



## **FIAT DUCATO II CARGO BARRIER INSTALLATION INSTRUCTION Part # 503125**

VEHICLE YEARS OF MANUFACTURE - From February 2007



This cargo barrier is capable of being located in one position only, behind the 1st row of seats or directly behind the factory fitted bulkhead. The installation kit contains sufficient components for fitment to 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 0.5 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.**



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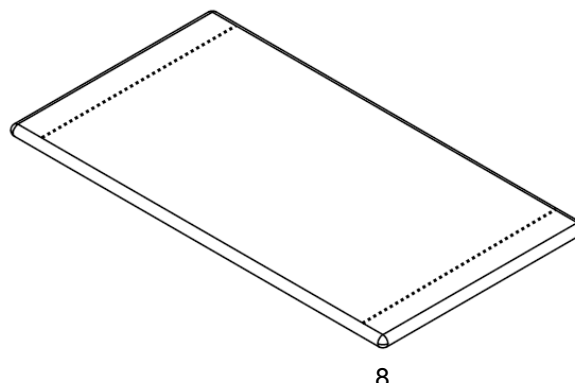
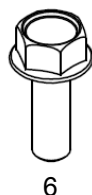
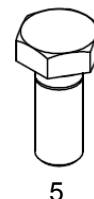
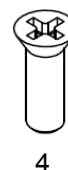
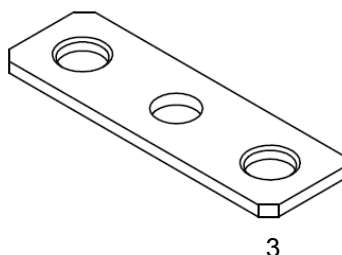
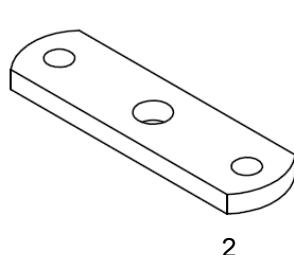
VEHICLE YEARS OF MANUFACTURE - From February 2007



**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 9)	503125	1
2	Mounting Plate ZP	754000	4
3	Cover Plate	754235	4
4	Screw - CSK, 5/16" x 1" ZP	912900	8
5	Screw - Hex Head, M10 x 1.5 x 25mm ZP	912215	4
6	Screw - M8 x 1.25 x 20mm	912785	2
7	Installation Tool	754200	1
8	Rust Preventative Sealer (sachet)	906300	1



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



## 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.**

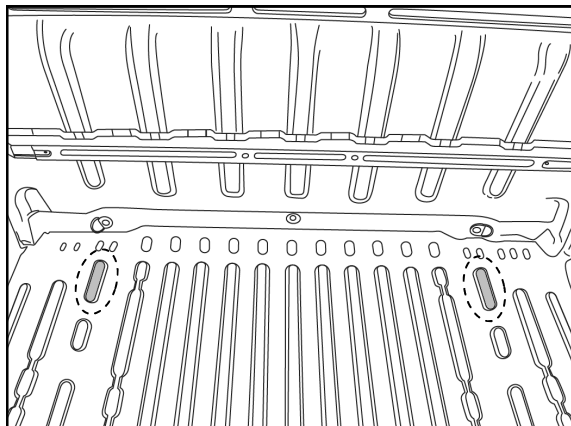
**CARE SHOULD BE TAKEN NOT TO CROSS THREAD THE FASTENERS DURING  
INSTALLATION OF COMPONENTS TO THE VEHICLE.**

## TOOLS REQUIRED

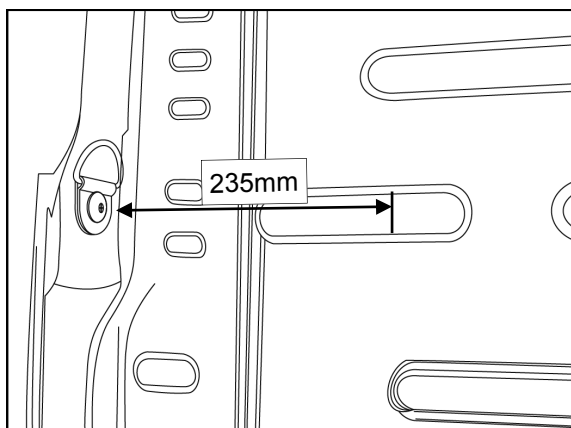
- |   |   |
|---|---|
| <input type="checkbox"/> Tape Measure           | <input type="checkbox"/> 5mm, 9mm, 12mm Drill Bits    |
| <input type="checkbox"/> Steel Rule             | <input type="checkbox"/> Drill stop's                 |
| <input type="checkbox"/> Socket wrench          | <input type="checkbox"/> 22mm Hole Saw                |
| <input type="checkbox"/> Metric hex sockets     | <input type="checkbox"/> Hole De-Burring Tool         |
| <input type="checkbox"/> Hammer                 | <input type="checkbox"/> Magnetic Pickup Tool         |
| <input type="checkbox"/> Centre Punch           | <input type="checkbox"/> Rust Preventative Applicator |
| <input type="checkbox"/> #4 Phillips Driver Bit | <input type="checkbox"/> Vacuum Cleaner               |
| <input type="checkbox"/> Power Drill            | <input type="checkbox"/> Torque Wrench (22Nm)         |
| <input type="checkbox"/> Marker Pen             |   |



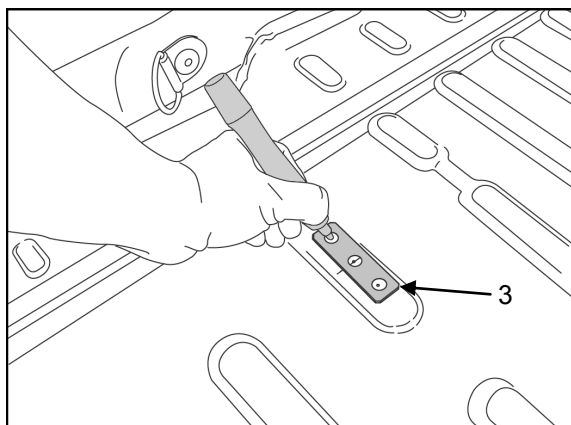
## MARKING PROCEDURE FOR FLOOR MOUNTS



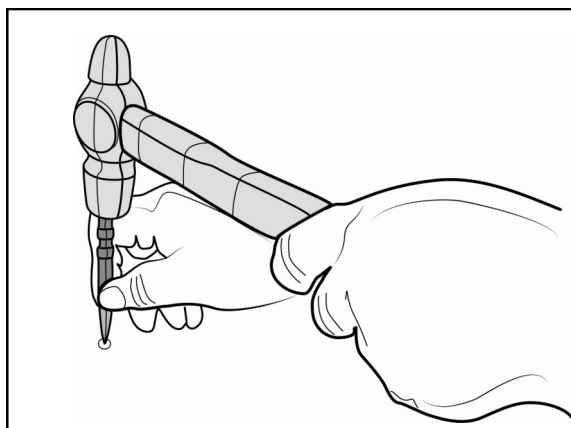
1. Familiarise yourself with the floor area which you will be working in. (short raised form in floor directly behind the forward tie down loops)



2. Measure from the vertical panel just under the tie down loop, rearward 235mm as shown. Mark this location on the floor.
3. Repeat on the other side.



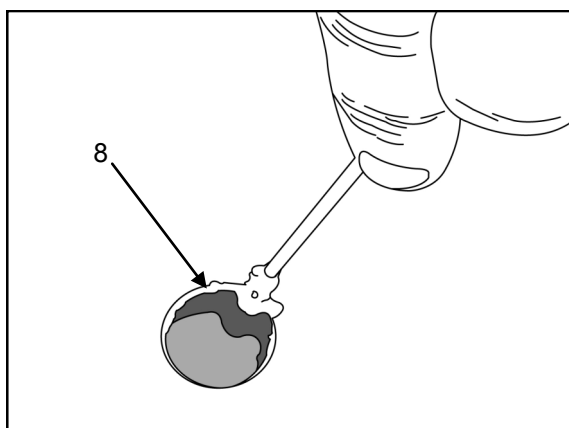
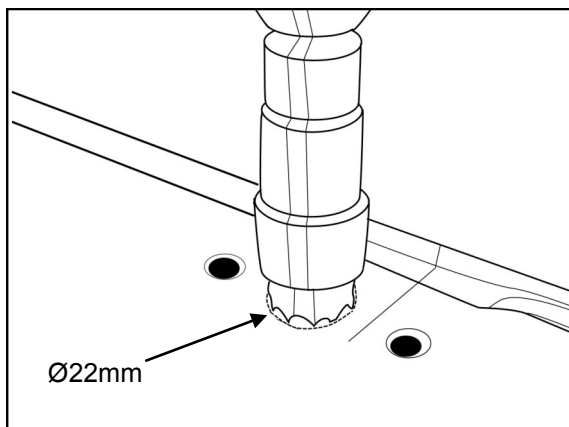
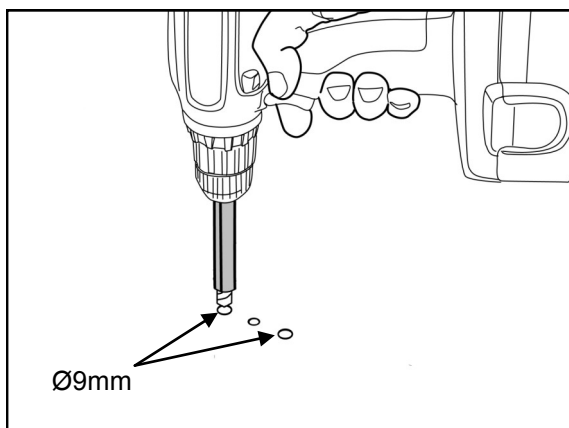
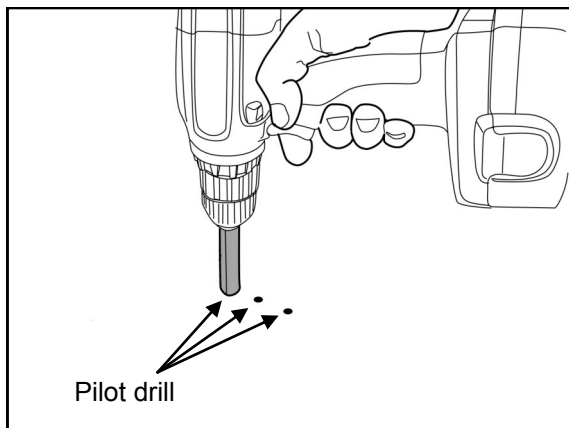
4. Position a cover plate (3) centre hole over the marked line from above.
5. With the cover plate centred in the floor raised form, mark through all 3 holes onto the floor panel.
6. Repeat on the other side.



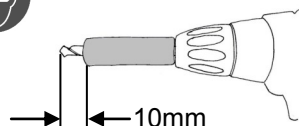
7. Centre punch the 6 marked hole positions on the floor.



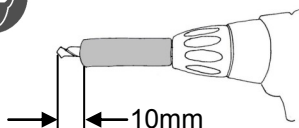
## DRILLING PROCEDURE FOR FLOOR MOUNTS



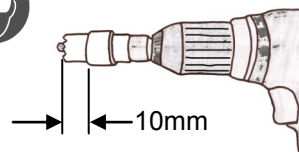
8. Using a 5mm drill bit with drill stop set at 10mm, pilot drill the 6 centre punched locations from step 7.



9. Using a 9mm drill bit with drill stop set at 10mm, enlarge the outer holes only. (4 places)



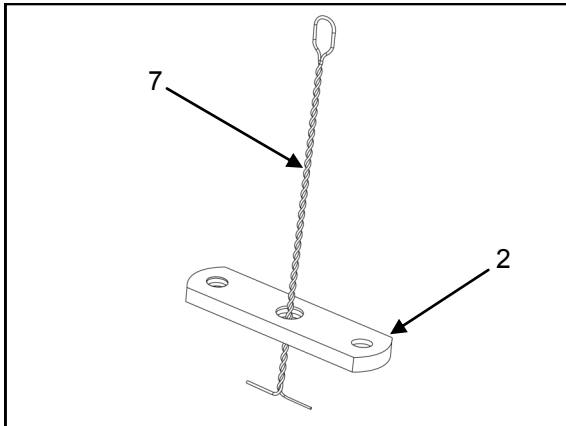
10. Using a 22mm hole saw with drill stop set at 10mm enlarge the centre holes only. (2 places)



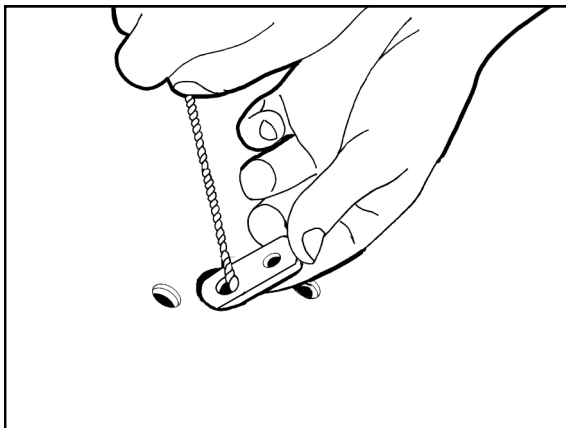
11. Vacuum away all drilling swarf.  
12. If the hole saw slugs have dropped into the chassis rails, remove using a magnetic pick up tool.  
13. Apply rust preventative sealer (8) to the raw edges of all drilled holes.



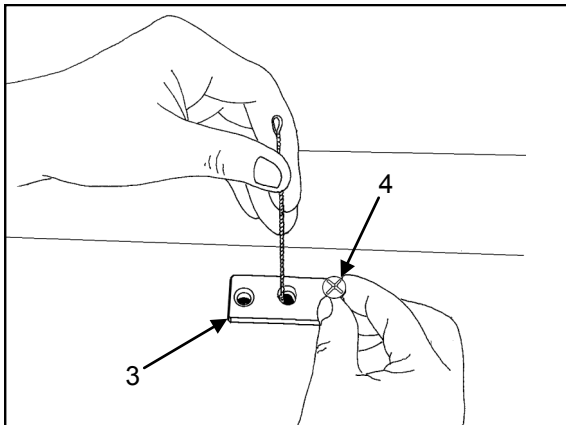
## INSTALLATION PROCEDURE FOR FLOOR MOUNTS



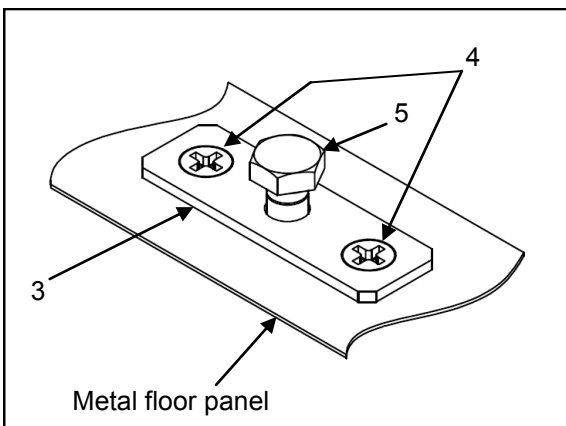
14. Place mounting plate (2) centre hole over installation tool (7) as shown.



15. Whilst keeping hold of the installation tool push the mounting plate through 22mm centre hole in floor panel.
16. Align mounting plate outer holes with holes drilled in floor.



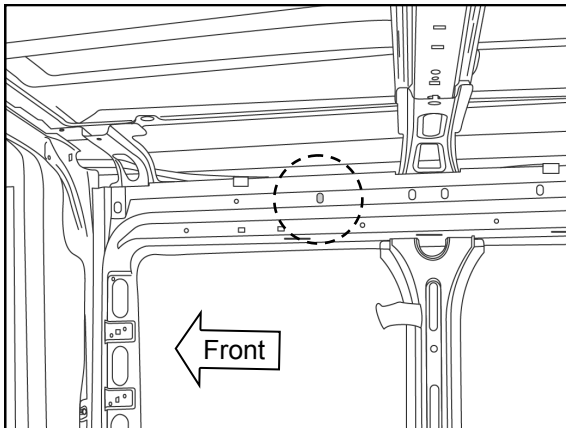
17. Whilst keep hold of installation tool place cover plate (3) centre hole over installation tool.
18. With all holes aligned secure the ASM in place using CSK screws (4).
19. Remove the installation tool by pulling firmly upwards.
20. Repeat on the other side with the ends of the installation tool reset.



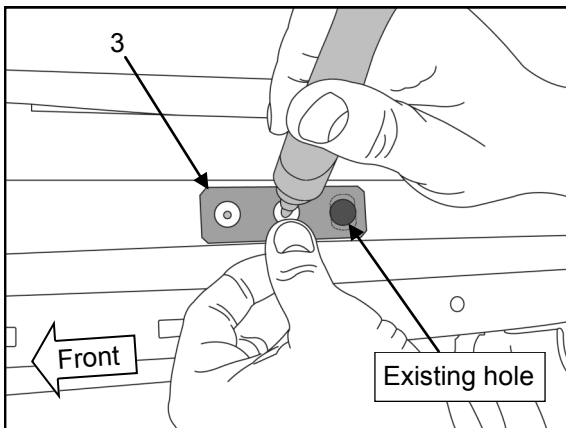
21. Place an M10 screw (5) into the centre holes to ensure correct thread alignment before fully tightening the outer screws.



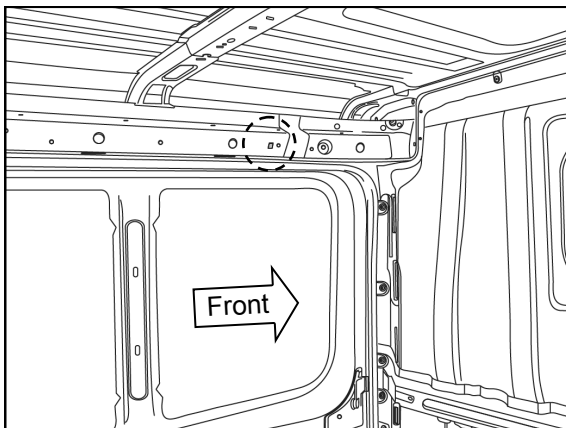
## MARKING PROCEDURE FOR UPPER MOUNTS



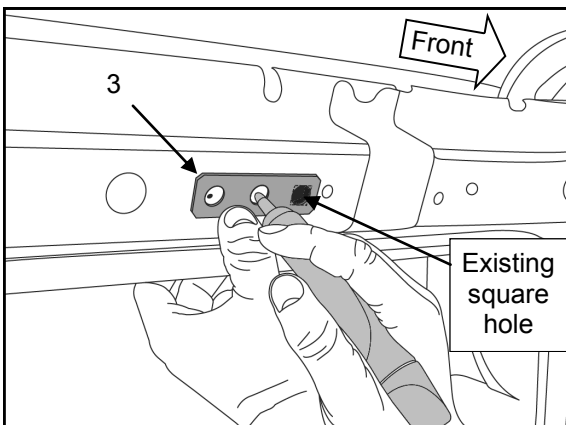
22. On the RHS (drivers side of the vehicle) locate the existing oval hole which will be used as the rearmost hole for that upper mount.



23. Position a cover plate (3) rearmost hole over the existing oval hole in the side panel.  
24. Mark through the other 2 cover plate holes onto the metal panel.



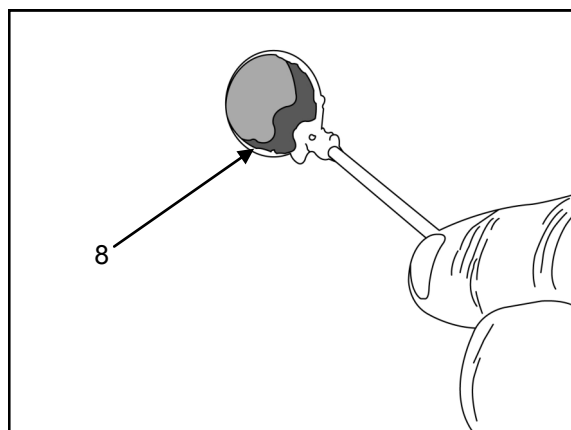
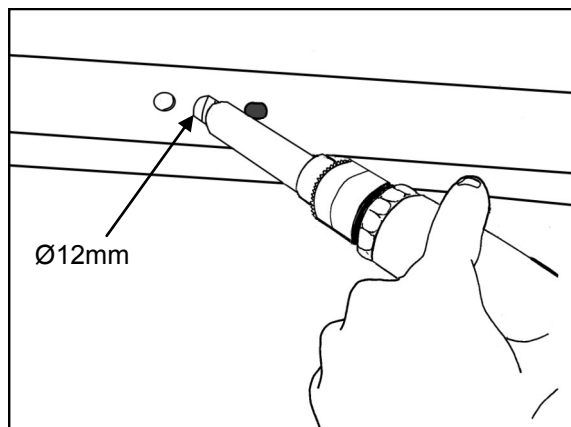
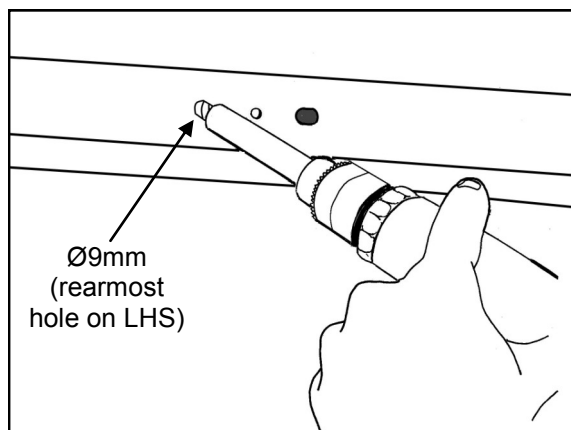
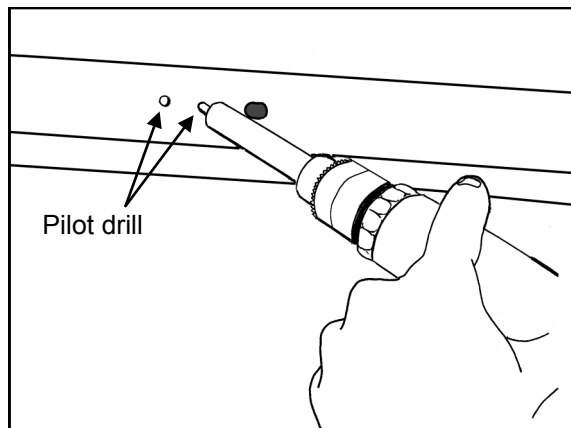
25. On the LHS (passenger side of the vehicle) locate the existing square hole which will be used as the forward hole for that upper mount.



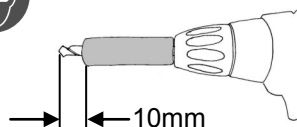
26. Position a cover plate (3) front most hole over the existing square hole in the side panel.  
27. Mark through the other 2 cover plate holes onto the metal panel.  
28. Centre punch the 4 marked hole positions on the side panels.



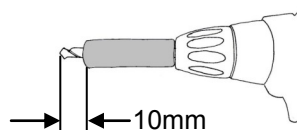
## DRILLING PROCEDURE FOR UPPER MOUNTS



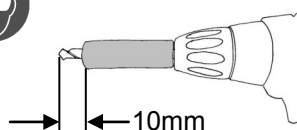
29. Using a 5mm drill bit with drill stop set at 10mm, pilot drill the 4 centre punched locations from step 28.



30. Using a 9mm drill bit with drill stop set at 10mm, enlarge the forward most hole on the RHS (drivers side), and the rearmost hole on the LHS (passenger side).



31. Using a 12mm drill bit with drill stop set at 10mm enlarge the centre hole on both sides.

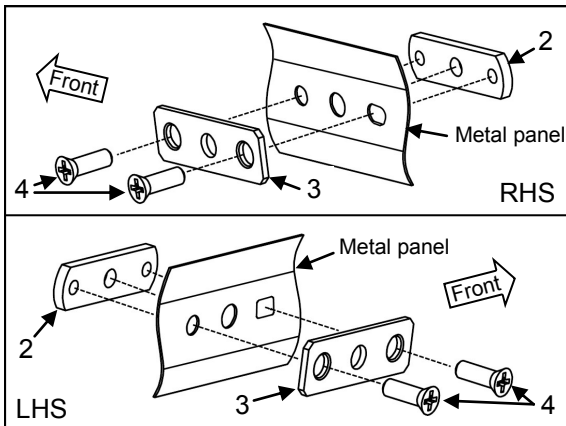


32. Vacuum away all drilling swarf.  
33. Apply rust preventative sealer (8) to the raw edges of all drilled holes.



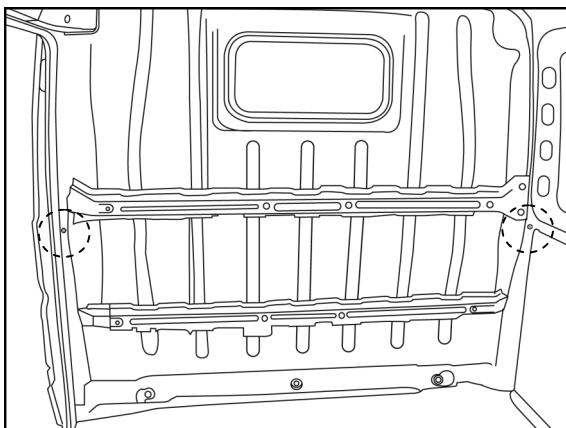


## INSTALLATION PROCEDURE FOR UPPER MOUNTS



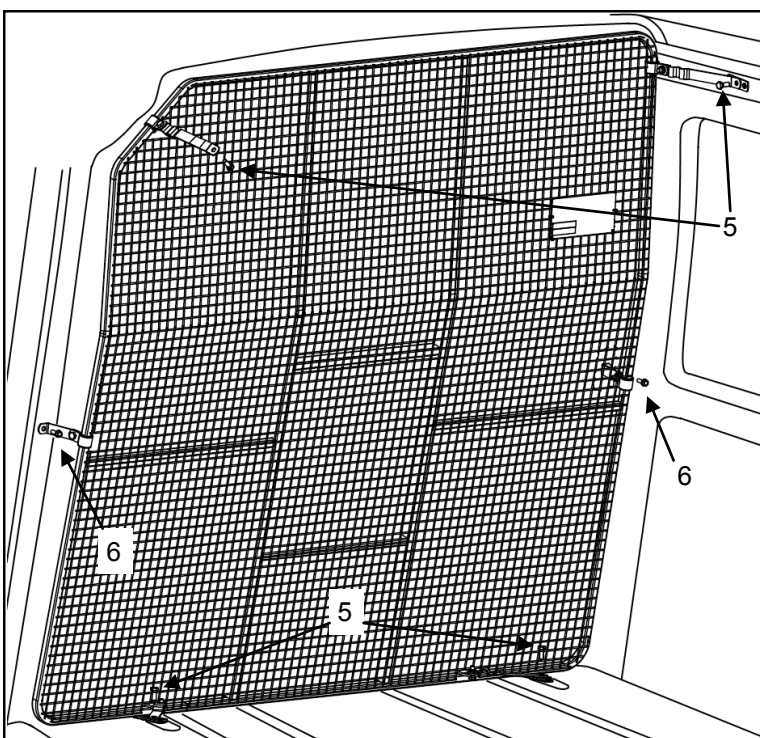
34. Position a mounting plate (2) behind a roof rail with the holes in alignment with those drilled earlier.
35. Position a cover plate (3) on the inside of the roof rail with holes aligned.
36. Secure the ASM in place using CSK screws (4).
37. Place an M10 screw (5) into the centre holes to ensure correct thread alignment before fully tightening the outer screws.
38. Repeat the procedure on the other side.

## FINAL PREPARATION FOR CARGO BARRIER INSTALLATION



39. At the front of the cargo area about half way up the sides of the fixed bulkhead, remove the hex head screws circled. (1 each side)

Note: If no bulkhead is fitted locate the M8 captive nuts at the same locations.



## BARRIER INSTALLATION

40. Ensure the cargo barrier straps are pivoted towards the meshed side of the cargo barrier.
41. With the aid of another person manoeuvre the cargo barrier into position directly behind the bulkhead, with the meshed side of the cargo barrier facing the rear.
42. Loosely attach the top straps to the upper mounts using M10 hex head screws (5).
43. Attach the side straps to the vehicle captive nuts using M8 hex head screws (6).
44. Attach the bottom straps to the floor mounts using M10 hex head screws (5).
45. Tighten and torque up all screws. M8 - 22Nm. M10 - 22Nm.