



HYUNDAI iMAX
CARGO BARRIER INSTALLATION INSTRUCTION
Part # 708900
VEHICLE YEARS OF MANUFACTURE - FROM FEB. 2008



This cargo barrier is capable of being located in one position only, behind the 3rd row of seats with the seats in an upright position. The installation kit contains sufficient components for fitment in this location. 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.



HYUNDAI iMAX CARGO BARRIER INSTALLATION INSTRUCTION

Part # 708900

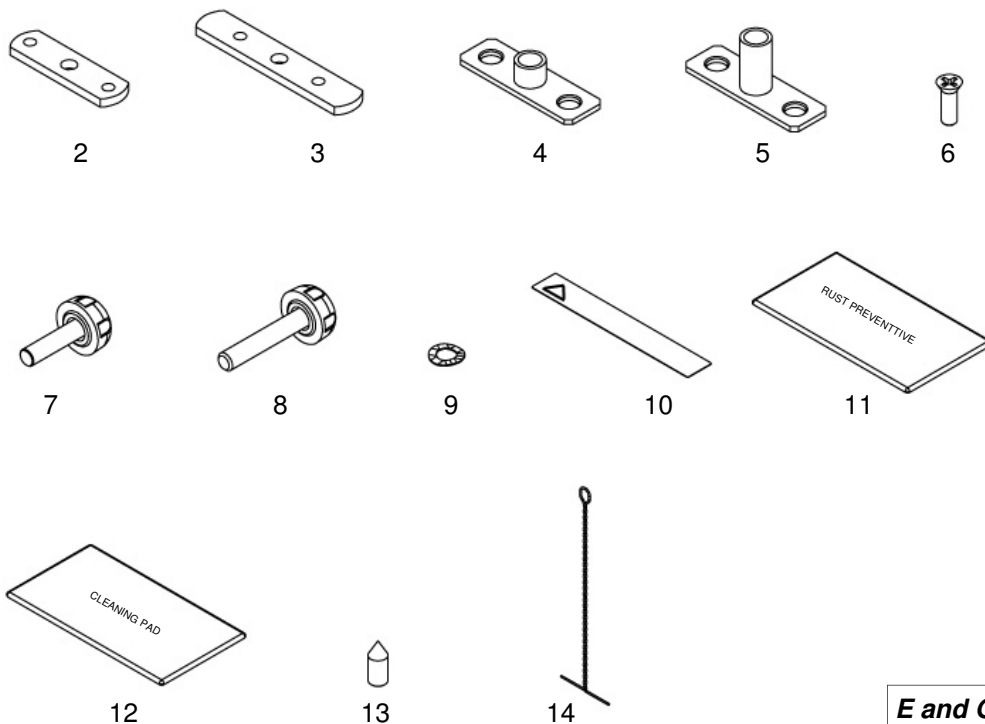
VEHICLE YEARS OF MANUFACTURE - FROM FEB. 2008



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 13)	708900	1
2	Mounting Plate (Short) ZP	754000	2
3	Mounting Plate (Long) ZP	754593	2
4	Cover Plate ASM—12mm tube spacer (Upper mounts)	754602	2
5	Cover Plate ASM—30mm tube spacer (Bottom mounts)	754620	2
6	CSK Screw—5/16" BSW x 1"	912900	8
7	Milbolt - M10 x 39mm	912840	2
8	Milbolt - M10 x 59mm	913115	2
9	Wave Washer—10mm	932125	4
10	Warning Label (Orange)	905017	1
11	Rust Preventative Sealer (Sachet)	906300	1
12	Cleaning Pad (Sachet)	906302	1
13	Marking Pin—M10 x 1.5 x 25mm	906185	1
14	Installation Tool	754200	2



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.**

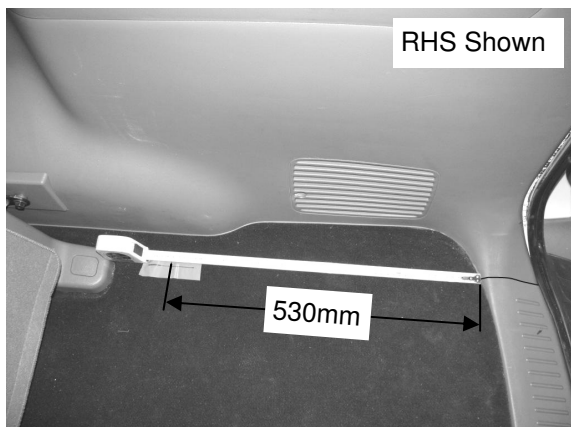
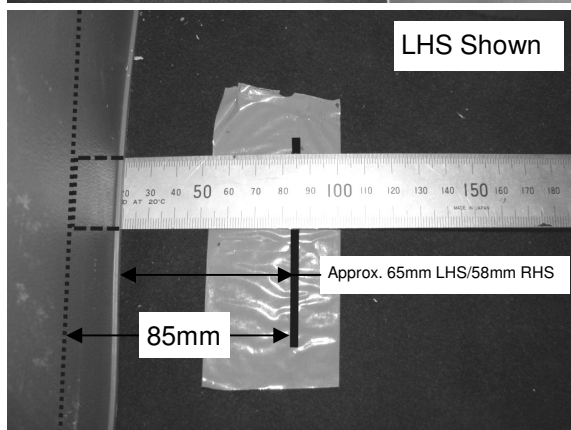
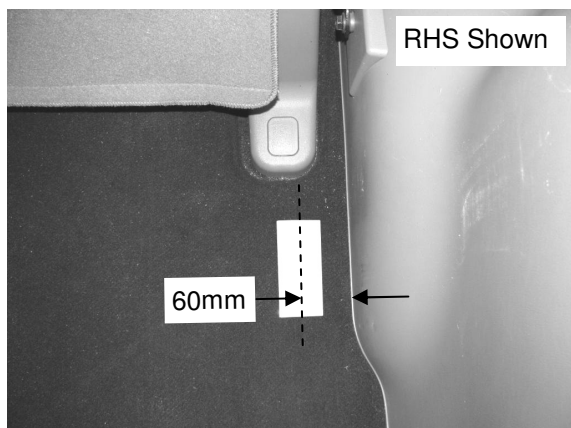
**CARE SHOULD BE TAKEN NOT TO CROSS THREAD THE FASTENERS DURING
INSTALLATION OF COMPONENTS TO THE VEHICLE.**

TOOLS REQUIRED

- | | |
|---|---|
| <input type="checkbox"/> Tape Measure | <input type="checkbox"/> 20mm, 22mm Hole Saws |
| <input type="checkbox"/> Steel Rule | <input type="checkbox"/> 20mm Vinyl Cutter |
| <input type="checkbox"/> Trim removal tools | <input type="checkbox"/> Hole De-Burring Tool |
| <input type="checkbox"/> Screwdrivers/Driver Bits (#4 Phillips) | <input type="checkbox"/> Magnetic Pickup Tool |
| <input type="checkbox"/> Power Drill | <input type="checkbox"/> Rust Preventative Applicator |
| <input type="checkbox"/> Masking Tape | i.e. Cotton Bud |
| <input type="checkbox"/> Marker | <input type="checkbox"/> Vacuum Cleaner |
| <input type="checkbox"/> Hammer | <input type="checkbox"/> Cover sheet / Drop sheet |
| <input type="checkbox"/> Centre Punch | <input type="checkbox"/> Sharp Knife |
| <input type="checkbox"/> 5mm, 9mm Drill Bits | <input type="checkbox"/> Mineral Turpentine |
| <input type="checkbox"/> Drill stop's | <input type="checkbox"/> Clean Rag |



MARKING PROCEDURE FOR FLOOR MOUNTS



1. Identify area which you will be working in. Cargo floor behind 3rd row of seats.
2. Place masking tape onto floor covering at approximate location shown.
3. Repeat on LHS.

4. Using a steel rule with the end pushed against the base of the steel wheel arch behind trim, measure inboard 85mm at the masking tape location as shown. Mark 85mm dimension onto masking tape.
5. Repeat on other side.

6. From the forward outer end of the rear skid plate trim measure forward 530mm as shown. Mark this location onto masking tape. (Where the lines intersect will be the M10 centre hole of the floor mount mounting plates)
7. Repeat procedure on LHS.



8. Using a Ø5mm drill bit with drill stop set at 50mm, drill a pilot hole through the floor covering and metal panel approx. 30mm behind, at each of the marked locations.

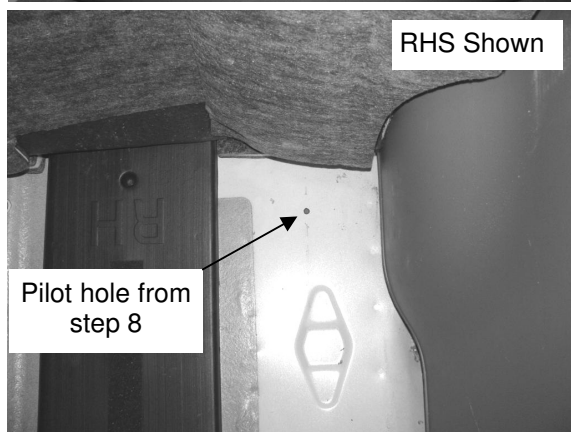
Note: Ensure drill is held perpendicular to floor when drilling.



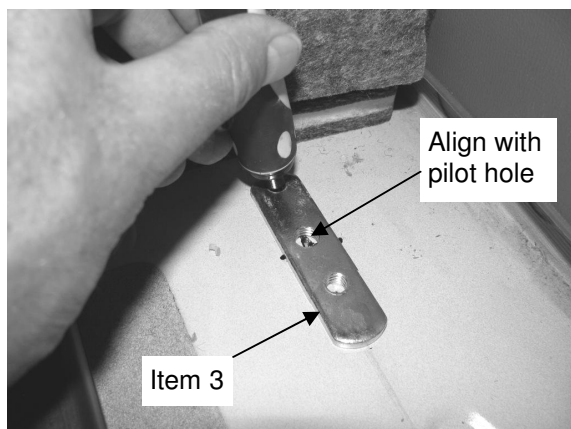
MARKING PROCEDURE FOR FLOOR MOUNTS– Cont'd



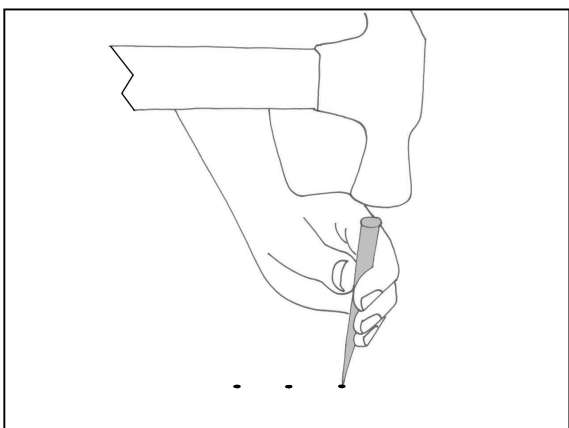
9. Using suitable trim removal tool, carefully unclip the rear skid plate and remove.
10. Carefully lift the floor covering up as shown taking care not to scratch plastic side trims.



11. Locate the pilot holes drilled at step 8.



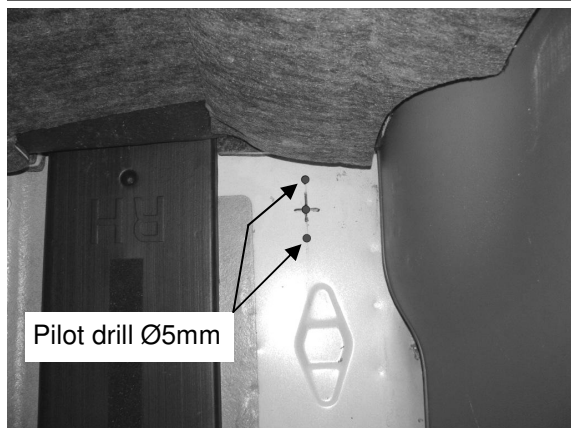
12. Using long mounting plate (Item 3) as a template, position centre hole over pilot hole from step 8.
13. With the mounting plate held parallel to the plastic side trim mark the outer hole positions onto the floor panel.
14. Repeat on other side.



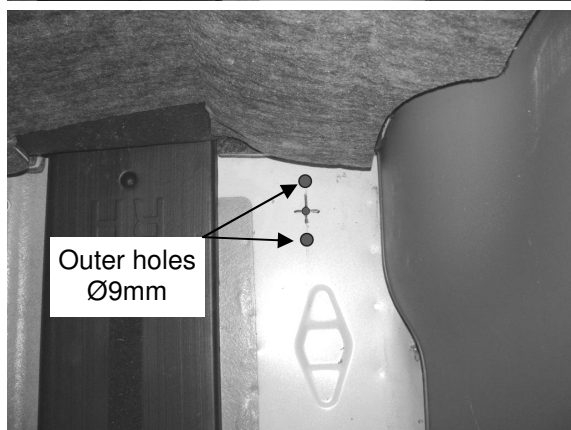
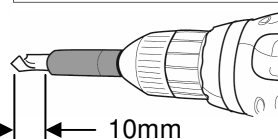
15. Centre punch the 4 marked locations.



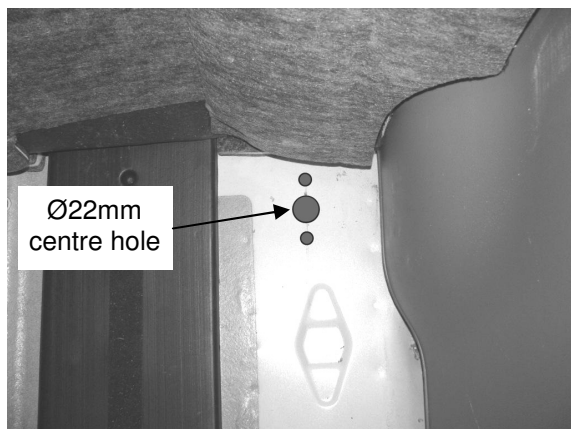
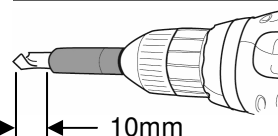
DRILLING PROCEDURE FOR FLOOR MOUNTS



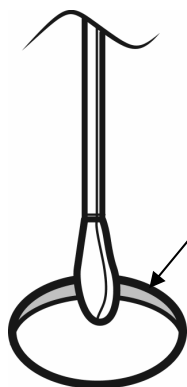
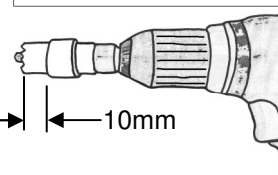
16. Using a Ø5mm drill bit with drill stop set at 10mm, pilot drill the 4 centre punched locations from step 15.



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



18. Using a Ø22mm hole saw with drill stop set at 10mm enlarge the centre holes only.



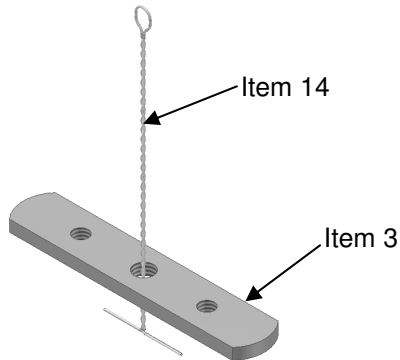
Liberally apply
rust preventative
sealer



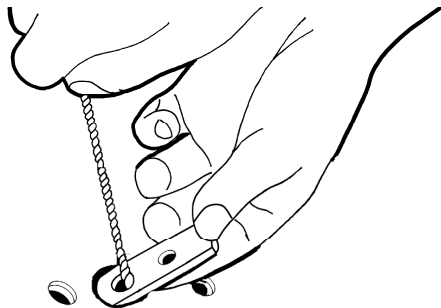
19. Pick up any dropped drilling slugs using magnetic pickup tool.
20. Vacuum away all drilling swarf.
21. Apply rust preventative sealer (Item 11) to all raw edges of drilled holes.



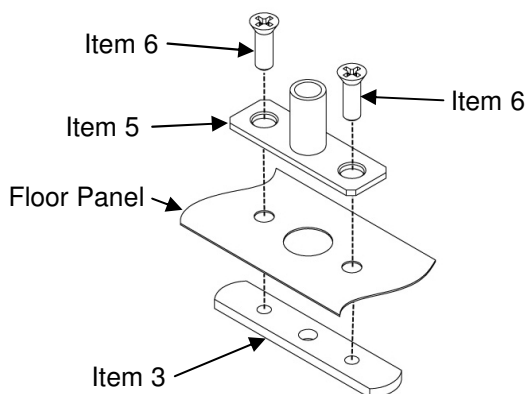
INSTALLATION PROCEDURE FOR FLOOR MOUNTS



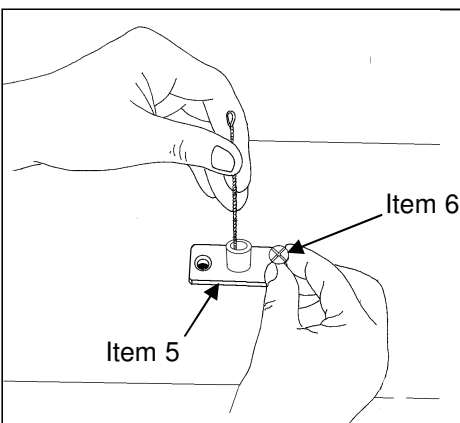
22. Place long mounting plate (Item 3) over installation tool (Item 14) as shown.



23. 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.

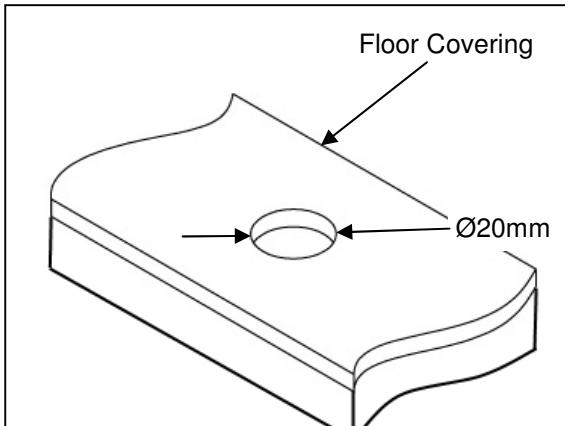


24. Whilst keeping hold of installation tool place cover plate assembly (Item 5) centre hole over as shown.
25. With all holes aligned secure the assembly in place using 1" CSK screws (Item 6) before removing installation tool by pulling upwards.
26. Tighten outer screws.
Hint: Thread Milbolt (Item 8) into centre hole before tightening outer screws to ensure correct alignment.
27. Remove Milbolt.
28. Repeat procedure for other side. (Ends of installation tool will need to be reset before proceeding)





INSTALLATION PROCEDURE FOR FLOOR MOUNTS—Cont'd



29. Lay floor covering back in place.
30. Check alignment of the pilot holes in floor covering with spacer tubes on floor mount cover plates.
31. If correctly aligned cut a Ø20mm clearance hole through the floor covering at each of the pilot holes, using a 20mm vinyl cutter.
32. If alignment is out, adjust as required then cut Ø20mm clearance holes.



33. Reposition floor covering fully back in place over the top of cover plate spacer tubes.
34. Replace rear skid plate trim.

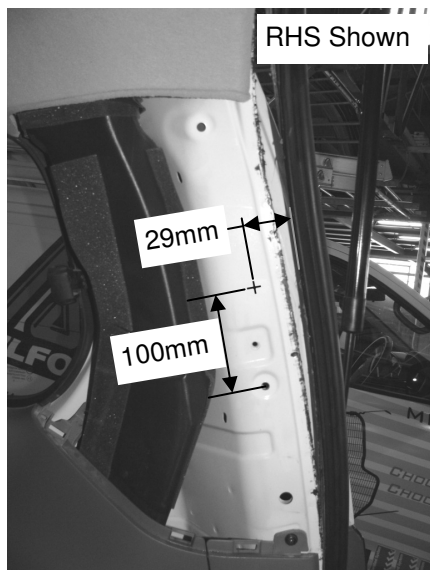
MARKING PROCEDURE FOR UPPER MOUNTS



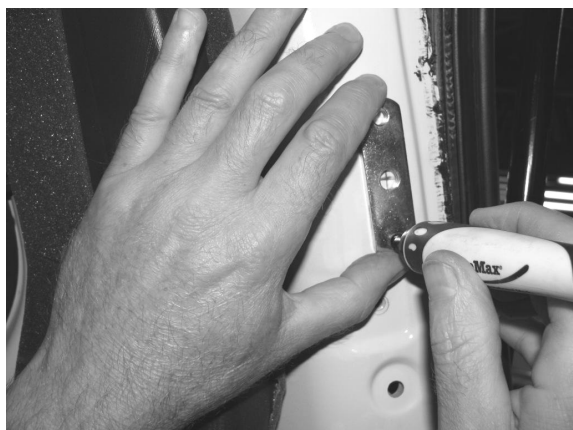
35. Place a drop sheet over floor area to protect covering and trims.
36. Remove the rubber door seal along the top sides of the rear door opening.
37. Carefully remove the rear upper plastic 1/4 trims using suitable trim removal tools, to expose the metal panel behind. Store trims in a safe place.



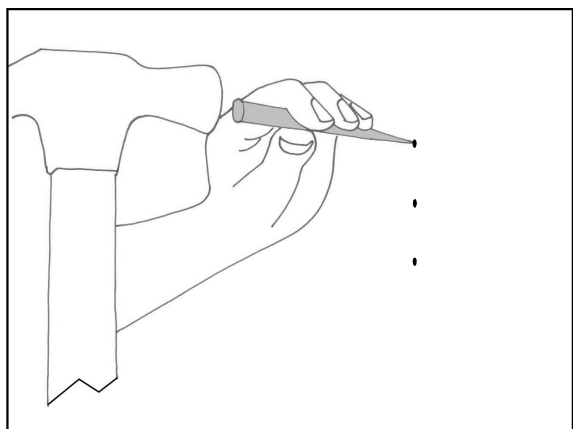
MARKING PROCEDURE FOR UPPER MOUNTS– Cont'd



38. From the centre of the trim plug hole shown measure up 100mm & mark this location as shown.
39. From the edge of the 1/4 panel weld seam measure towards the front 29mm as shown & mark this location. Where the lines intersect is the M10 centre hole of the upper mounting plate.
40. Repeat on other side.



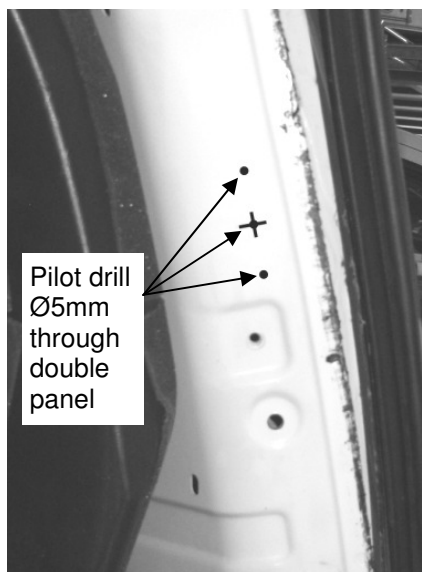
41. Using short mounting plate (Item 2) as a template, position centre hole over marked location from steps 39/40.
42. With the mounting plate held parallel to the 1/4 panel seam, mark the outer hole positions onto the panel as shown.
43. Repeat on other side.



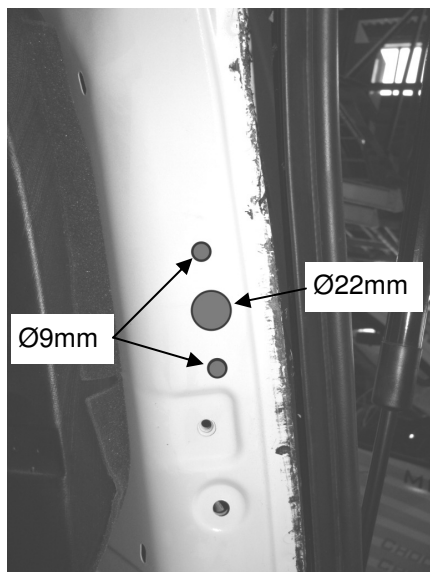
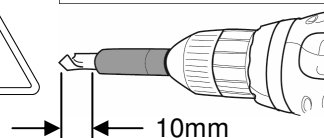
44. Centre punch the 6 marked locations.



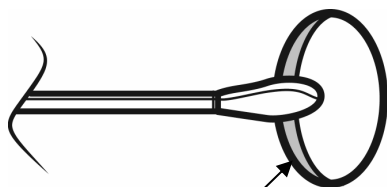
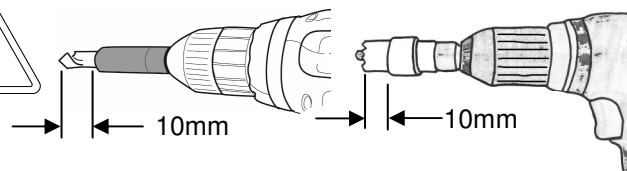
DRILLING PROCEDURE FOR UPPER MOUNTS



45. Using a Ø5mm drill bit with drill stop set at 10mm, pilot drill the 6 centre punched locations from step 44, through surface panel & 2nd panel approx. 6mm behind.



46. Using a Ø9mm drill bit with drill stop set at 10mm enlarge the outer holes only through double panel.
 47. Using a Ø22mm hole saw with drill stop set at 10mm enlarge the centre holes only through double panel.

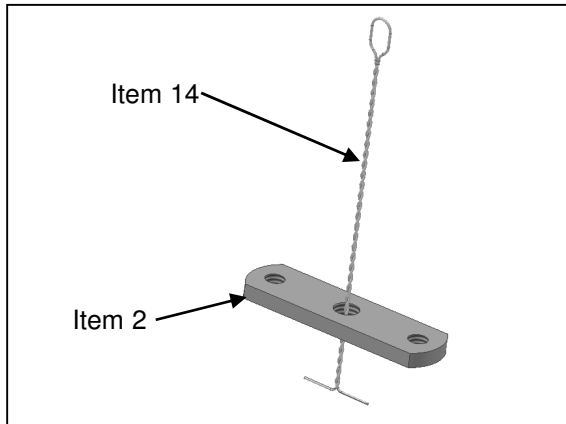


Liberally apply
rust preventative
sealer

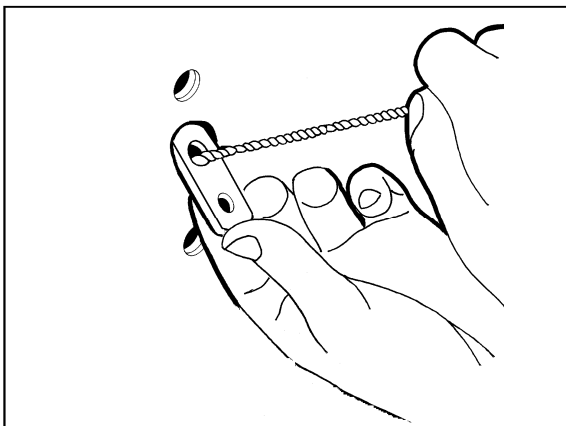
48. Vacuum away all drilling swarf.
 49. Apply rust preventative sealer (Item 11) to all raw edges of drilled holes.



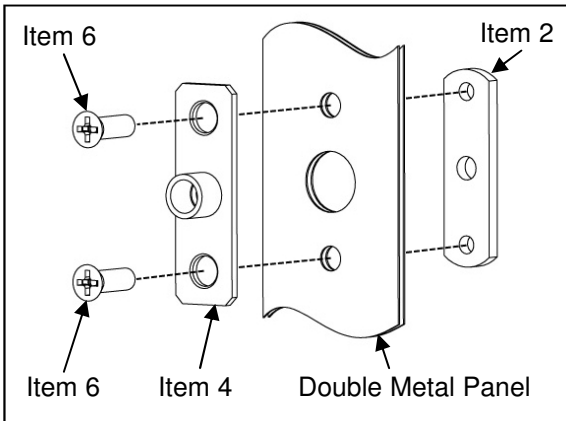
INSTALLATION PROCEDURE FOR UPPER MOUNTS



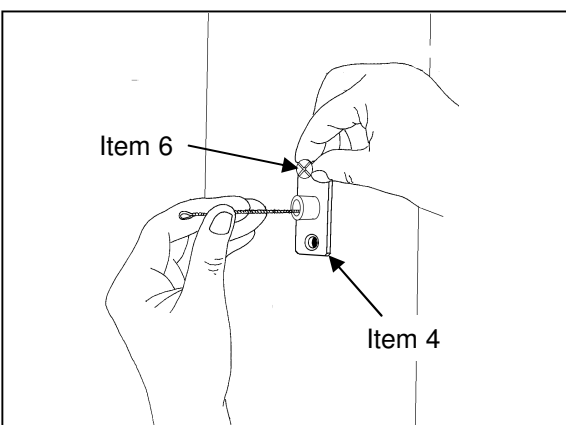
50. Place short mounting plate (Item 2) over installation tool (Item 14) as shown.



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



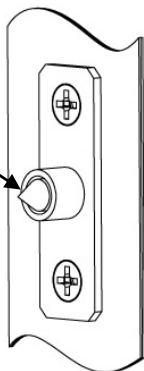
52. Whilst keeping hold of installation tool place cover plate assembly (Item 4) centre hole over as shown.
53. With all holes aligned secure the assembly in place using 1" CSK screws (Item 6) before removing installation tool by pulling inwards.
54. Tighten outer screws.
Hint: Thread Milbolt (Item 7) into centre hole before tightening outer screws to ensure correct alignment.
55. Remove Milbolt.
56. Repeat procedure for other side. (Ends of installation tool will need to be reset before proceeding)





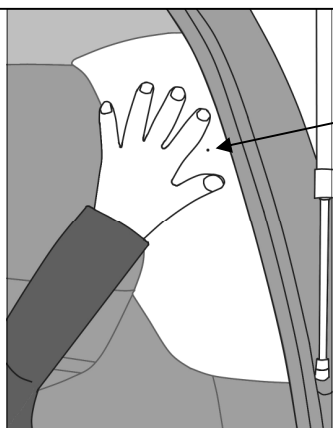
MARK & CUT ACCESS HOLES FOR UPPER MOUNTS

Item 13



57. Screw marking pin (Item 13) into one of the upper mounts with just the point protruding as shown.

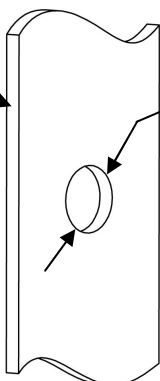
Witness mark



58. Reposition plastic 1/4 trim back in its correct location over the top of marking pin.
59. With trim as close to correct position as is possible apply pressure to the trim at the approximate location of the marking pin, until a witness mark can be seen on the inside face.
60. Remove 1/4 trim & marking pin then repeat procedure on other side.

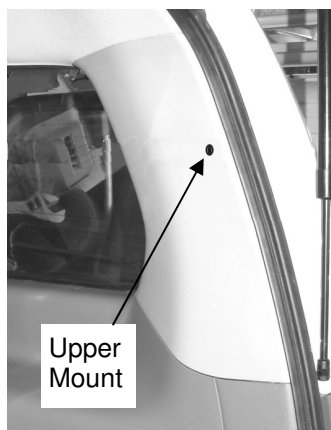
Plastic 1/4 Trim

Ø20mm



61. At the witness mark locations drill a Ø5mm pilot hole through plastic trims.
62. Using a Ø20mm hole saw enlarge the pilot holes.
63. Carefully deburr the cut holes if necessary using a sharp knife.

Upper Mount



64. Reinstall the plastic 1/4 trims to vehicle.
65. Reinstall rubber door seal.
66. Clean up any door seal, sealant marks using mineral turpentine.

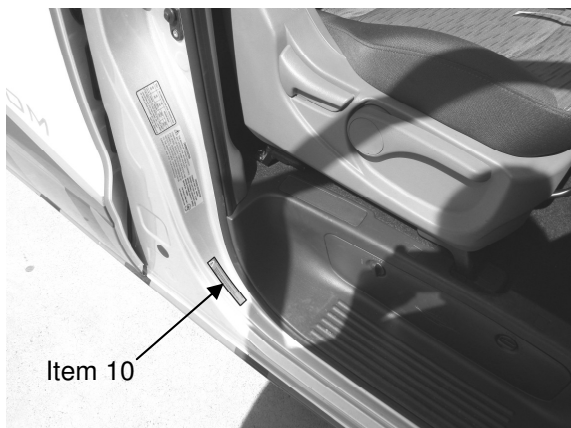
HYUNDAI iMAX CARGO BARRIER INSTALLATION INSTRUCTION

Part # 708900

VEHICLE YEARS OF MANUFACTURE - FROM FEB. 2008



AFFIXING OF WARNING LABEL

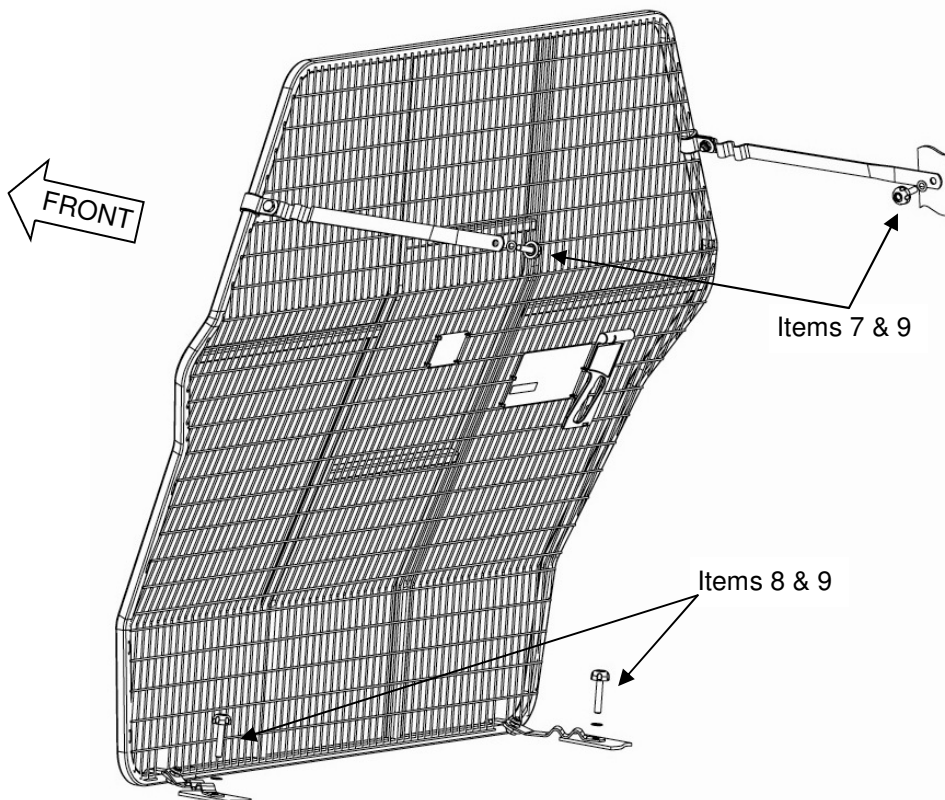


67. Clean area inside drivers door opening as shown using cleaning pad (Item 12).
68. Allow to dry then affix orange warning label (Item 10) at that location as shown.

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

INSTALLATION OF CARGO BARRIER

1. Position cargo barrier in vehicle behind 3rd row of seats with the rating label (meshed side of cargo barrier) facing the rear of the vehicle.
2. Attach upper straps to upper mounts using 39mm Milbolts (Item 7) with wave washers (Item 9) under heads.
3. Attach bottom straps to floor mounts using 59mm Milbolts (Item 8) with wave washers (Item 9) under heads.
4. Tighten all Milbolts.



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