



## **JEEP GRAND CHEROKEE CARGO BARRIER INSTALLATION INSTRUCTION Part # 706025**

VEHICLE YEARS OF MANUFACTURE - FROM JAN. 2011



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 2 Hours**



### **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.***



# JEEP GRAND CHEROKEE CARGO BARRIER INSTALLATION INSTRUCTION

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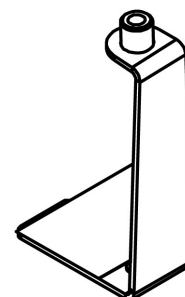
**IMPORTANT:** The installation kit contains sufficient components to fit the cargo barrier. A high degree of technical competence is necessary to correctly install this product. We recommend this cargo barrier be installed by an authorised outlet to ensure the barrier installation is correct. These 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

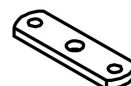
Item	Component Name	Part No.	Qty
1	Cargo Barrier ASM (not shown)	706025	1
2	Bracket ASM—LH Floor	753223	1
3	Bracket ASM—RH Floor	753219	1
4	Mounting Plate - ZP	754000	4
5	Cover Plate ASM—Powder coated	753031	2
6	Screw, CSK 5/16" BSW x 1" ZP	912900	4
7	Screw, CSK 5/16" BSW x 3/4" ZP	912903	4
8	Screw, Hex Hd. M10 x 1.5 x 25mm ZP	912215	2
9	Washer, Spring 10mm ZP	932010	2
10	Milbolt, M10 x 1.5 x 44mm	913060	4
11	Wave Washer, 10mm ZP	932125	4
12	Label -Adhesive Warning (Orange)	905017	1
13	Installation Tool	754200	2
14	Marking Pin, M10 x 40mm	906186	2
15	Rust Preventative Sealer (Sachet)	906300	1
16	Cleaning Pad (Sachet)	906302	1
17	Tube Extension Straps- Front Pos./Top	776626	2
18	Milbolt, M10 x 1.5 x 14mm	912816	4



2



3



4



5



6



7



8



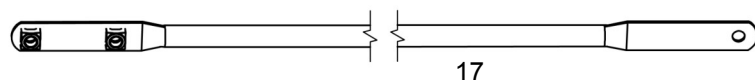
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10



11

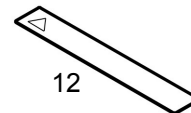


17



18

These items shown at reduced scale



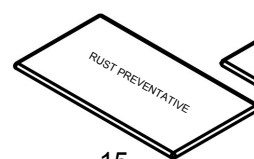
12



13



14



15



16

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



## 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        | ◦ Magnetic Pickup Tool                        |
| ◦ Metric hex sockets   | ◦ Rust Preventative Applicator eg. Cotton Bud |
| ◦ Trim removal tools   | ◦ Vacuum Cleaner                              |
| ◦ Hammer               | ◦ Cover sheet / Drop sheet                    |
| ◦ Screwdrivers         | ◦ Sharp Knife                                 |
| ◦ Masking Tape         | ◦ Steel Rule                                  |
| ◦ Marker Pen           | ◦ Tape Measure                                |
| ◦ Centre Punch         | ◦ Hole De-Burring Tool                        |
| ◦ 5mm, 9mm, Drill Bits | ◦ Power Drill                                 |
| ◦ Drill stop's         | ◦ Hard plastic cutting tools                  |
| ◦ 20mm, 22mm Hole Saw  |   |
| ◦ 20mm Vinyl cutter    |   |

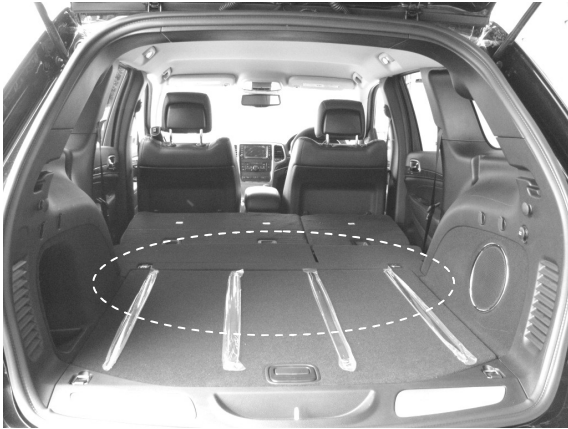
# JEEP GRAND CHEROKEE CARGO BARRIER INSTALLATION INSTRUCTION

Part # 706025

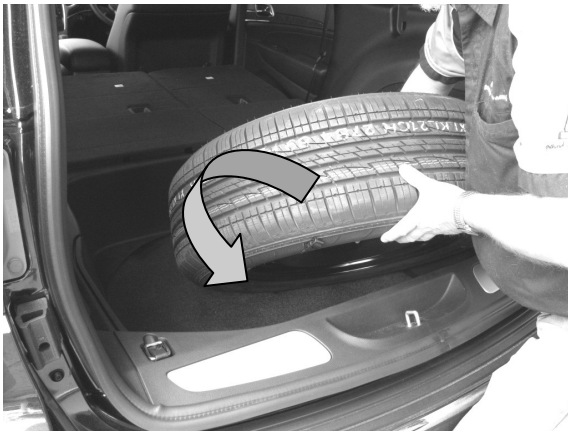
VEHICLE YEARS OF MANUFACTURE - FROM JAN. 2011



## PREPARATION FOR FLOOR MOUNT INSTALLATION



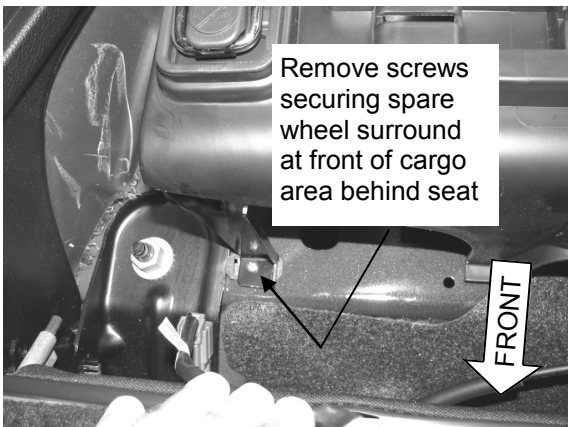
1. Identify the area which you will be working in. Rear cargo area of vehicle.
2. Remove cargo blind and lay 2nd row seats flat for accessibility.



3. Remove the cargo area floor panel from vehicle.
4. Remove the plastic storage buckets.
5. Remove the spare wheel.



6. Unclip the floor panel located at the forward end of the cargo area. (Panel sits over the top of the forward 'D' Ring anchors)



7. Remove the screws securing the spare wheel surround at the front of cargo area. (1 each side)

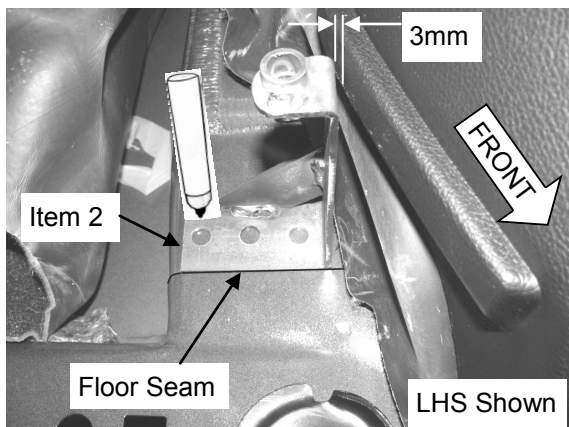
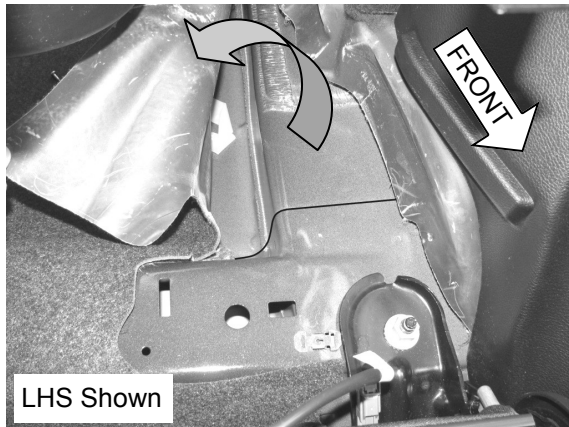
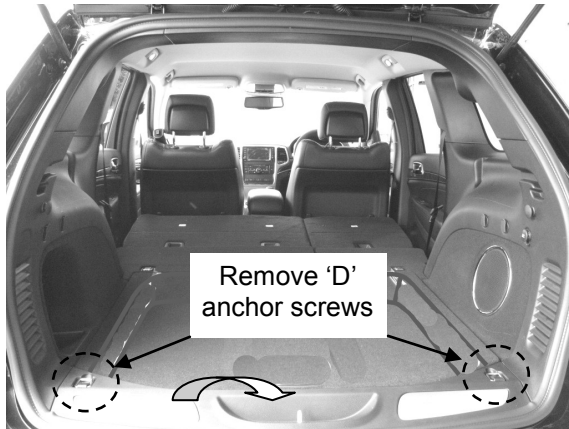
# JEEP GRAND CHEROKEE CARGO BARRIER INSTALLATION INSTRUCTION

Part # 706025

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## PREPARATION FOR FLOOR MOUNT INSTALLATION - Cont'd



8. Remove the screws securing the rearward cargo area 'D' anchors.
9. Unclip the hard plastic trim from the bottom of the tailgate opening and remove.

10. Where applicable unplug the wiring circled.
11. Remove the hex nuts securing the back of the spare wheel surround. (1 each side)
12. Remove the plastic spare wheel surround from the vehicle.

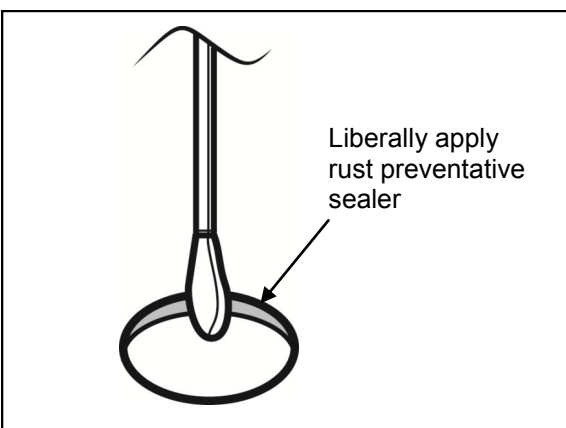
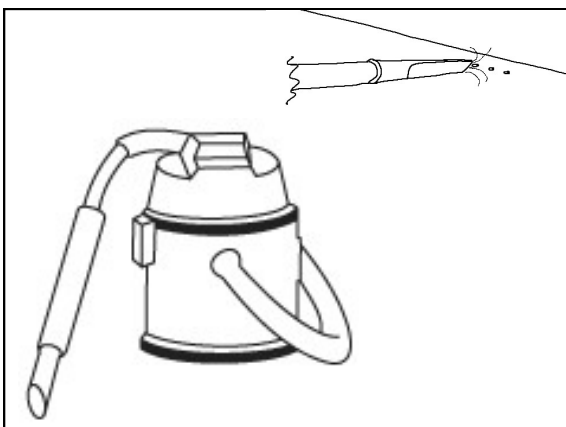
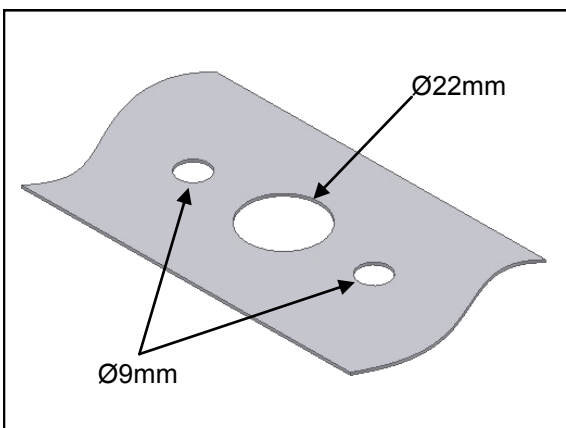
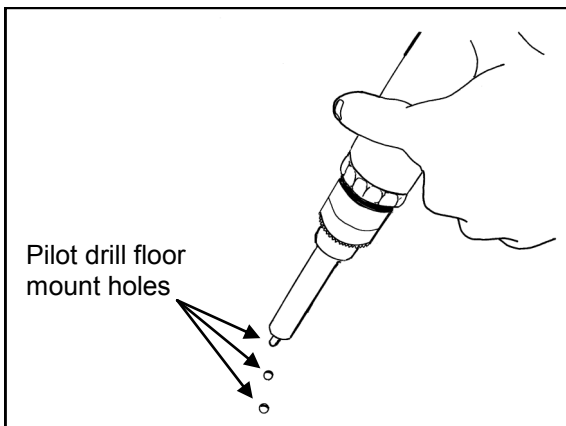
**Note:** Some models have an air cylinder located in the area of the intended cargo barrier floor mounts behind the 2nd row seats. Temporarily move this out of the way while installing floor mounts.

13. Pull back the floor covering at the forward sides of the cargo area (just behind 2nd row seats) to expose metal floor shown.

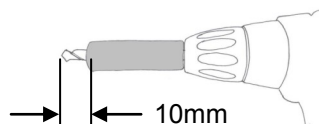
14. Position the LH floor bracket ASM (Item 2) against floor seam as shown.
15. With bracket positioned approximately 3mm from side trim, (use item 5 as a gauge) mark mounting hole positions through bracket onto floor panel.
16. Repeat steps 14 & 15 on the RHS using RH floor bracket (Item 3).



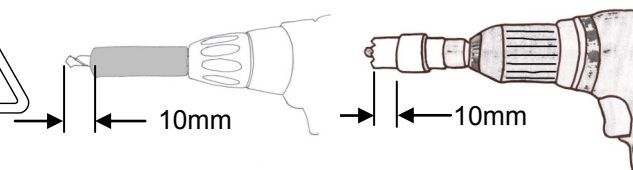
## DRILLING PROCEDURE FOR FLOOR MOUNTS



17. Centre punch each of the marked locations. 6 places.
18. Using a Ø5mm drill bit with drill stop set at 10mm, pilot drill each of the centre punched locations.



19. Using a Ø9mm drill bit with drill stop set at 10mm enlarge each of the outer holes only.
20. Using a Ø22mm hole saw with drill stop set at 10mm, enlarge each of the centre holes only.



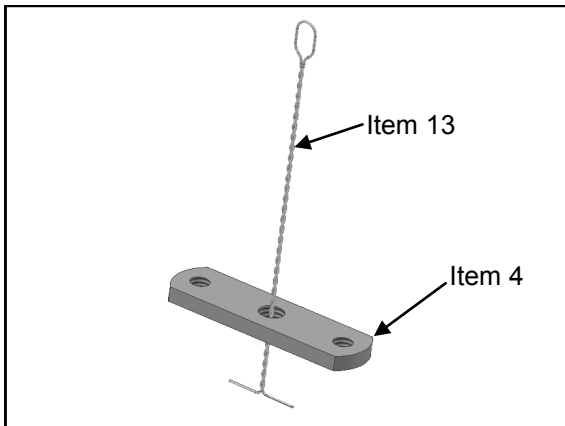
21. Vacuum away all drilling swarf.



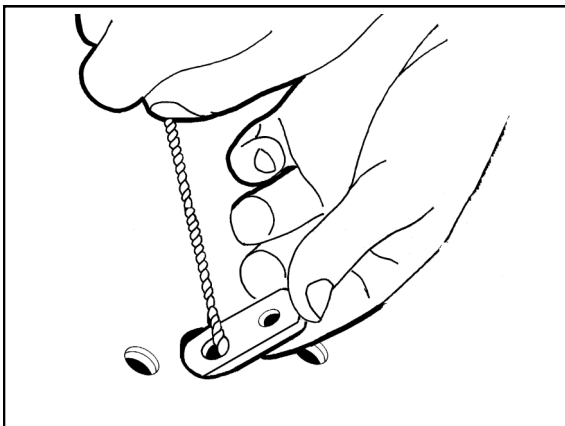
22. Apply rust preventative sealer (Item 15) to all raw edges of drilled holes.



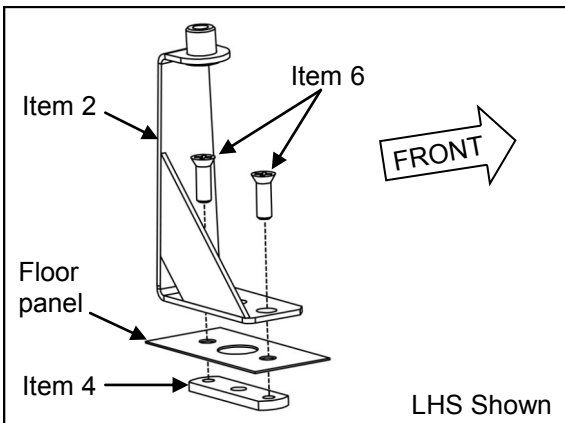
### INSTALLATION PROCEDURE FOR FLOOR MOUNTS



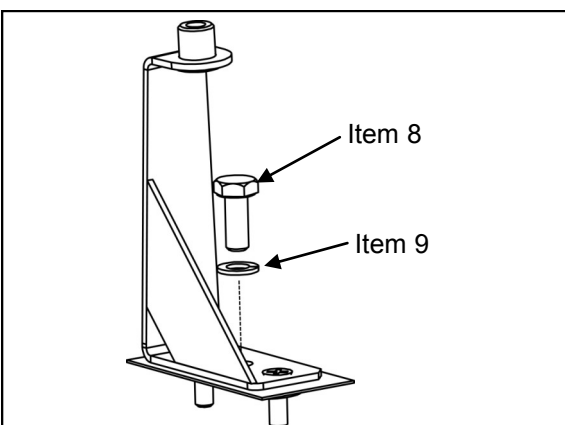
23. Place mounting plate (Item 4) over installation tool (Item 13) as shown.



24. Whilst keeping hold of installation tool push mounting plate through 22mm centre hole in floor panel. Once plate is fully inserted, pull into position on the underside of floor panel with outer holes aligned.



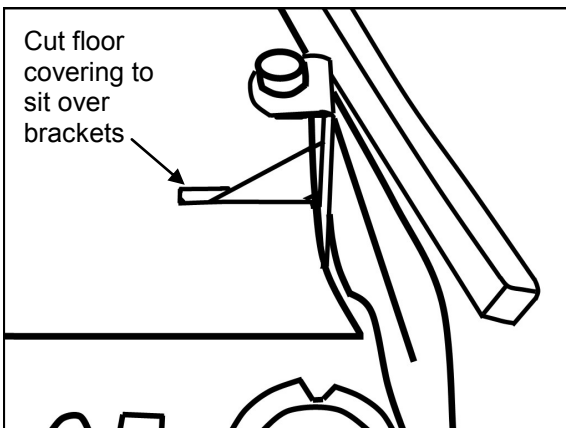
25. Place correct bracket ASM (Item 2 for LHS—Item 3 for RHS) centre mounting hole over installation tool.
26. With the bracket upright to the outside of the vehicle, align the outer holes with the mounting plate holes.
27. With all holes aligned secure in place using 1" CSK screws (Item 6) through the outer holes.
28. Remove the installation tool by pulling upwards. Reset the ends ready for use on the other side.



29. Place M10 x 25mm screw (Item 8) with spring washer (Item 9) under head into the centre hole of bracket ASM.
30. Tighten all screws.
31. Repeat steps 23 to 30 on the other side.



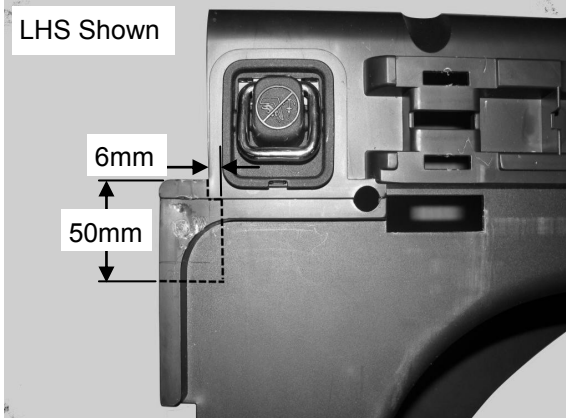
## INSTALLATION PROCEDURE FOR FLOOR MOUNTS – Cont'd



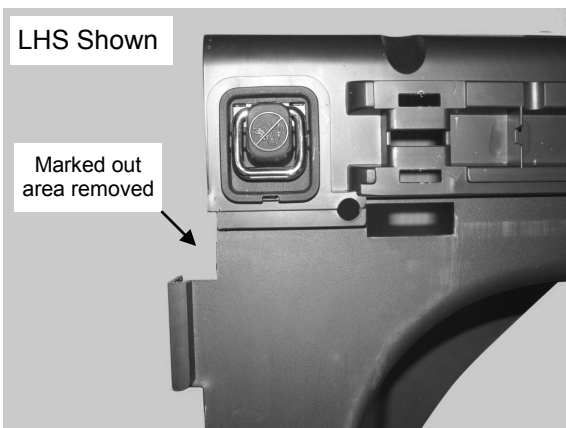
32. Cut the soft floor covering to fit back around the floor brackets.



Note: Some models require the hard plastic spare wheel surround to be modified as shown below.



33. Mark out the hard plastic spare wheel surround as shown, on both sides.

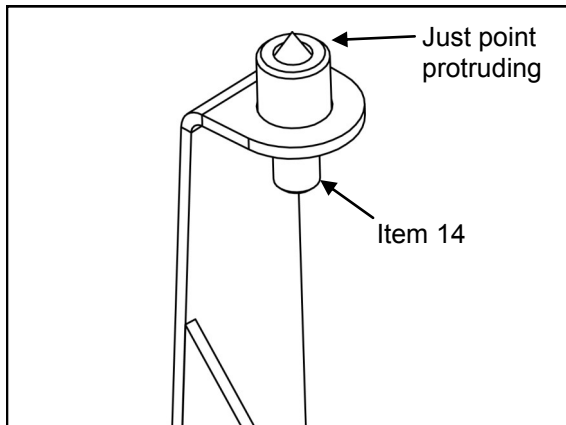


34. Using suitable cutting tools, cut away the marked out areas.
35. Replace the hard plastic spare wheel surround. Secure back in place and reconnect wiring plug where applicable.





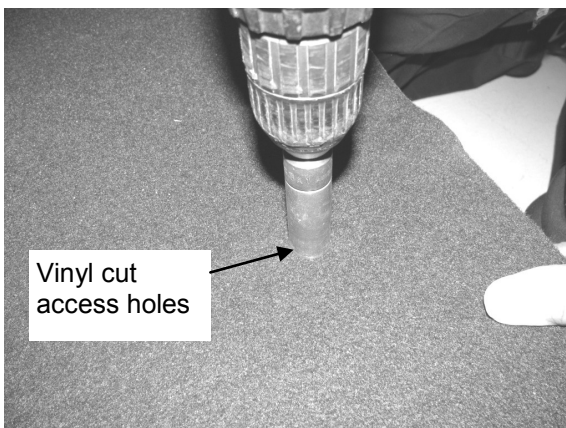
### INSTALLATION PROCEDURE FOR FLOOR MOUNTS– Cont'd



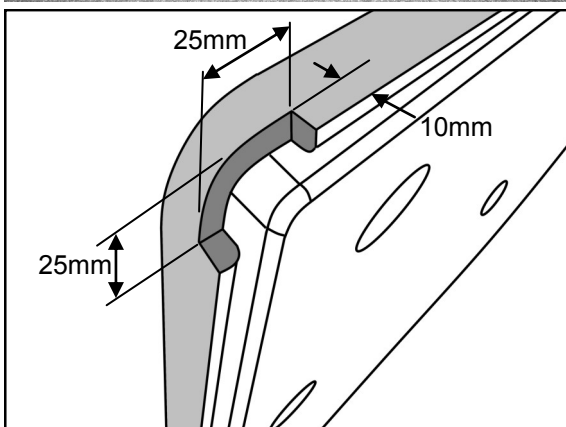
36. Screw marking pins (Item 14) into top of mounting brackets with just the points protruding as shown.



37. Reposition the front floor panel back into its home location.
38. Once positioned correctly apply pressure to the panel at the approximate locations of the marking pins.
39. Remove panel and locate marking pin indents on the back face.



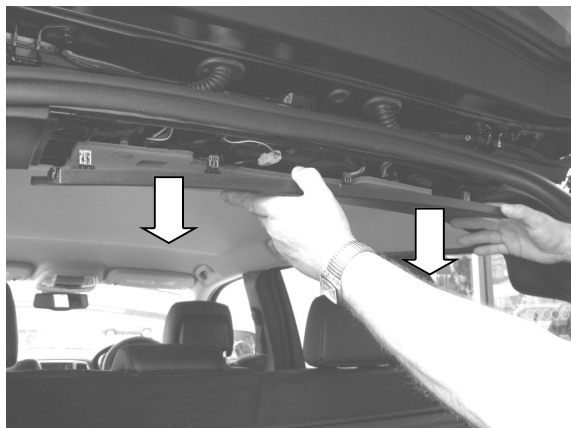
40. At each of the marked locations drill a Ø5mm pilot hole.
41. From the top face of the floor panel, cut through the panel at the pilot hole locations using a Ø20mm vinyl cutter.
42. Vacuum away cutting dust then replace panel in vehicle.
43. Remove the marking pins.



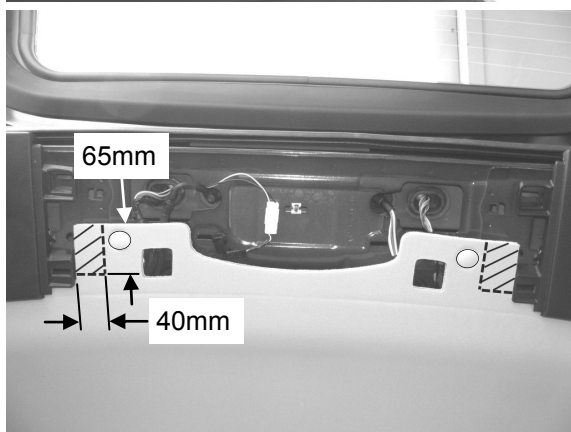
44. Mark out the front bottom corners of the cargo area floor panel as shown.
45. Using a suitable cutting tool such as a multi tool, cut away the front bottom corners to allow clearance around the cargo barrier floor brackets.
46. Relocate the floor panel in the vehicle.



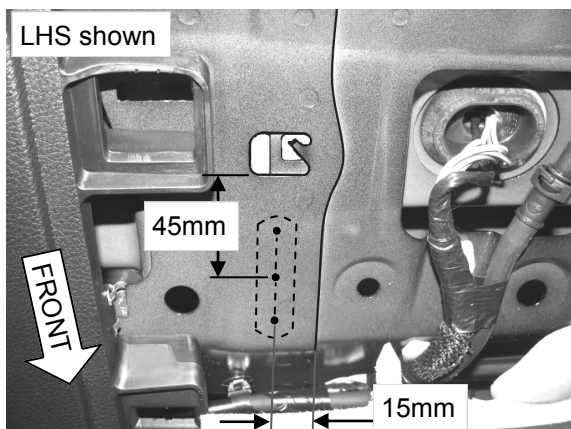
## MARKING PROCEDURE FOR ROOF MOUNTS



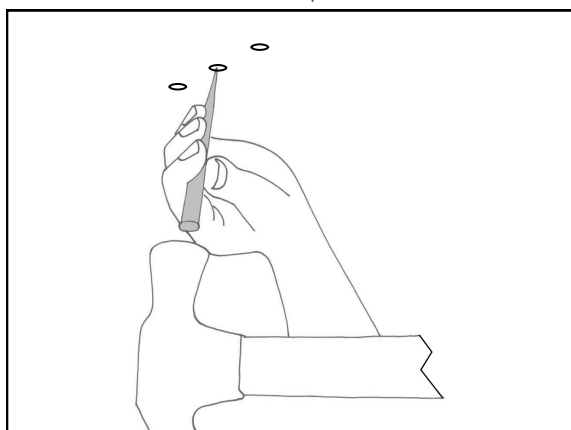
47. Place a drop sheet over the cargo area to protect vehicle.
48. Using suitable trim removal tools remove the hard plastic centre trim from roof area over top of tailgate opening.



49. Part of the rear edge of the roof lining will need to be removed to allow roof mounts to be installed. Mark out the rear most corners of the roof lining as shown.
50. Using a sharp knife carefully cut away the marked areas.



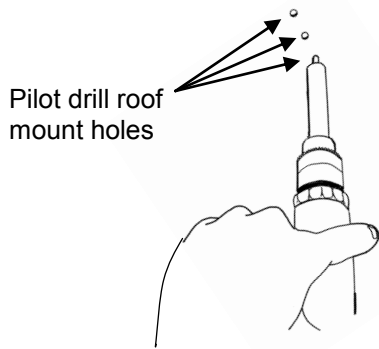
51. Mark mounting plate centre hole location on roof panel as shown. (45mm forward of rectangular hole in panel & 15mm outboard from join in panel. Repeat on the other side.
52. Using mounting plate (Item 4) as a template align the centre hole over marked location from above. With plate held parallel to panel join mark the outer hole locations.



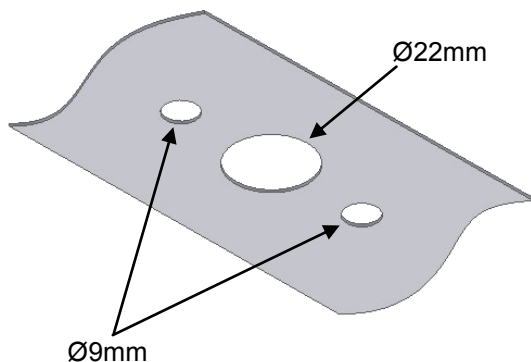
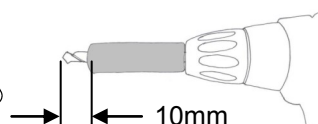
53. Centre punch all marked hole locations. (6 places)



## DRILLING PROCEDURE FOR ROOF MOUNTS



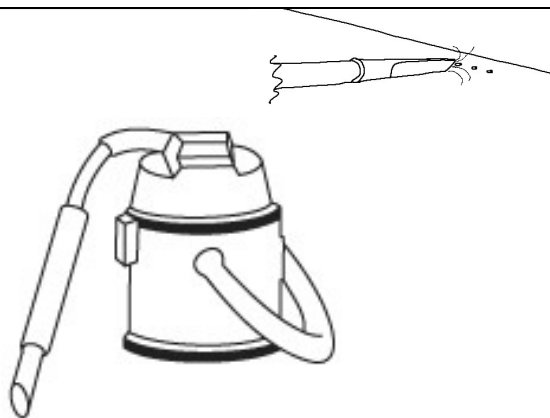
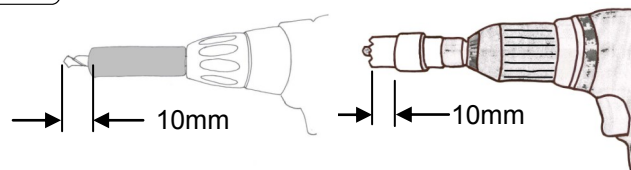
54. Using a Ø5mm drill bit with drill stop set at 10mm, pilot drill each of the centre punched locations.



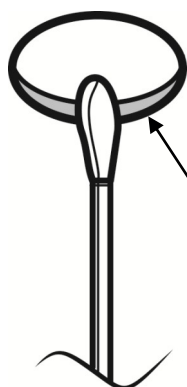
55. Using a Ø9mm drill bit with drill stop set at 10mm enlarge each of the outer holes only.



56. Using a Ø22mm hole saw with drill stop set at 10mm, enlarge each of the centre holes only.



57. Vacuum away all drilling swarf.



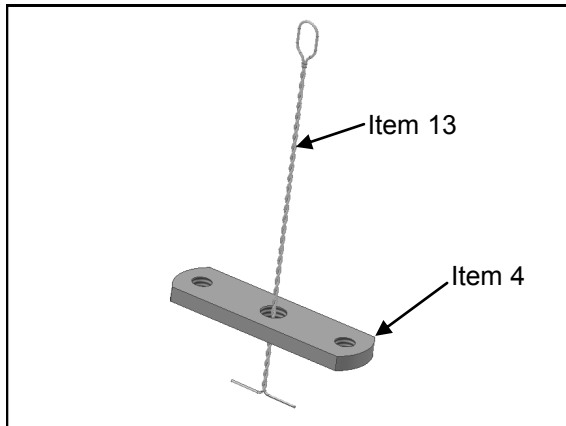
Liberally apply rust preventative sealer



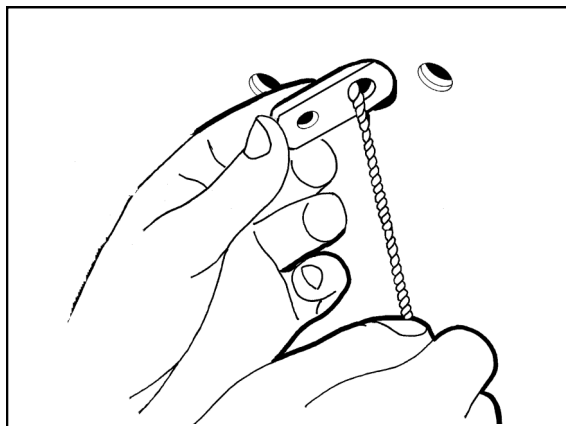
58. Apply rust preventative sealer (Item 15) to all raw edges of drilled holes.



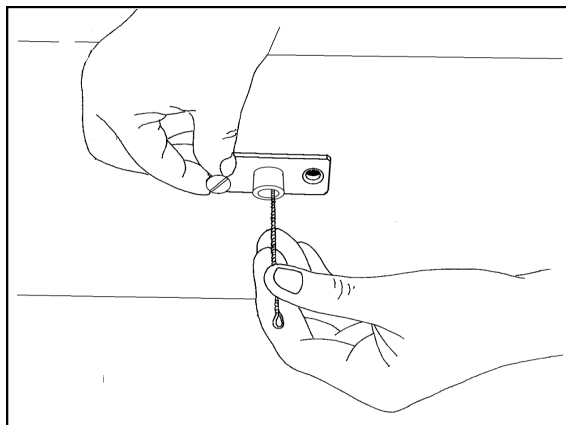
### INSTALLATION PROCEDURE FOR ROOF MOUNTS



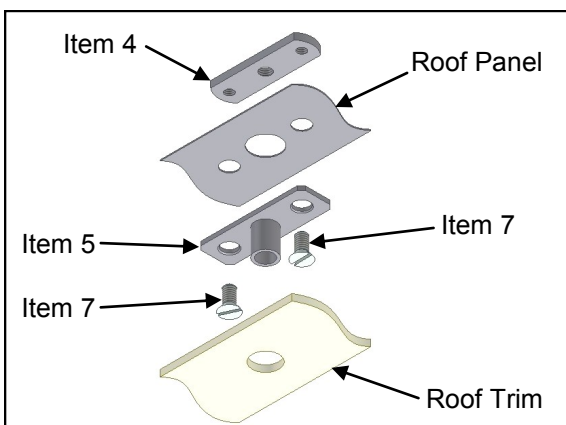
59. Place mounting plate (Item 4) over installation tool (Item 13) as shown.



60. Whilst keeping hold of installation tool push mounting plate through 22mm centre hole in roof panel. Once plate is fully inserted, pull into position on the outside of roof panel with outer holes aligned.



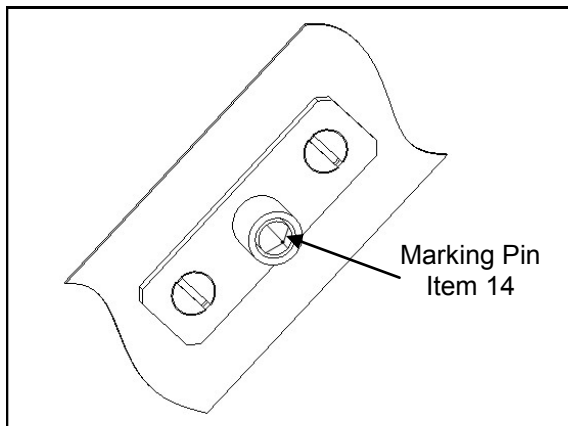
61. Whilst keeping hold of installation tool place cover plate ASM (Item 5) centre hole over installation tool as shown.  
62. With all holes aligned secure in place using  $\frac{3}{4}$ " CSK screws (Item 7) through the outer holes.  
63. Remove the installation tool by pulling downwards. Reset the ends ready for use on the other side.



64. Temporarily fit 34mm Milbolts (Item 10) to centre threads of roof mounts to ensure correct alignment.  
65. Tighten outer screws.  
66. Remove Milbolts.  
67. Repeat procedure on other side.



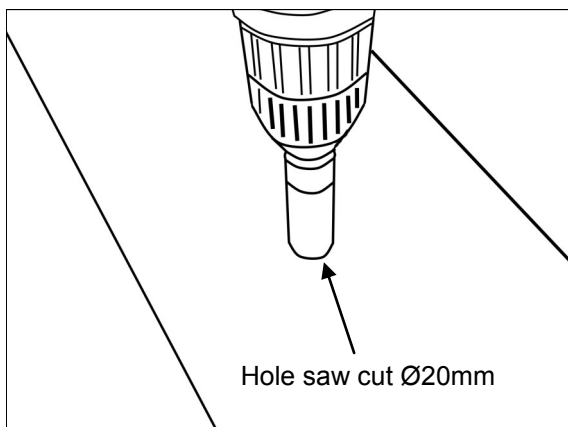
### CUT ACCESS HOLES FOR ROOF MOUNTS



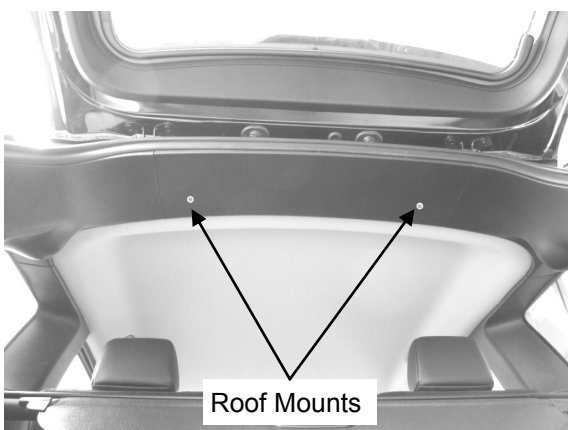
68. Screw marking pins (Item 14) into centre threads of roof mounts with just the points protruding.



69. Reposition roof trim back in home position.  
70. With roof trim in correct position apply pressure at the approximate locations of the marking pins.



71. Remove panel and locate marking pin indents on the back face.  
72. At each of the marked locations drill a Ø5mm pilot hole.  
73. Using a Ø20mm hole saw enlarge each of the pilot holes.  
74. Deburr cut holes.  
75. Remove marking pins.



76. Reinstall centre trim panel to the vehicle.

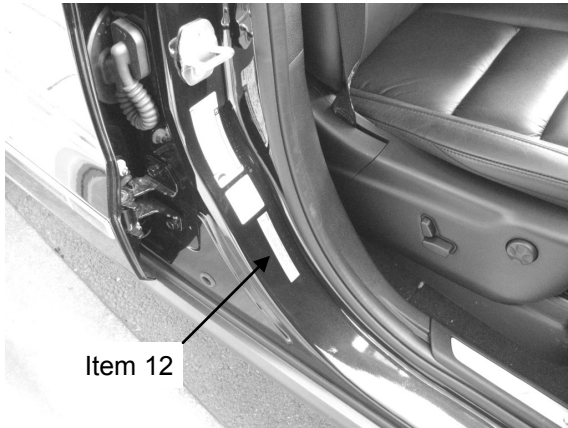
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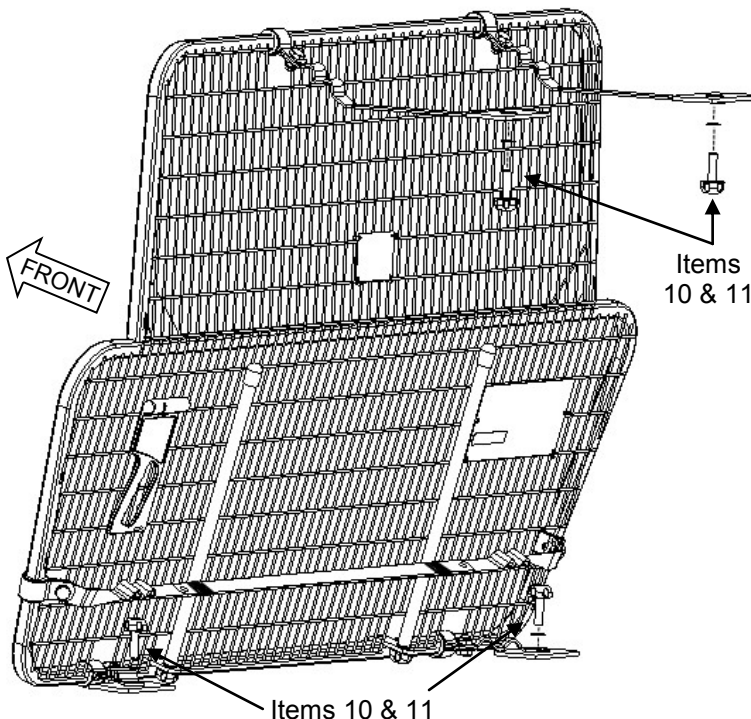
## AFFIXING OF WARNING LABEL



77. Clean area inside drivers door opening as shown using cleaning pad (Item 16).
78. Allow to dry then affix orange warning label (Item 12) 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'



- Remove cargo blind if installed.
- Place Cargo Barrier in vehicle directly behind 2nd row of seats with rating label (meshed side of barrier) facing the rear of the vehicle.
- Attach top straps to upper mounts using 34mm Milbolts (Item 10) with Wave washers (Item 11) under heads.
- Attach short bottom straps to bottom mounts using 34mm Milbolts (Item 10) with Wave washers (Item 11) under heads.
- Tighten all Milbolts.
- Replace cargo blind if required.



# JEEP GRAND CHEROKEE CARGO BARRIER INSTALLATION INSTRUCTION

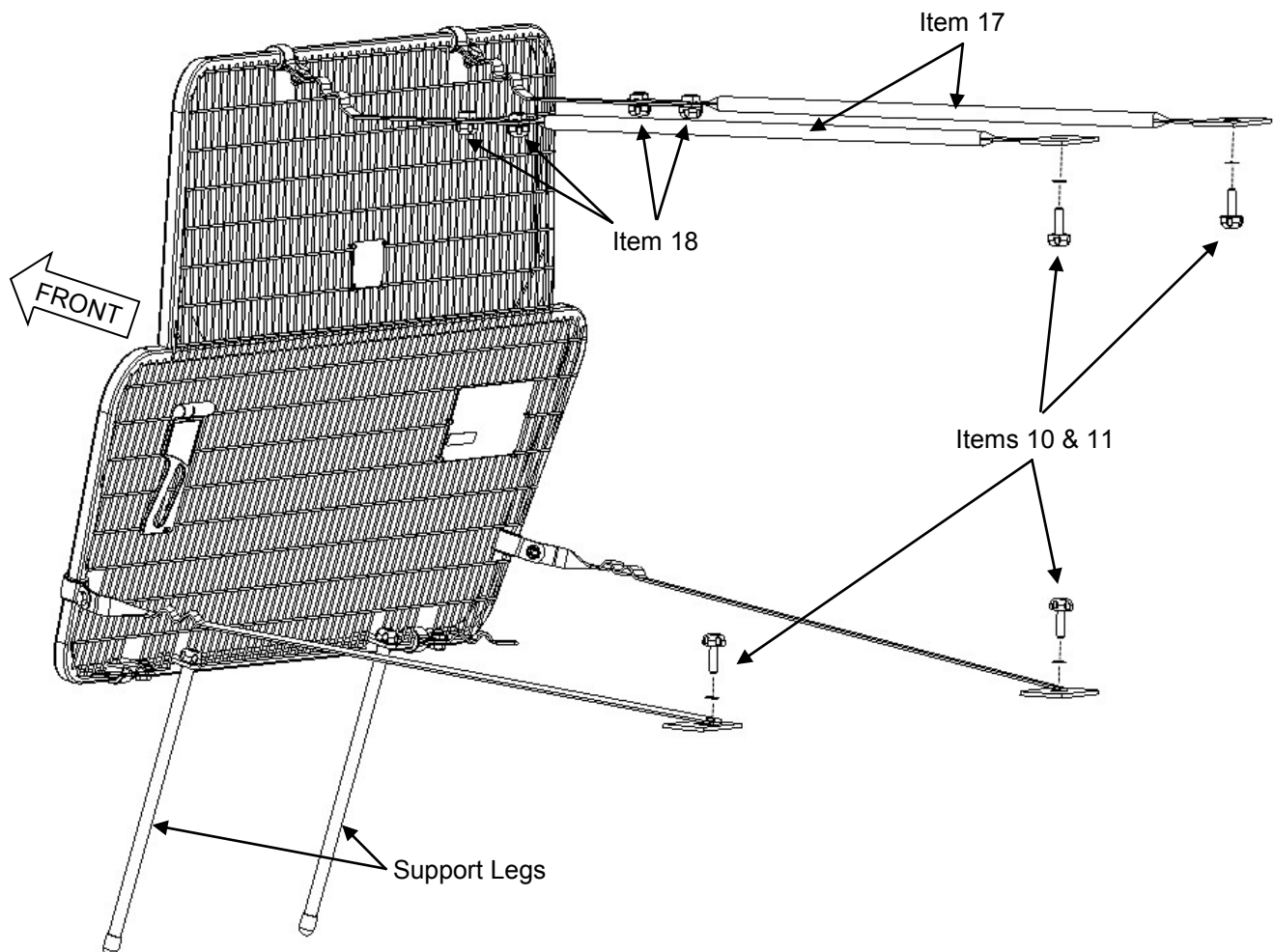
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## INSTALLATION OF CARGO BARRIER 'Behind 1st row of seats'

- Fold 2nd row seat back, down as shown in the owners handbook.
- Lay cargo barrier on its back in cargo area.
- Attach support legs to frame brackets as shown using 24mm Milbolts supplied.
- Position cargo barrier in place behind 1st row seats with support legs resting on floor.
- Attach top extension tube straps (Item 17) to top straps using 14mm Milbolts (Item 18) (2 per strap) as shown.
- Attach other end of top extension straps to upper mounts using 34mm Milbolts (Item 10) with Wave Washers (Item 11) under heads.
- Untie long bottom straps from cargo barrier panel.
- Attach free end of bottom straps to lower mounts using 34mm Milbolts (Item 10) with Wave washers (Item 11) under heads.
- Tighten all Milbolts.



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