

Land Rover Defender 90 (L138) Fitting Instructions

Front Cage - (forward of 'B' hoop)

Remove front wing eyebrows and outer skins (split wing)

Inside outer wing skin in top corner there is a gusset pop riveted to the wing itself. Drill these pop rivets out and remove the gusset.

The square hole for the front roll cage leg should be marked using the front leg itself. The edges of the square mounting plate should be in line with the edge of the outer wing skin.



Mark holes in wing, drill out to 12mm and cut between them to create square hole.

With wing on the bench, offer the under wing support up and achieve best fit with the square mount protruding through the hole you have just cut. Mount and tighten gripper plate to ensure the support is positioned correctly.

Drill small hole and pop rivet through the wing to the bracket to attach the 2 parts together.



On the vehicle there is a lower flange that runs backwards under the doors. The top edge of this needs completely removing just rearward of the hole for the retaining strap. Cut flange away right back to hinge pillar. Leave 0.25" of the top of flange, i.e. cut 0.25" away from bend on top. Then cut corresponding material out of wing flange. Stand the chassis mount in position on the chassis outrigger

Replace the spire clips in the front bulkhead ('A' Post) with the 'J' nuts provided in the kit.



Bolt the wing back onto the vehicle (complete with under wing mount attached)

The A hoop can then be mounted onto the front of the vehicle. and bolted into position on the wing mounts.

The side rails can be inserted into position and marked onto the roof for drilling - please ensure that the hoop is parallel with the windscreen of the car when viewing from the side.

The holes for the side rails can be drilled out.

The internal bracket arrangement can be offered up into position and this can be bolted through the body into the outer side rails.

Rear Cage - (rearward of 'B' Post)

To mount centre ('B') hoop:

Mark and drill the rear bulkhead using drawing B.

Pass the under-body support under the vehicle from both sides and offer up to bulkhead.

Take internal B hoop inside vehicle and put into position and bolt through to the under-body support underneath. The hoop may need to be pulled in to line up with the holes correctly.

The central bulkhead bar can now be installed into position.

Bolt under body bracket to chassis using brackets provided.

The upper mounts on the body should already be positioned in the correct location and can be bolted to the corresponding brackets on the hoop.

To mount rear seat supports:

Remove rear quarter light covers, seats and seat belt rails (if fitted). If the vehicle is a County, it may be easier if the side trims running below the windows are also removed.

Drill hole in seat box as per drawing C. Elongate diagonally inwards by about 10mm as indicated.

Cut hole in rubber disc and fit the corner support.

Insert support from above. Place spacer tube assembly into the end of the chassis, insert bolts through chassis, spacer tube assembly and rear upright holes. Do not tighten fully.



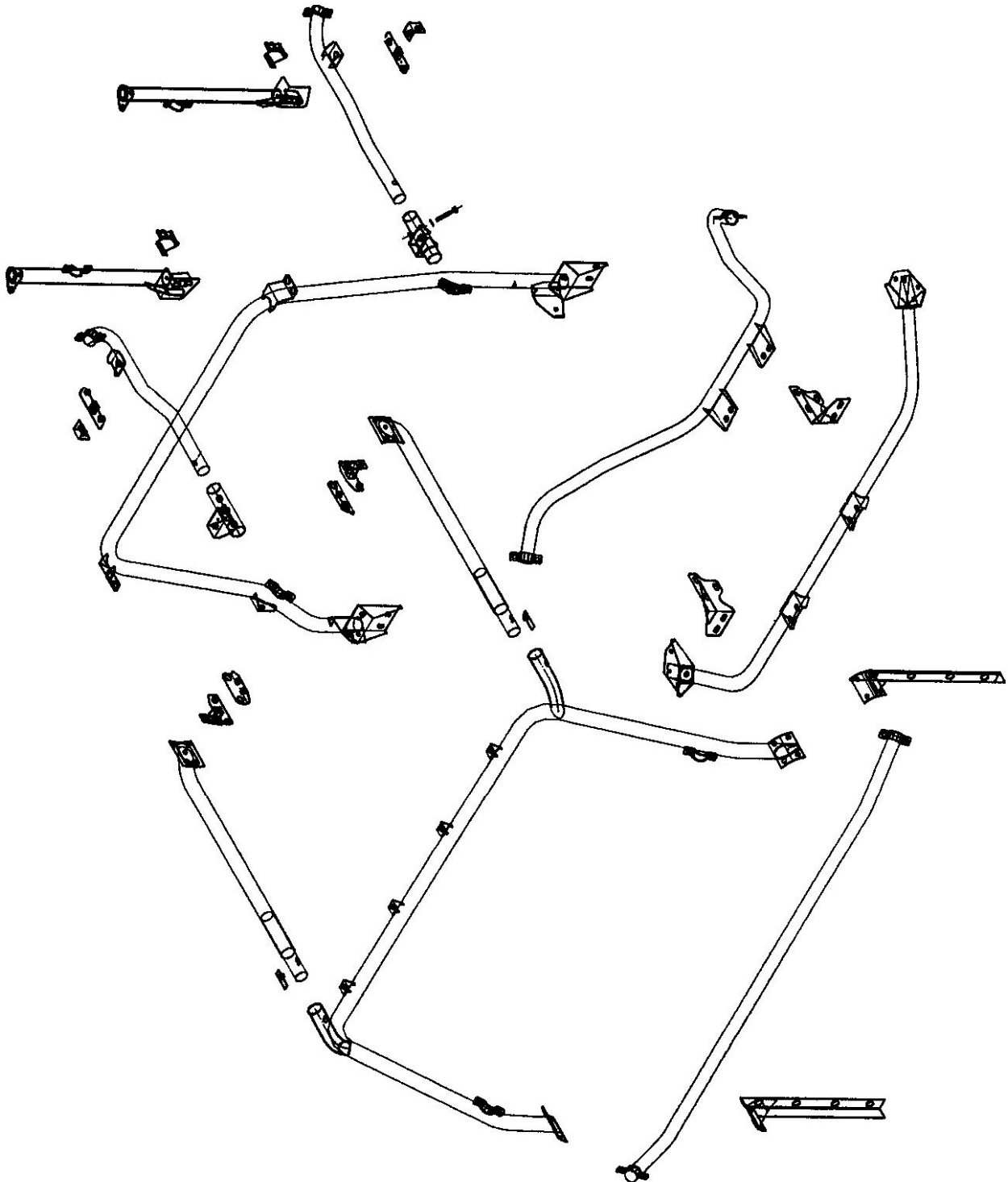
The seat rails can then be attached to the upright and positioned down each side of the car.

The brackets for attaching the rear seat belts can be fixed into position and this will complete installation of these rail.

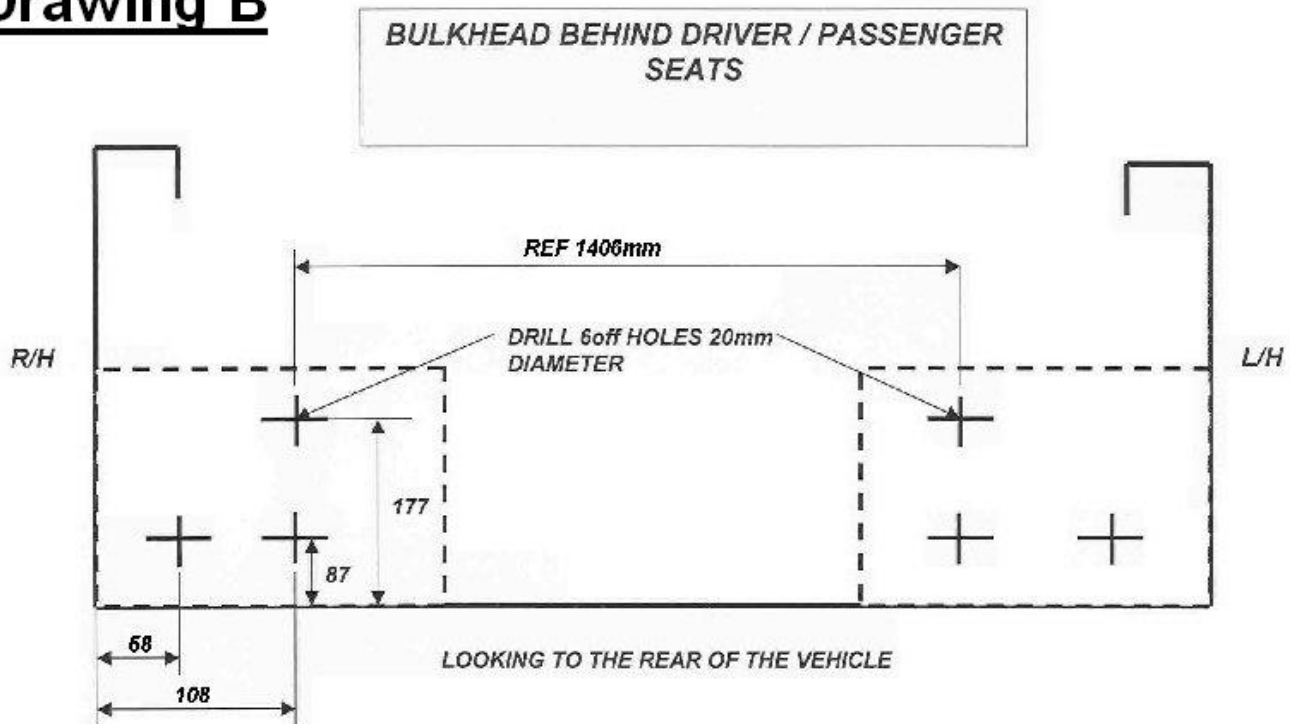
Please note: These rear rails do not attach to the B hoop they are mounted separately.

With all the components installed, you can begin to tighten all of the bolts on the roll cage. The best method is to go around and tighten the bolts small amounts at a time, ensuring the cage is mounted centrally on the vehicle. Trial and error is the only way to ensure the cage is fitted squarely.

Your Safety Devices roll cage is now fully installed!



Drawing B



Drawing C

INTERIOR REAR CORNER (WHEEL BOX) HOLE CUT OUT.

