



**MAZDA CX9**  
**CARGO BARRIER INSTALLATION INSTRUCTION**  
**Part # 704700**  
VEHICLE YEARS OF MANUFACTURE - FROM DEC. 2007



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. \*Optional front position kit part #704702 is required for installation behind 1st row of seats. The installation kit supplied contains sufficient components for fitment to behind 2nd row seats location 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 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.***

# MAZDA CX9

## CARGO BARRIER INSTALLATION INSTRUCTION

### Part # 704700

VEHICLE YEARS OF MANUFACTURE - FROM DEC. 2007



**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 8)	704700	1
2	Threaded Hex Spacer—M8 x 1.25 x 35mm ZP	753038	4
3	Screw—Button Head—M8 x 1.25 x 16mm ZP	913140	4
4	Washer—Spring 8mm ZP	932030	4
5	Screw—Button Head—M6 x 1 x 20mm ZP	912981	2
6	Screw—Button Head—M6 x 1 x 40mm ZP	912513	2
7	Tube Spacer Ø16 x 22mm ZP	754729	2
8	Washer—Flat 6mm ZP	932080	4
9	Trim plug—Base with Lid	753075	2
10	Trim plug—Insert	753077	2
11	Milbolt—M10 x 1.5 x 19mm	912820	2
12	Milbolt—M10 x 1.5 x 29mm	912830	2
13	Marking Pin—M10 x 25mm	906185	1
14	Wave Washer—M10 ZP	932125	4
15	Adhesive Warning Label (orange)	905017	1
16	Cleaning Pad (Sachet) (not shown)	906302	1
17	Bottom Side Bracket LH	753238	1
18	Bottom Side Bracket RH	753236	1
19	Roof Bracket	776659	1



2



3



4



5



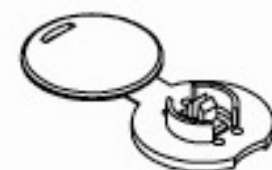
6



7



8



9



10



11



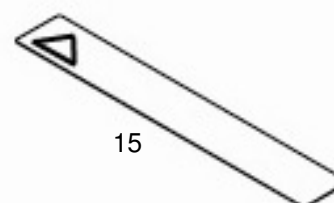
12



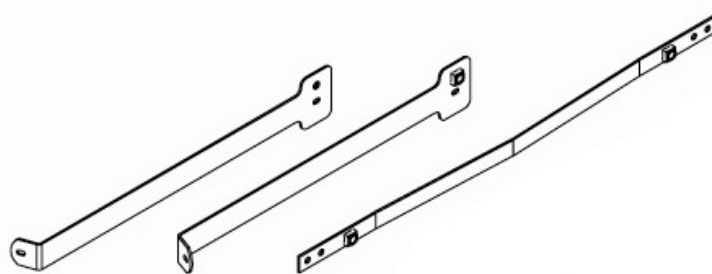
13



14



15



17

18

19

These items shown at reduced scale to rest of kit

**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.**

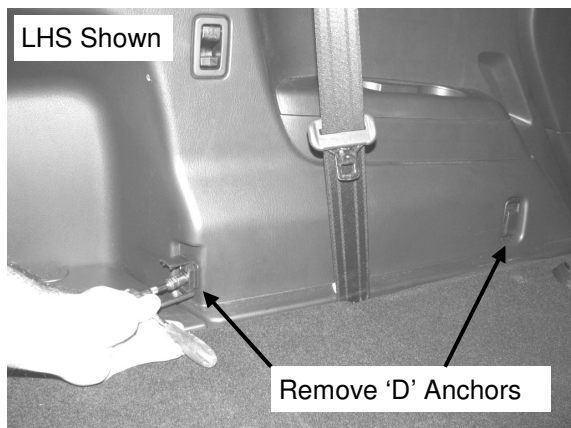
## TOOLS REQUIRED

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> Socket wrench</li> <li><input type="checkbox"/> Metric hex sockets</li> <li><input type="checkbox"/> Metric spanners</li> <li><input type="checkbox"/> Trim removal tools</li> <li><input type="checkbox"/> Power Drill</li> <li><input type="checkbox"/> Masking Tape</li> <li><input type="checkbox"/> Marker Pen</li> <li><input type="checkbox"/> 5mm Drill Bit</li> <li><input type="checkbox"/> Drill stop</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> 20mm Vinyl Cutter</li> <li><input type="checkbox"/> Ø8.5 Vinyl cutter Mandrel</li> <li><input type="checkbox"/> Hex bits &amp; driver</li> <li><input type="checkbox"/> Sharp Knife</li> <li><input type="checkbox"/> Torque Wrench 9Nm/30Nm</li> <li><input type="checkbox"/> Vacuum Cleaner</li> <li><input type="checkbox"/> Cover sheet / Drop sheet</li> <li><input type="checkbox"/> Screwdrivers—Small Flat, Phillips</li> </ul> |
|---|---|



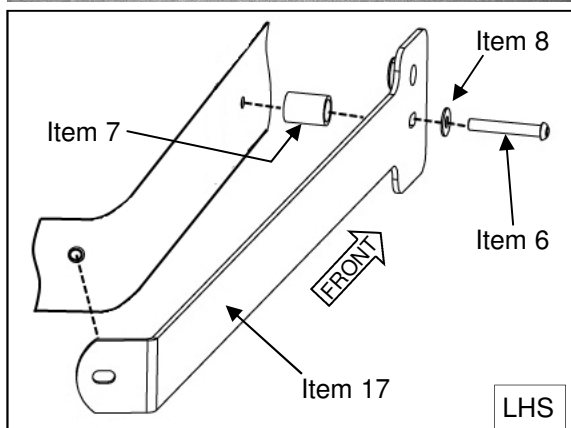
## INSTALLATION PROCEDURE FOR FLOOR MOUNTS

LHS Shown

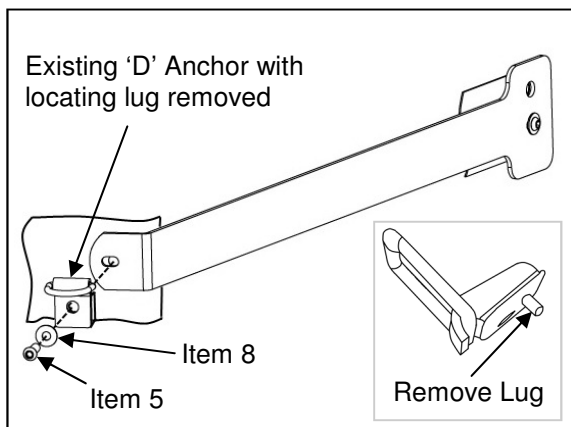


1. Familiarise yourself with the area where bottom mounts are to be located. Sides of cargo area.
2. Remove the 'D' anchors from the sides of the cargo area. (2 per side)

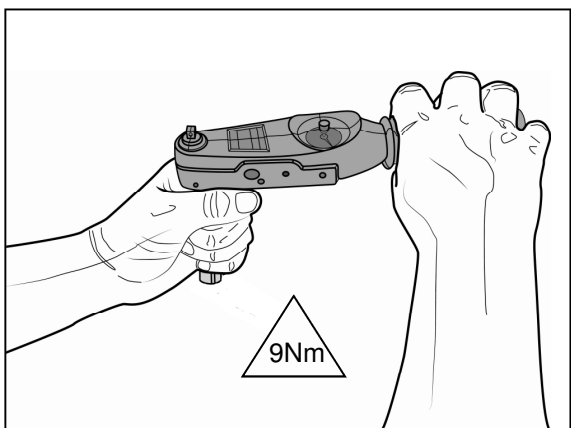
**Note:** The forward anchors will not be replaced. The screws from the rear 'D' anchors will be replaced with high tensile screws from kit.



3. Locate LH bottom side bracket (Item 17) over 'D' anchor mounting positions as shown. (Ensure bracket is behind seat belt)
4. Place a tube spacer (Item 7) in between bracket and side panel at front securing hole location.
5. Secure the bracket in place at the front securing hole using M6 x 40mm button head screw (Item 6) with flat washer (Item 8) under head. Leave loose at this stage.



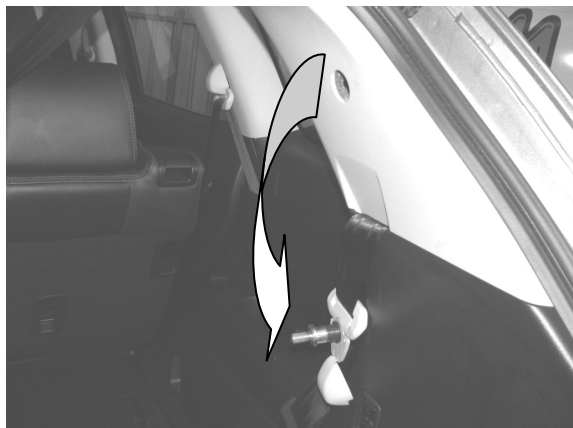
6. Cut away the locating lug from the backside of the rear 'D' anchors.
7. Using M6 x 20mm button head screw (Item 5) with flat washer (Item 8) under head secure the 'D' anchor back in place over the top of the side bracket at the rear mounting location.
8. Repeat procedure on RHS using RH bottom bracket (Item 18).



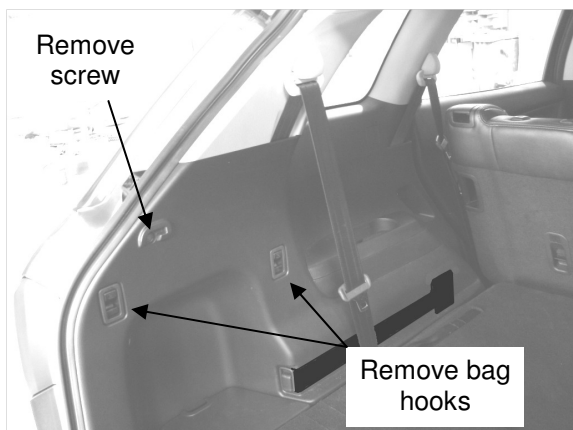
9. Tighten & torque all M6 screws to 9Nm. Do not over tighten.



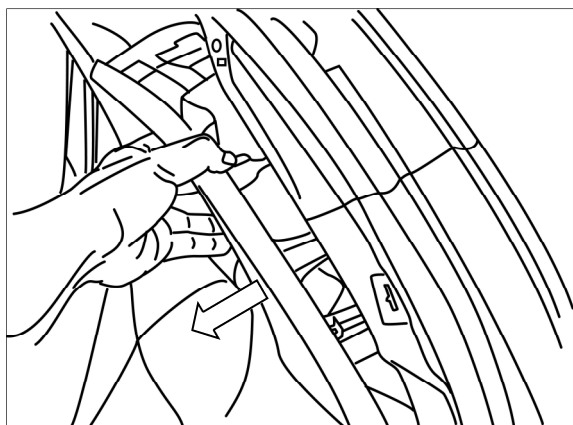
## INSTALLATION PROCEDURE FOR UPPER MOUNT BRACKET



10. Familiarise yourself with the area above the rear tailgate opening where the upper cargo barrier mounting bracket will be installed.
11. Remove the upper seat belt anchor bolts for the 3rd row of seats only. Both sides.



12. Remove the bag hooks from each side of the cargo area. (2 per side)
13. Remove the screws at the cargo blind rear hook location. (1 each side)



14. Carefully remove the trim clips securing the roof lining at the rear edge. (x2)
15. Using suitable trim removal tools, carefully unclip the top edges of the rear 1/4 trims so as to allow the roof lining to be pulled down about 70mm at the rear edge.

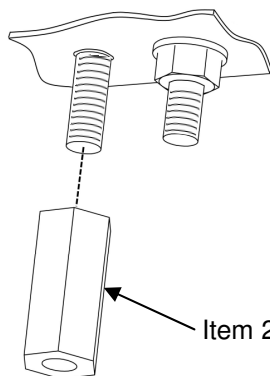


16. Carefully ease the rear edge of the roof lining down until the tailgate hinge nuts can be accessed.
17. Before starting installation ensure all tailgate hinge nuts are tight by torquing up to 8.5Nm. (4 nuts)





## INSTALLATION PROCEDURE FOR UPPER MOUNT BRACKET—Cont'd



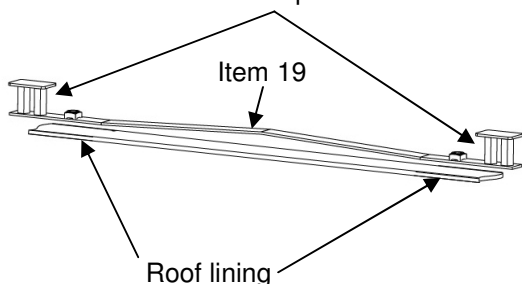
  
**Change one  
nut at a time to  
prevent tailgate  
moving**

Item 2

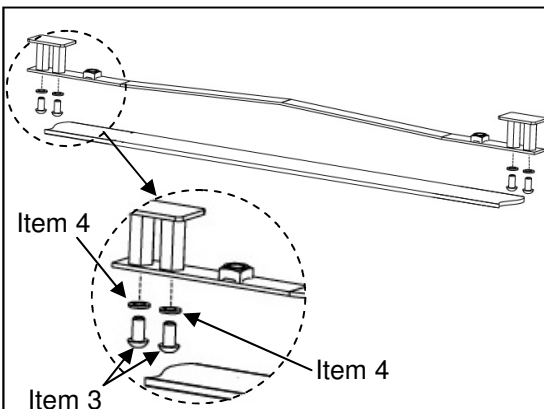


18. Working on “**ONE**” hinge stud at a time remove the M8 nut.
19. Replace the nut with a threaded hex spacer (Item 2).
20. Torque up threaded spacer to 8.5Nm.
21. Repeat procedure for all 4 studs but only “**ONE**” at a time.

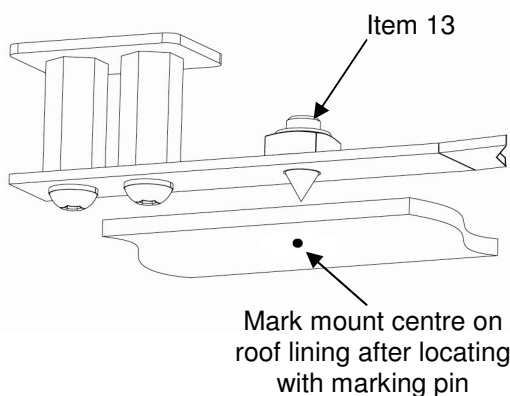
Tailgate hinge studs with  
threaded hex spacers fitted



22. Position roof bracket (Item 19) over threaded spacers as shown. M10 captive nuts should face upwards.



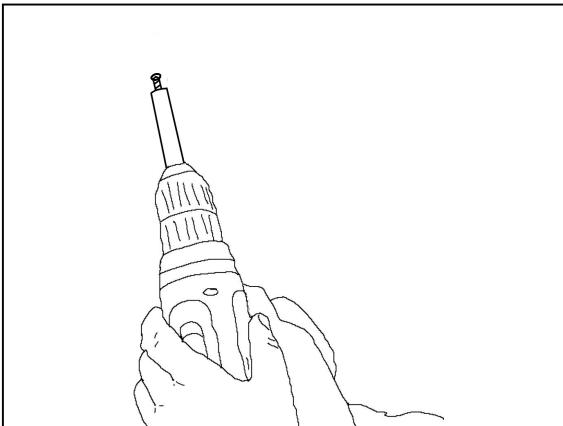
23. Secure the bracket to the threaded spacers using M8 button head screws (Item 3) with spring washers (Item 4) under heads. (4 places)
24. With all screws in place torque up to 8.5Nm.



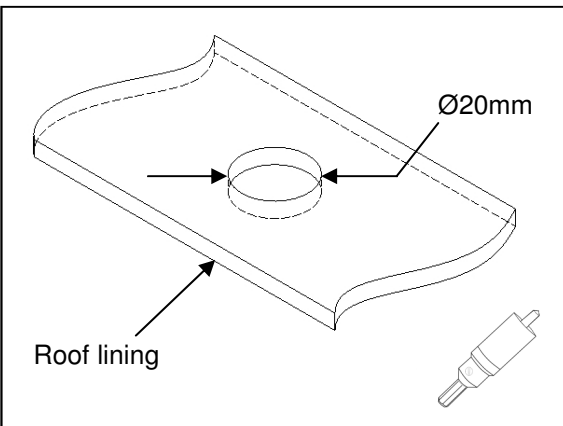
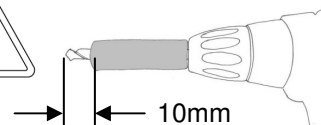
25. Fit marking pin (Item 13) to one of the M10 captive nuts on roof bracket with just the point protruding downwards.
26. Carefully push the roof lining against the marking pin until the point can be seen on the cabin side. Mark this location with marker pen.
27. Remove marking pin and repeat procedure on other side.



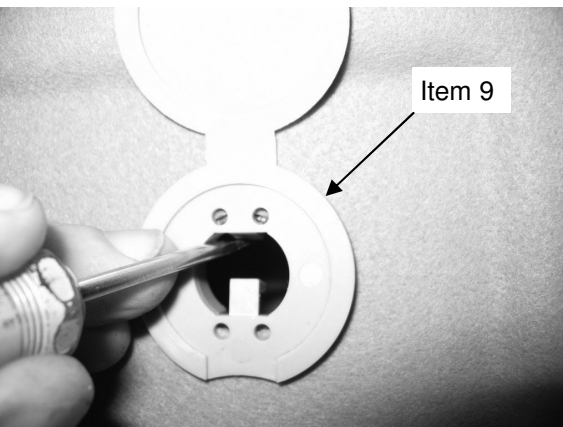
## INSTALLATION PROCEDURE FOR UPPER MOUNT BRACKET—Cont'd



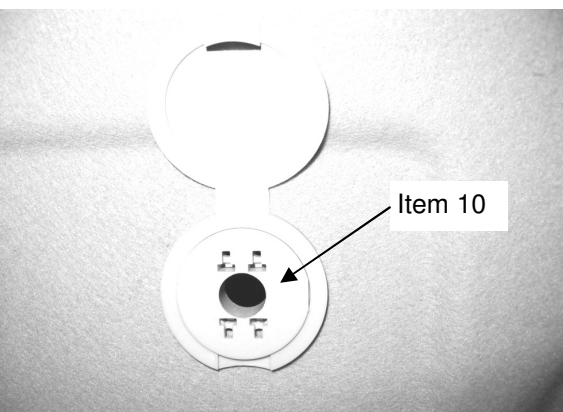
28. Using a Ø5mm drill bit with drill stop set at 10mm carefully drill a pilot hole through roof lining at each of the marked locations from steps 26/27.



29. Using a Ø20mm Vinyl Cutter cut through the roof lining at each of the pilot drilled locations from above. *Use of a Ø8.5mm mandrel on vinyl cutter is recommended to ensure correct alignment with mounting nut.*



30. Insert trim plug base with lid (Item 9) into 20mm hole in trim with lid facing forward.
31. Using a small screwdriver or similar push retention legs outwards behind roof trim. *(Failure to do this may cause legs to detach from base when placing trim plug insert)*



32. Push trim plug insert (Item 10) into centre of base until it clips in place flush.
33. Repeat steps 30 to 32 for other mount.
34. Re-attach roof lining, trims and all items removed in steps 11 to 15. Reset rubber seal along top of tailgate opening.
- Torque up seat belt bolts to 30Nm.**





## AFFIXING OF WARNING LABEL

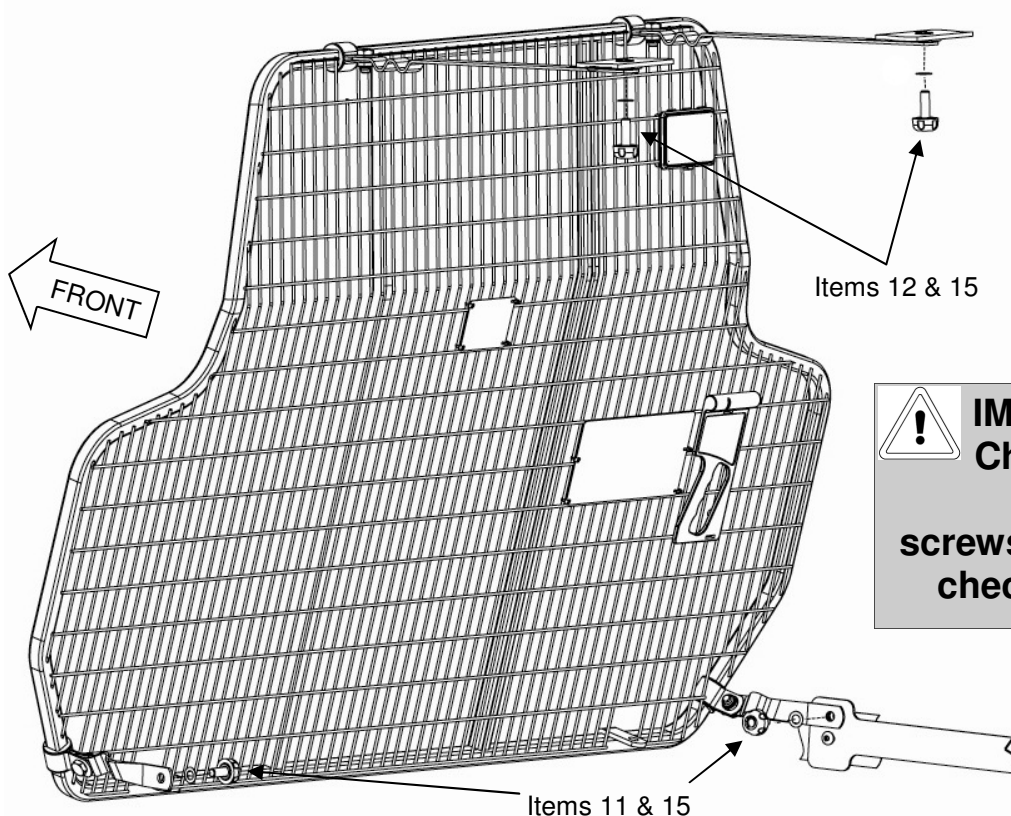


35. Clean area inside drivers door opening as shown using cleaning pad (Item 16).
36. Allow to dry then affix orange warning label (Item 15) at that location as shown.

***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 29mm Milbolts (Item 12) with Wave washers (Item 14) under heads.
- Attach short bottom straps to bottom side mounts using 19mm Milbolts (Item 11) with Wave washers (Item 14) under heads.
- Tighten all Milbolts.
- Replace cargo blind if required.



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