pilot hole at each of the centre punched locations.



14. Enlarge the pilot holes using a Ø12mm drill bit with drill stop set at 10mm.



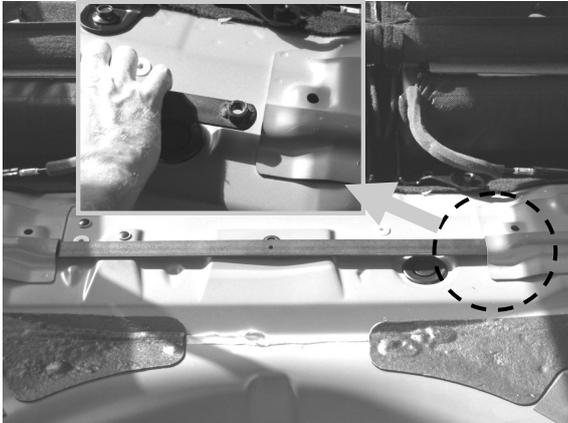
15. De burr drilled holes.
16. Vacuum away all drilling swarf.



17. Apply rust preventative sealer (Item 9) to the raw metal edges of the drilled holes.

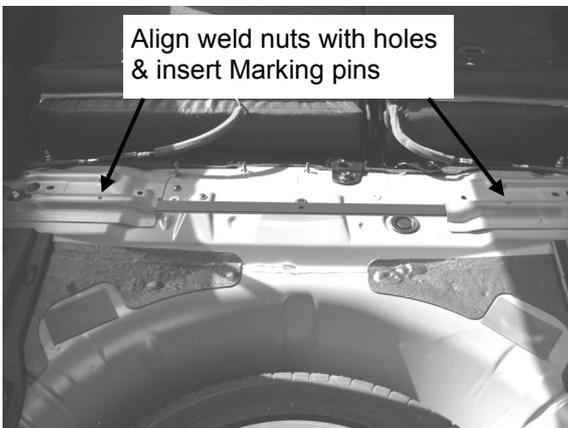


INSTALLATION PROCEDURE FOR FLOOR MOUNTS

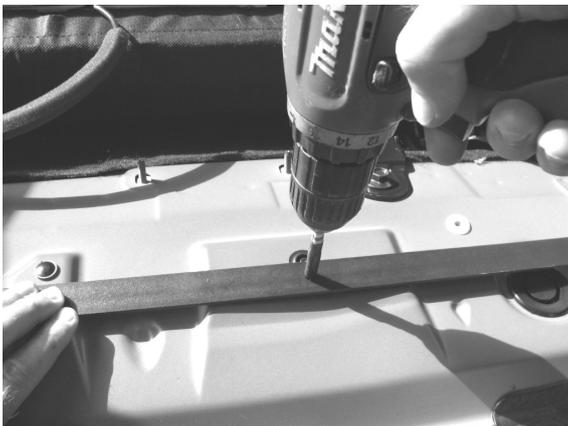


18. Remove the 'D' Ring anchor adjacent to the floor rib on the LHS.
19. With the welded nuts facing upwards insert the floor bracket (Item 13) under the floor rib as shown.

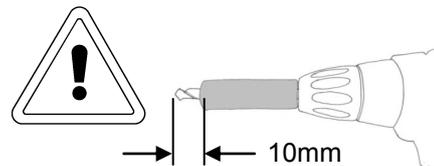
Note: Insert far enough to the LHS so as to be able to insert bracket under the floor rib on the RHS side. See inset picture.



20. Position floor bracket centrally under floor ribs with welded nuts aligned with drilled holes.
21. Insert marking pins (Item 12) into welded bracket nuts to ensure correct alignment. (Points upwards)



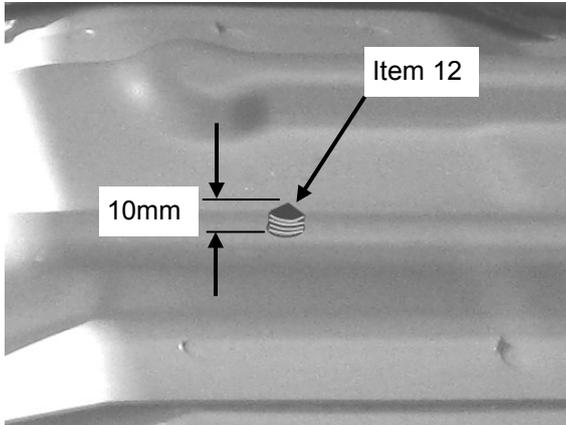
22. With floor bracket correctly aligned use centre bracket hole as a drill guide to drill a Ø4mm hole through floor panel.
Use drill stop set at 10mm.



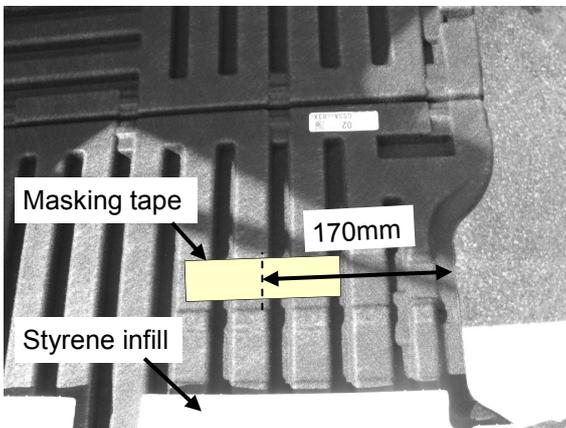
23. Vacuum away any drilling swarf.
24. Apply rust preventative sealer (Item 9) to drilled hole.
25. Secure bracket in place using blind rivet (Item 4)
26. Replace 'D' anchor.



CUTTING FLOOR PANEL CLEARANCE HOLES FOR MOUNTS



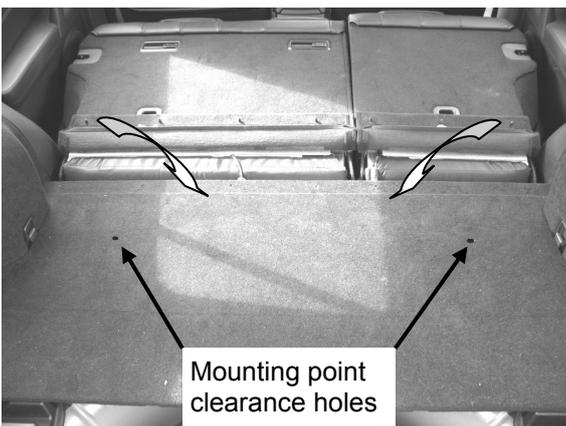
27. Set marking pins (Item 12) protruding approx. 10mm above floor panel.



28. On the underside of the forward floor covering place masking tape in the approximate location shown. Repeat on other side.



29. Relocate forward floor covering into its home position.
30. At the approximate location of each of the marking pins apply enough pressure to leave an indent in the masking tape on reverse side.
31. Remove floor covering from vehicle and locate marking pin indents.



32. At the marked locations drill a 4mm pilot hole through floor covering.
33. At pilot hole locations & using a Ø16mm vinyl cutter cut through the carpet layer on both sides of the covering.
34. Finish cut through the covering using a Ø16mm hole saw.
35. Vacuum away cutting swarf.
36. Reinstall floor coverings to vehicle then reattach fabric flaps removed at step 4.



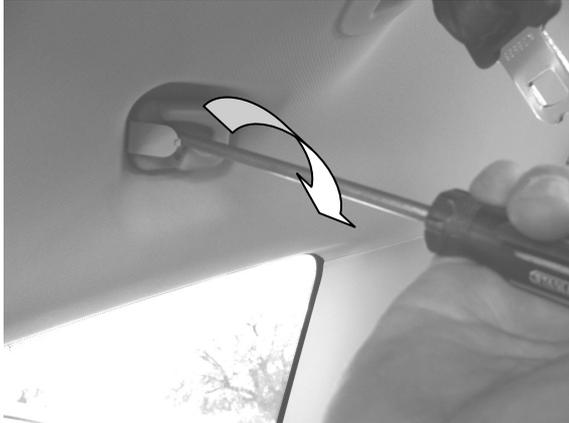
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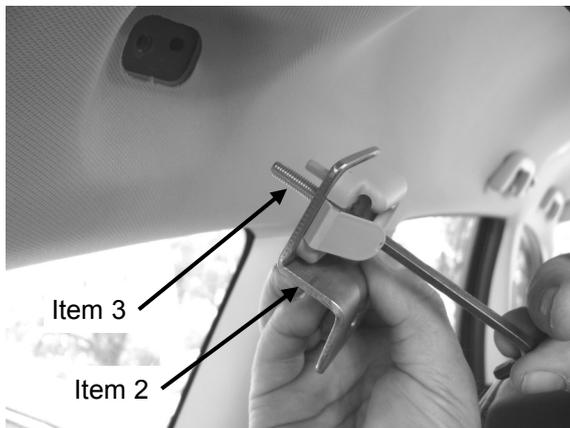


INSTALLATION PROCEDURE FOR UPPER MOUNTS



37. Remove the cargo net anchor brackets from roof area above cargo area side windows.

Note: Discard attaching screws which will be replaced with Item 3 from the kit.



38. Place M6 screw (Item 3) through hole in cargo net anchor bracket.

39. Locate rectangular raised area on back of cargo net anchor bracket, into cut out in roof bracket ASM (Item 2) as shown.



40. Secure bracket ASM back in place as shown.

41. Torque up screws to 9Nm.

42. Close screw cover.

43. Repeat on other side.

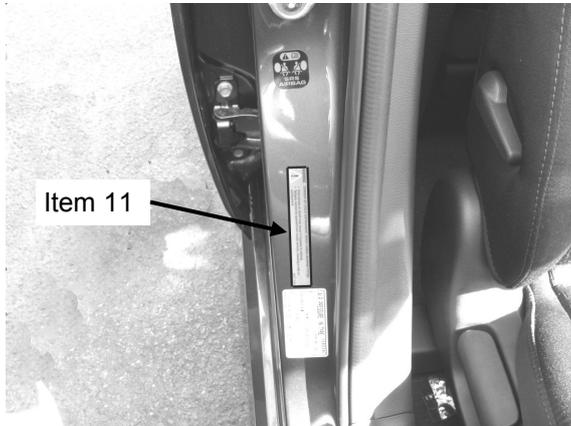
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AFFIXING OF WARNING LABEL

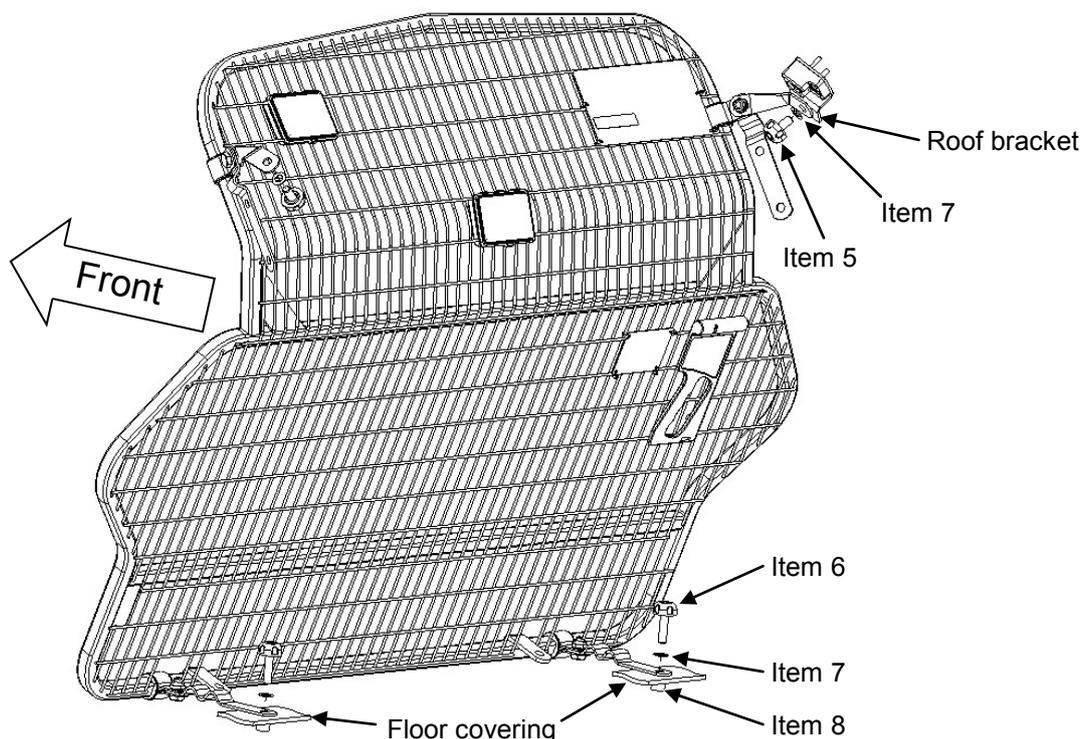


1. Clean area inside drivers door opening as shown using cleaning pad (Item 10).
2. Allow to dry then affix orange warning label (Item 11) at that location as shown.

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

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

1. Remove cargo blind/cover if installed.
2. Remove cargo net cartridge if installed. (Cannot be reinstalled with cargo barrier fitted)
3. Release 2nd row seats to allow space required to get cargo barrier into position.
4. With the straps pivoted to the rear of the cargo barrier (meshed side of barrier), place cargo barrier in cargo area in the behind 2nd row seats position, with the meshed side of the barrier to the rear of the vehicle.
5. Attach short top straps to roof brackets using 19mm Milbolts (Item 5) with wave washers (Item 7) under heads.
6. Place tube spacers (Item 8) into floor mount access holes in floor covering.
7. Attach bottom straps to floor mounts using 39mm Milbolts (Item 6) with wave washers (Item 7) under heads.
8. Tighten all Milbolts.
9. Lock 2nd row of seats back into position.
10. Reinstall cargo blind/cover.

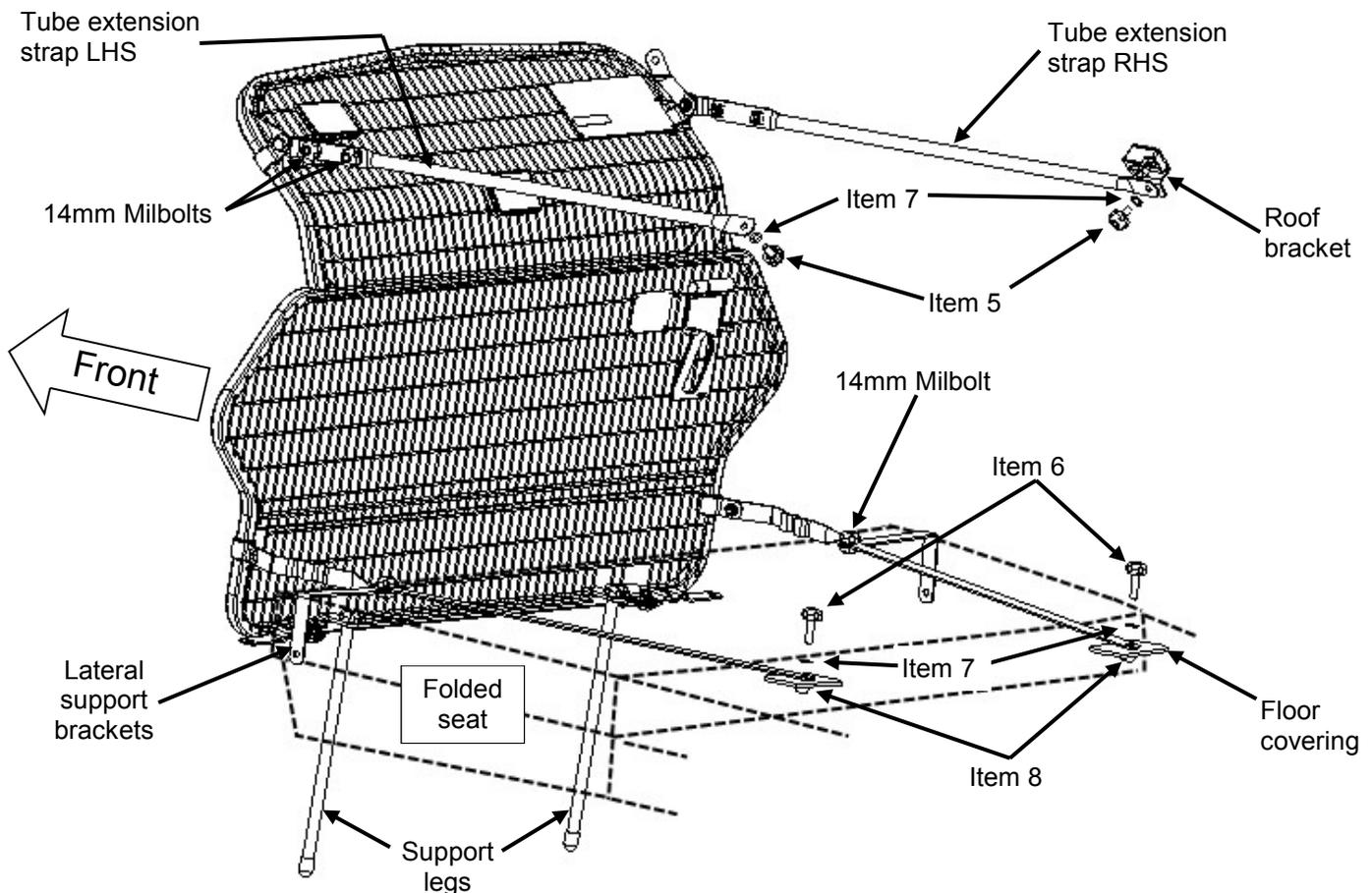




INSTALLATION OF CARGO BARRIER 'Behind 1st row of seats'

Note: Optional Front Position Kit P/N 704677 will need to be purchased and installed to allow installation in this position.

1. Remove head restraints from 2nd row of seats and store in a safe place.
2. Lay 2nd row seats flat as shown in owners handbook.
3. If moving from rear position undo all Milbolts.
4. Lay cargo barrier on its meshed side on top of folded 2nd row seat.
5. Attach support legs to leg brackets as shown.
6. With the front seats moved forward, manoeuvre cargo barrier into position with the meshed side of the barrier to the rear of the vehicle and support legs resting on floor.
7. Attach tube extension straps to long top straps as shown using 14mm Milbolts.
8. Attach other end of tube straps to roof brackets using 19mm Milbolts (Item 5) with wave washers (Item 7) under heads.
9. Place tube spacers (Item 8) into floor mount access holes in floor covering. (should already be in place if moving from rear position)
10. Release long bottom straps from cargo barrier and attach to floor mounts using 39mm Milbolts (Item 6) with wave washers (Item 7) under heads.
11. Attach lateral support brackets to bottom straps as shown using 14mm Milbolts.
12. Tighten all Milbolts.



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