



## 200 SERIES LANDCRUISER CARGO BARRIER

Installation Instructions—Part Number 609100

To Suit ALL Models

Production From Sept 07 Onwards-



This Cargo Barrier is capable of being located in two positions, behind the 2nd row of seats in their normal position, and behind the 1st row of seats with the 2nd row of seats in their half folded position. *Note: If the 3rd row of seats is retained, the 3rd row seat head restraints must be removed.* 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 the AS/NZS 4034 Standard.

In the event of an accident, a cargo barrier can reduce injuries caused by cargo intruding into the occupant's space.

**Installation time approximately 1.75 Hours**

"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.
- Seat, seat belt or child restraint anchorage's must not be used for mounting the Cargo Barrier.
- 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.
- When load is positioned against the 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 their 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 minimize the penetration risk.
- If involved in an accident or accidentally damaged, the cargo barrier must be replaced and the anchorage's repaired to an 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 the occupant's space in an accident.
- Remember that the tailgate cannot always 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 from protecting the occupants.
- Parents should explain to children how and when to use the **EMERGENCY ESCAPE HAMMER** attached to the Cargo Barrier.

### NOTICE TO FITTERS AND DISTRIBUTORS

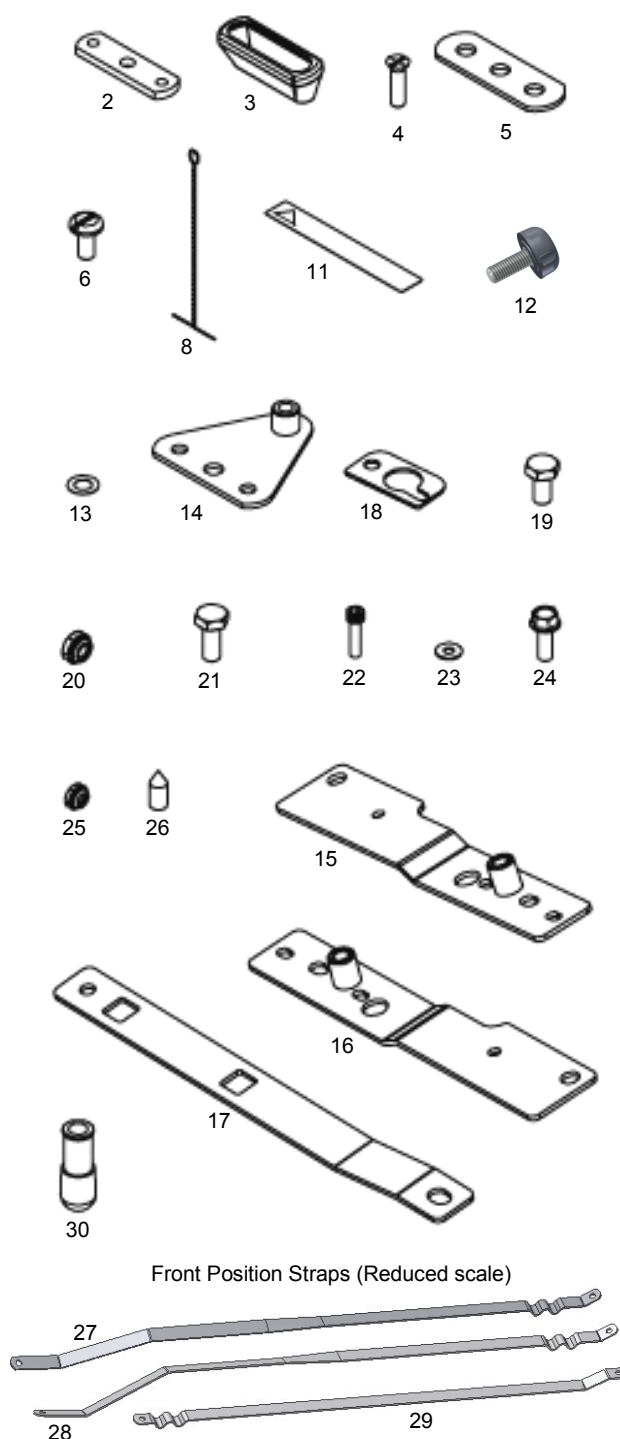
Please ensure the User instructions are left in the glove box after fitment of the Cargo Barrier

**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 Dealer to ensure the barrier is installed in a correct and safe manner. These instructions must be read and clearly understood before commencing installation. Strict compliance with installation instructions is essential for this safety product to meet its rated capacity.

## Parts List

**Important:** Check contents of kit before commencing fitment and report any discrepancies.

Item	Component Name	Part No.	Qty
1	Cargo Barrier Assembly (Not shown)	609100	1
2	Mounting plate	754000	2
3	Mounting Plate Seal	904020	2
4	CSK Screw $\frac{5}{16}$ x 1"	912000	4
5	Cover Plate Seal	754647	2
6	Pan Head Screw M10 x 1.5 x 20mm	912010	2
7	Rust Preventative Sealer (Not shown)	906300	1
8	Installation Tool	754200	2
9	Cleaning Pad (Not shown)	906302	1
10	Template—Card (Not shown)	608959	1
11	Warning Label	905017	1
12	Milbolt M10 x 1.5 x 24mm	912825	4
13	Crinkle Washer	932125	4
14	Floor Bracket	753067	2
15	Bracket ASM—Drivers side	609118	1
16	Bracket ASM—Passenger side	609119	1
17	Bracket—Offset	609123	2
18	Spacer plate	609124	2
19	Hex head screw—M10 x 1.5 x 20	912205	2
20	Nyloc nut—M10	922090	2
21	Hex head screw—M10 x 1.25 x 25	912210	2
22	Socket head cap screw—M6 x 20	711419	4
23	6mm flat washer	932080	4
24	Hex head flange screw—M8 x 20	912785	2
25	Nyloc nut—M8	922115	2
26	Marking pin—M10 x 25	906185	1
27	Front position side strap R/H	775880	1
28	Front position side strap L/H	775875	1
29	Front position bottom strap	775885	2
30	Leg support—Sun roof vehicles	609103	2



## TOOLS REQUIRED

- |  |   |
|--|---|
| <input type="checkbox"/> Hammer                                      | <input type="checkbox"/> Torque Wrench (40 Nm)                                |
| <input type="checkbox"/> Screwdrivers - #4 Phillips/Small Flat Blade | <input type="checkbox"/> Ratchet Wrench + 10mm/13mm/14mm/16mm/17mm AF Sockets |
| <input type="checkbox"/> Power Drill                                 | <input type="checkbox"/> Ring spanners 13mm/16mm/17mm AF                      |
| <input type="checkbox"/> Masking Tape                                | <input type="checkbox"/> Hex key or driver, 5mm AF                            |
| <input type="checkbox"/> Marker                                      | <input type="checkbox"/> Scissors   |
| <input type="checkbox"/> Centre Punch                                | <input type="checkbox"/> Sharp Knife  |
| <input type="checkbox"/> 5mm, 9mm Drill Bits                         | <input type="checkbox"/> Magnetic Pickup Tool                                 |
| <input type="checkbox"/> Drill stop's                                | <input type="checkbox"/> Rust Preventative Applicator (eg Cotton bud)         |
| <input type="checkbox"/> 20mm/22mm Hole Saws                         | <input type="checkbox"/> Vacuum Cleaner                                       |
| <input type="checkbox"/> 20mm Vinyl Cutter                           | <input type="checkbox"/> Cover sheet / Drop sheet                             |
| <input type="checkbox"/> Tape Measure                                | <input type="checkbox"/> Side cutters   |
| <input type="checkbox"/> Hole De-Burring Tool                        |   |
| <input type="checkbox"/> Trim Removal Tools                          |   |

## INSTALLER'S ADVICE

**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 Tekote Sealer/Rust Preventative to all holes drilled, to negate the possibility of skin and/or 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, check vehicle for LPG Conversion. If LPG is fitted, locate gas unit and all lines attached and take EXTREME CARE whilst installing this Cargo Barrier.**

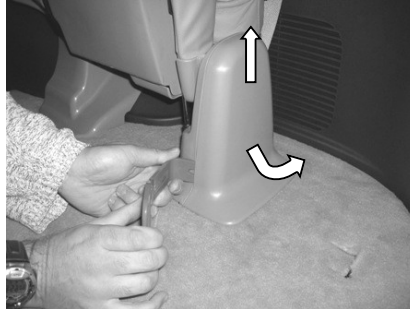
**CARE SHOULD BE TAKEN NOT TO CROSS THREAD THE FASTENERS DURING INSTALLATION.**

## **REMOVAL OF REAR SEATS (3rd ROW SEATS)**

- Follow steps 1– 10 to remove the Rear Seats.
- Pay attention during removal to aid in correct re-assembly.
- Retain all components for later fitment.



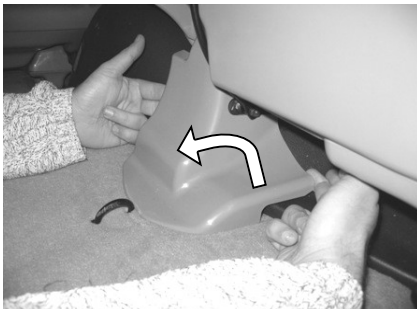
1. Identify area that you are working in.  
REAR CARGO AREA.



2. Remove Plastic trim coverings around  
base of 3rd row seats. (Rear section)



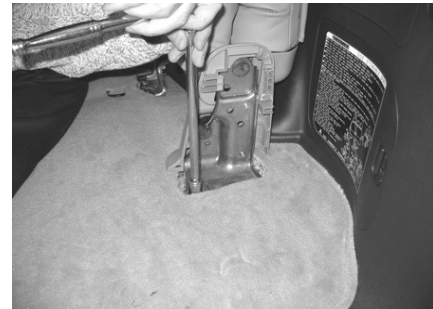
3. Expose rear floor bracket of 3rd row  
seats.



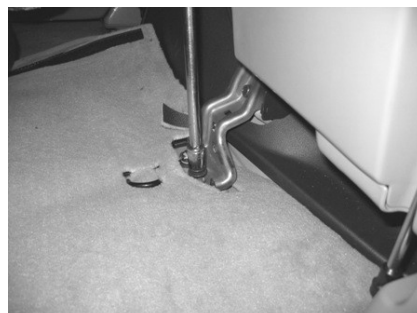
4. Remove Plastic trim coverings around  
base of 3rd row seats ( forward section).



5. Expose forward floor bracket of 3rd row  
seats.



6. Using a 14mm socket driver, remove  
the retaining bolts. (Qty. 2)  
**NOTE:** When replacing ALL bolts must be  
torqued to 37Nm or 27ft. lbs



7. Using a 14mm socket driver, remove  
the retaining bolt. (Qty. 1)  
**NOTE:** When replacing ALL bolts must be  
torqued to 37Nm or 27ft. lbs



8. Using a 14mm socket driver, remove  
the retaining bolt. (Qty. 1)  
**NOTE:** When replacing ALL bolts must be  
torqued to 37Nm or 27ft. lbs



9. To release the seats use the handle at  
the rear of the vehicle.  
Carefully lift and store outside of vehicle.

**10. REPEAT STEPS 1 TO 9 FOR OPPOSITE SIDE.**

## REMOVAL OF LOWER SIDE TRIMS IN CARGO AREA

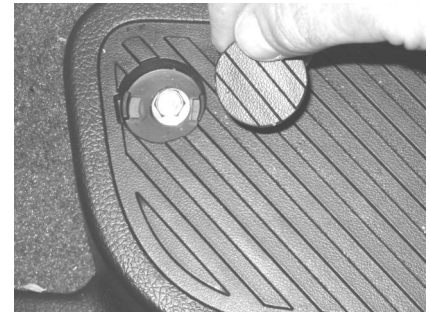
- Follow steps 11– 16 to remove the lower side trims in cargo area.
- Pay attention during removal to aid in correct re-assembly.
- Retain all components for later fitment.



11. Remove rear hard plastic flap covering.



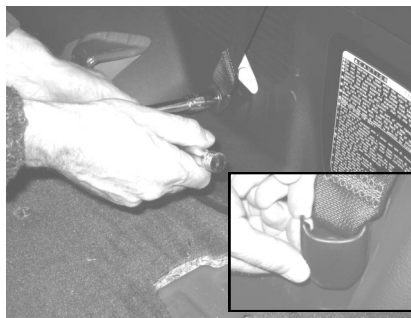
12. Remove the forward plastic coverings for the 3rd row seat retainers x 2.



13. Remove screw covers & self tapping screws from 2nd row seat door step trims.



14. Remove door step trims. (LHS/ passenger side shown)



15. Remove bolt covers & unbolt lower seat belt bolts to allow lower side trims to be removed. 2x on RHS, 1x on LHS.

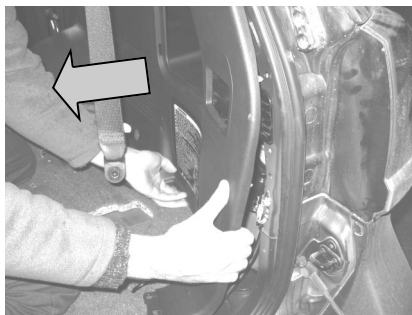


16. Remove pin clips, (1ea side) from bottom back edge of lower side trims. Using suitable trim removal tools carefully unclip the lower side trims from the vehicle.

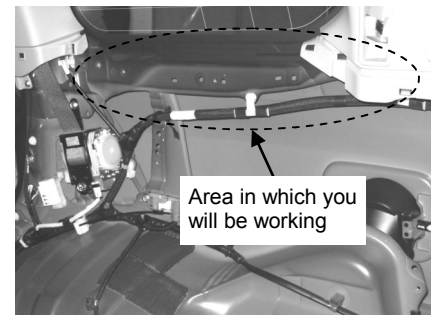
**Note:** A wiring connection may be present at the rear of each trim which will need to be disconnected before trims can be removed from vehicle.



Using trim removal tool to release trim.



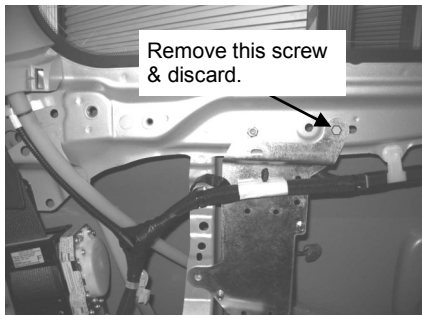
Pull trim towards centre of vehicle to release inboard clips.



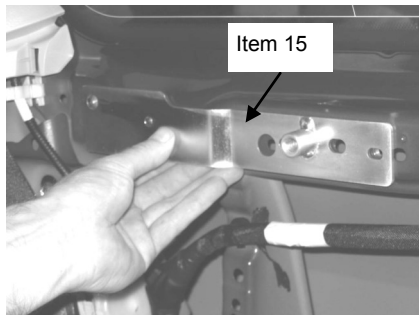
Vehicle with panel removed. RHS shown.

## INSTALLATION OF SIDE BRACKETS

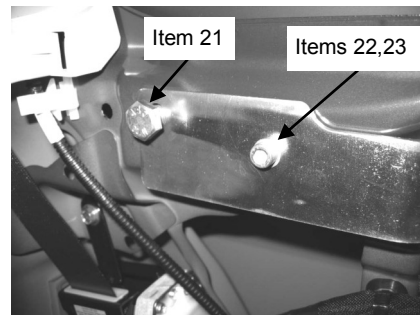
- Follow steps 17– 26 to install side brackets.



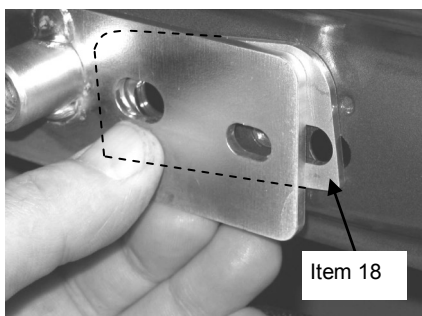
17. If installed, on RH side of vehicle locate electronic module shown and remove the rearward securing screw from bracket. (screw no longer required)



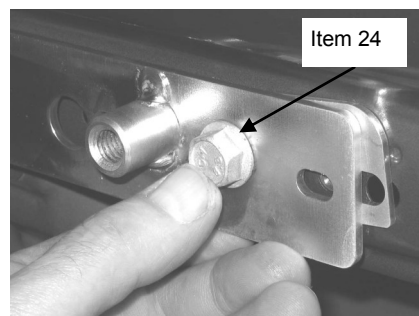
18. On RH side of vehicle position Bracket ASM (Item 15) as shown.



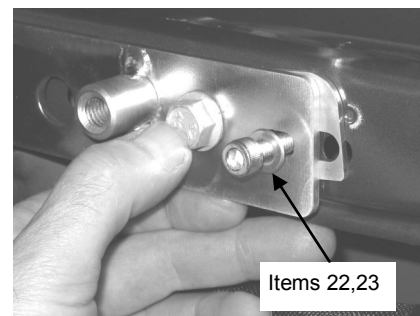
19. Loosely secure in place using M10 x 1.25 x 25 Hex Head screw (Item 21) & M6 x 20 Cap head screw (Item 22) with 6mm flat washer (Item 23) under head, through front 2 holes into existing captive nuts.



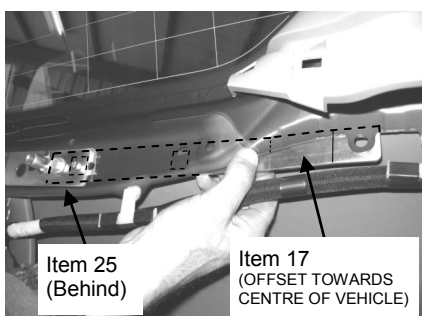
20. Place spacer plate (Item 18) behind bracket ASM at location shown.  
**Note:** On RHS the large hole & slot in spacer plate is to the rear of vehicle.



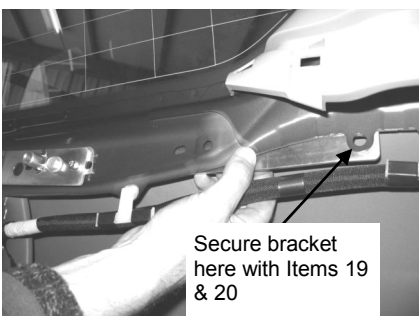
21. Install M8 Hex head flange screw (Item 24) through 9mm slot in bracket, picking up 9mm hole in spacer plate and into existing hole in vehicle panel.



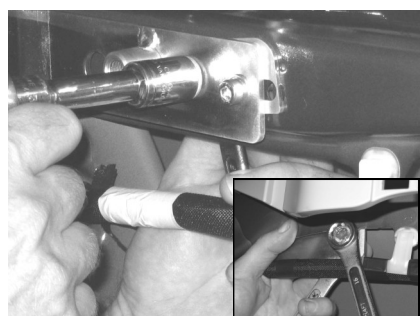
22. Install M6 x 20 Cap head screw (Item 22) with 6mm flat washer (Item 23) under head, through 7mm slot rearward of M8 flange screw into existing captive nut.



23. Position offset bracket (Item 17) behind panel as shown, with 9mm round hole over M8 flange screw. Fit M8 nyloc nut (Item 25) to flange screw.



24. Locate slotted 11mm hole in offset bracket behind existing lug in vehicle as shown. Secure with M10 x 20 Hex head screw (Item 19) & M10 nyloc nut (Item 20).

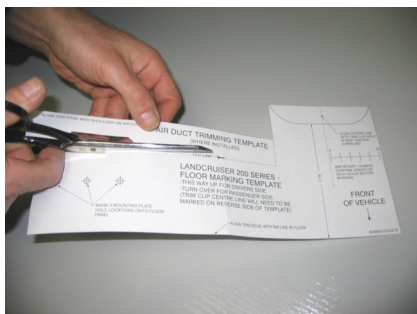


25. Tighten all screws etc. to secure brackets in place.

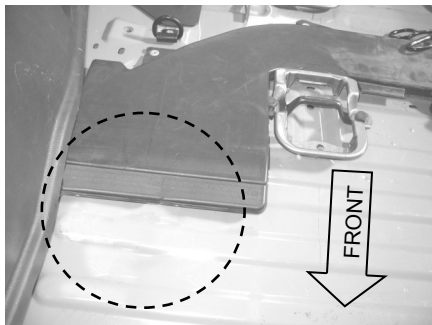
**26. REPEAT STEPS 17 TO 25 FOR LH SIDE,** except spacer plate (Item 18) is positioned with large hole and slot towards front of vehicle. M6 cap head screw and washer are fitted to 7mm slot forward of M10 threaded boss into existing captive nut.

## FLOOR BRACKET LOCATION AND DRILLING PROCEDURE

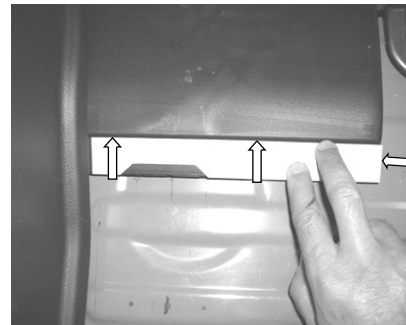
- Follow steps 27– 36 to mark out and drill holes for floor brackets.
- Pay attention to notes on templates supplied.
- Care should be taken whilst trimming Air Duct. (Item 30 below).



27. If vehicle has ducted air conditioning - Cut the Template ( Item 10) along cut line as shown. TAKE CARE to separate the two required templates.



28. At approx. centre of wheel arches pull cargo area floor coverings back out of way to expose area where the floor mounts are to be located, (Drivers side shown) .  
Note: Plastic duct shown may not be installed in all models.



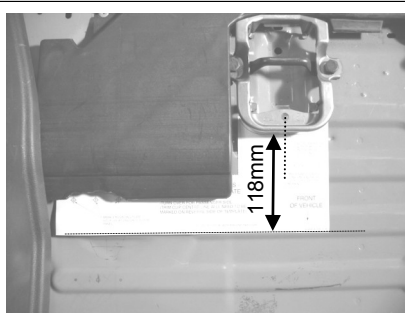
29. Place small section of the template as shown.  
NOTE: Carefully position with datum edges aligned with duct as shown by arrows above. (Refer template for detail) Mark cut out section onto duct)



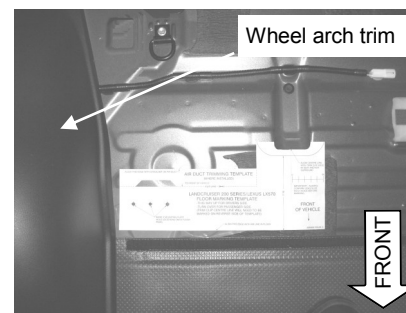
30. Using a sharp Knife cut away the marked area.



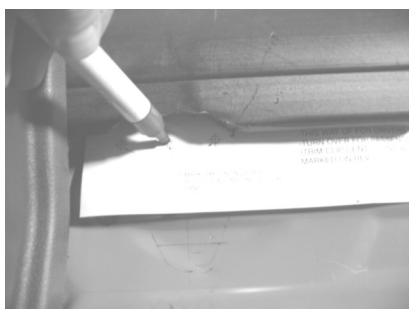
**NOTE:** Care should be taken when cutting the drivers side as the air duct is close to the area being cut away. Only the thin web is allowed to be trimmed.



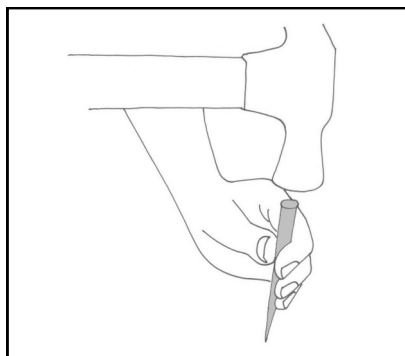
31A. For models with 3rd row of seats - Using the large part of the template, align the centre line on the template with the centre of the seat anchor surround as shown. Align the forward edge of the template parallel with the raised indent in the floor panel.



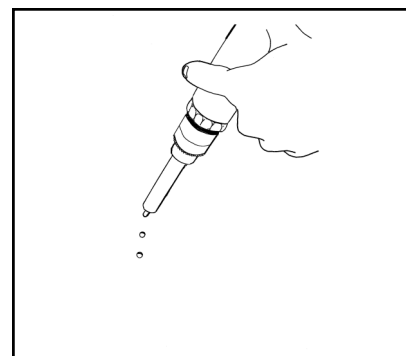
31B. For models without a 3rd row of seats installed & working on drivers side of vehicle, line up cut out in template with raised indent in floor panel as shown. Align the forward edge of the template parallel with the raised indent in the floor panel.



32. Once the template is in position mark the mounting plate hole locations onto the floor panel as shown.

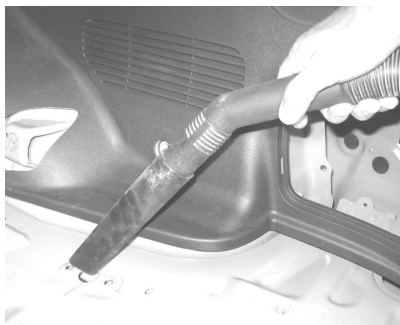


33. Centre Punch marked points.



34. Drill out holes as follows -

- Pilot drill 5mm (All holes)
- Outer holes 9mm (x2)
- Centre hole 22mm



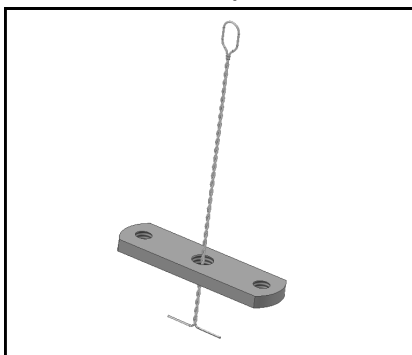
35.

- De-burr all drilled holes.
- Vacuum away all swarf.
- Apply Rust Preventative Sealer (Item 7) to all drilled holes.

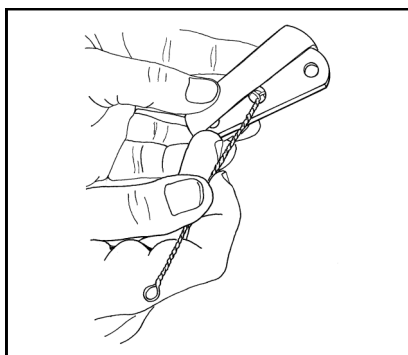
### **36. REPEAT STEPS 27 to 35 FOR OPPOSITE SIDE** (With templates reversed)

### **FRONT FLOOR BRACKET INSTALLATION PROCEDURE**

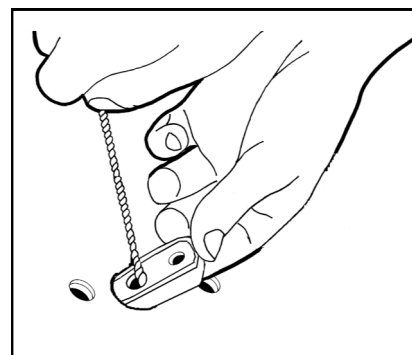
- Follow steps 37– 43 to install floor brackets.



37. Insert the eye of the installation tool (Item 8) through the centre M10 hole in the mounting plate (Item 2) as shown.



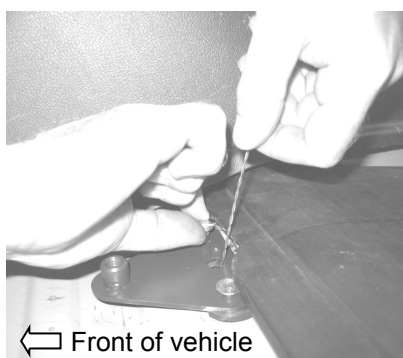
38. Insert mounting plate assembly into rubber mounting plate seal (Item 3) as shown.



39. Insert mounting plate assembly into 22mm hole and position mounting plate with holes aligned on underside of floor panel.



40. Place centre hole of cover plate seal (Item 5) over eye of installation tool.



41. Place centre hole of floor bracket (Item 14) over eye of installation tool. Holding the mounting plate in position, screw CSK Screws (Item 4) into outer holes. Remove installation tool and insert Pan Head screw (Item 6) into centre hole.



42. Tighten all screws securely.

### **43. REPEAT STEPS 37 to 42 FOR OPPOSITE SIDE**

## CUT FLOOR COVERING FOR ACCESS HOLES TO MOUNTS

- Follow steps 44– 50 to re-install and cut access holes through soft floor covering.



44. Relocate forward section of floor covering over spacer tubes on floor mounts (Item 14).



45. Locate spacer tube underneath floor covering.  
**Note:** Marking pin (Item 26) from kit can be used to assist in locating threaded spacer tube. (Thread pin into spacer tube with point upwards)



46. Turn floor covering over and trim felt backing away at spacer tube location, with sharp knife or scissors.



47. Lay floor covering back into its natural position ensuring it is located accurately. Carefully locate centres of spacer tube. Check with scribe or similar sharp tool if not sure.

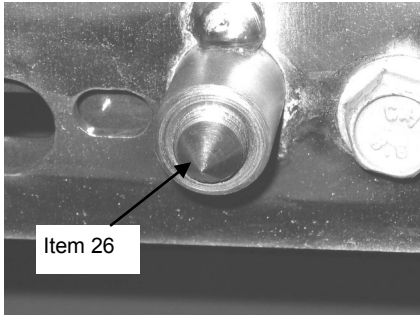


48. Using a 20mm vinyl cutter, centre drill bit on spacer tube, and cut hole through floor covering.

49. Repeat steps 44 to 48 for opposite side then reposition all floor coverings and replace 3rd row seat retainer, plastic coverings removed at step 12.

## REINSTALL LOWER SIDE TRIMS

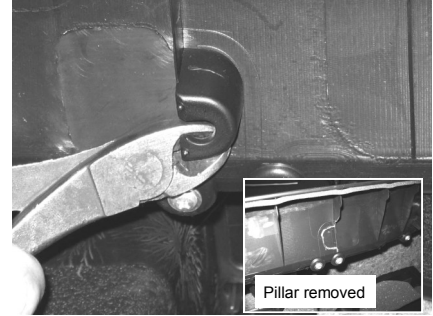
- Follow steps 50– 57 to cut access holes through lower side trims & reinstall.



50. Fit marking pin (Item 26) to M10 threaded boss in RH side bracket as shown.



51. Locate top centre trim clip shown, on drivers side trim. Remove trim clip from panel.

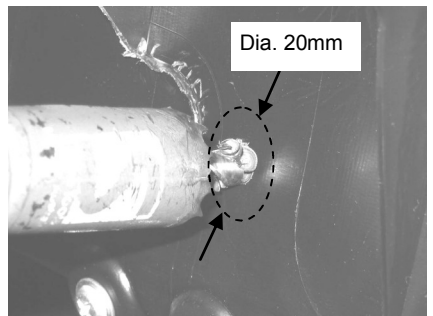


52. Using side cutters or similar, cut away trim clip pillar as shown.



53. Carefully position side trim back in vehicle locating on trim clips where possible without actually reinstalling.

54. Once in approx. home position apply pressure to the trim at the location of the marking pin.



55. Remove trim and cut a 20mm hole at the marked location using 20mm hole saw, to allow the threaded boss to protrude through.  
- Carefully clean up burred edge if necessary.

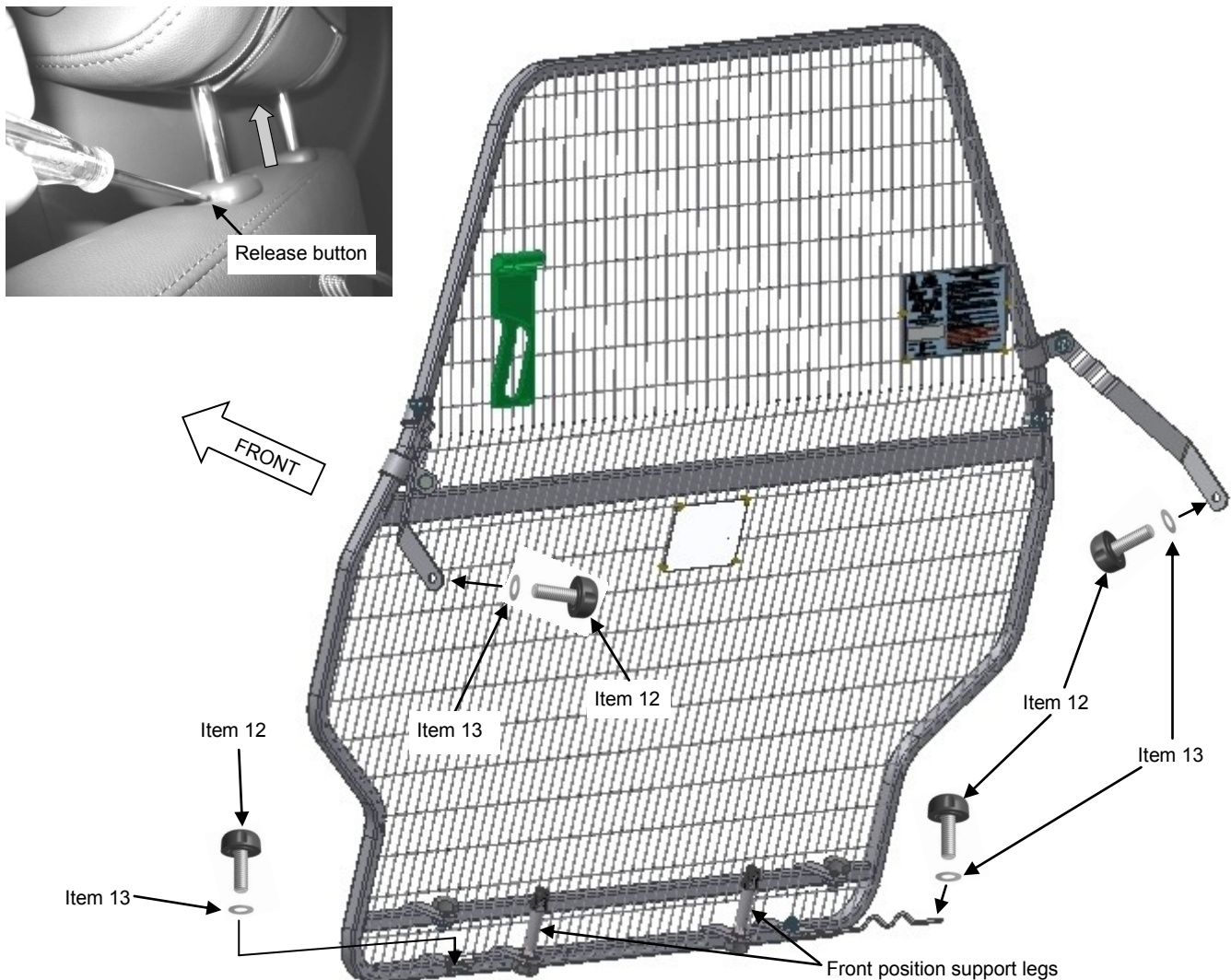
56. Remove marking pin and reinstall RH side trim to vehicle remembering to reconnect wiring unclipped at step 16 if installed.

57. **REPEAT STEPS 50 to 56 FOR OPPOSITE SIDE**

58. Reinstall seat belt bolts/covers, step trims, rear flap and 3rd row seats removed at steps 1 to 14.  
**NOTE: When replacing seat belt & seat bracket bolts they should be torqued to 37Nm or 27lbs ft.**

## INSTALL CARGO BARRIER—REAR POSITION

- Installation of Cargo Barrier in Rear Position.
- Rating Label on Cargo Barrier panel should be facing toward the rear of the vehicle.
- **If 3rd row of seats is retained the head restraints must be removed.**
- If Cargo Barrier is being installed to Sunroof fitted vehicle the installer should change the leg supports to the shorter legs (Item 30) supplied in the kit.



1. Remove head restraints from 3rd row of seats. Release by using small screwdriver to push release button as shown.

2. Position Cargo Barrier behind second row of seats with rating label facing the rear of vehicle.  
**HINT:** This is easiest done by folding second row seat forward to allow space to manoeuvre Cargo Barrier into position.

3. Attach the short bottom straps to the floor mounts using Milbolts (Item 12) with crinkle washers (Item 13) under the head.

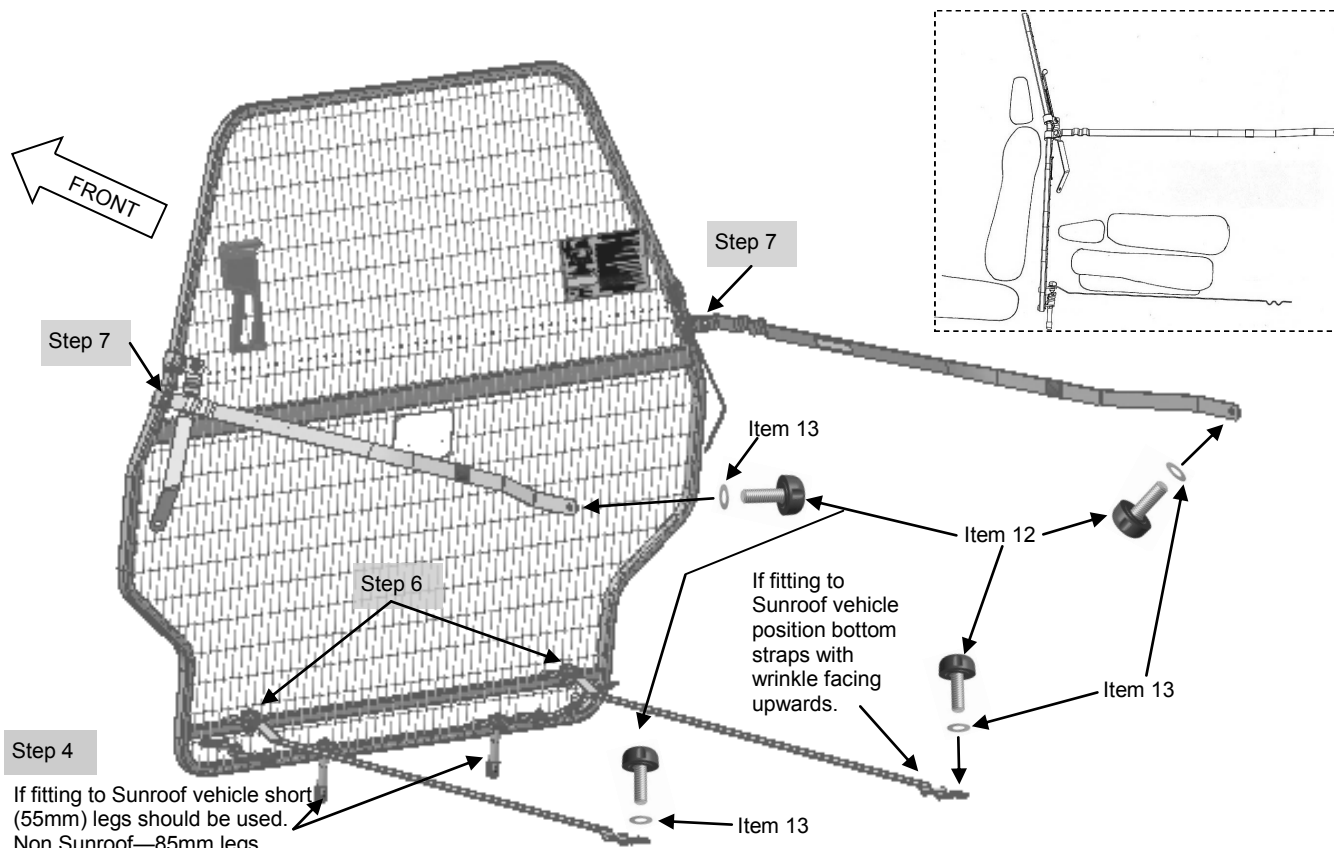
4. Attach the short side straps to the side mounts using Milbolts (Item 12) with crinkle washers (Item 13) under the head. Tighten all Milbolts securely. Lock seats back in place.



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

## INSTALL CARGO BARRIER—FRONT POSITION

- Installation of Cargo Barrier in Front Position.
- Rating Label on Cargo Barrier panel should be facing toward the rear of the vehicle.
- If fitted the 2nd row seat floor mats should be removed.



1. Fold 2nd row of seats to their fully folded position as shown in owners manual.

2. If moving cargo barrier from rear position undo all Milbolts and remove barrier from vehicle or out of way.

3. Attach the long bottom straps supplied with cargo barrier (Item 29) to the floor mounts as shown, using Milbolts (Item 12) with crinkle washers (Item 13) under the head. Once positioned lock the 2nd row seats back down into the half folded position.

4. Undo Milbolts securing leg supports to barrier and reverse so as to support the barrier off the floor as shown.

5. Position Cargo Barrier behind the 1st row of seats. Cargo barrier can be manoeuvred into place either through the side door or over the top of the 2nd row seat (2 people required)  
**Note:** If a one piece rubber floor mat is fitted to vehicle, it should be removed.

6. Remove Milbolts from brackets on back of Cargo Barrier and attach bottom straps to same brackets as shown.

7. Undo M10 bolts fitted to the lower side pivot brackets on the Cargo Barrier. Attach the long side straps (Items 27/28) supplied with cargo barrier to the pivot brackets as shown & tighten screws. Straps are labelled L/H—R/H.

8. Attach the rearward ends of the side straps to the side mounts using Milbolts (Item 12) with crinkle washers (Item 13) under the head.

9. To move Cargo Barrier to rear position reverse steps 1 to 8.



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

## **ATTACH WARNING LABEL TO DRIVERS SIDE DOOR OPENING.**

- Follow steps below to attach warning label.



1. Clean area inside drivers door opening using alcohol cleaning pad (Item 9). Allow to dry completely.

2. Affix warning label (Item 11) to cleaned area as shown. Apply pressure to label to make good bond.