

Land Rover Defender 110 Crew Cab (L185) Fitting Instructions

Firstly unwrap roll cage, unpack fitting kit and check components against assembly drawing on Page 5.

The assembly of this cage is broken down into the Front section and the Rear section.

Rear Cage - (rearward of 'B' Post)

Using drawing A, mark the position on the body for cutting the holes for the chassis mounts.
Cut all 4 holes in the rear panel as per drawing A. (2 on each side)



To mount centre ('B') hoop supports:

With the hole cut out, the support can be inserted from the inside and held into place. The bracket can be attached and bolted through to the bulkhead using the nut plate provided



With the supports loosely in position mount the gripper plates to the outside (where the hoop would mount) and tighten up to pull the hoop support into the correct position. (See pictures below)



To mount rear cage supports:

With the holes cut in the body, the rear upright can be inserted into place and held with gripper plates as shown previously. The other section can be offered up from underneath. Mark and drill holes through the floor to allow you to bolt through the floor joining the upper and lower sections together. Before bolting the lower mounting point to the chassis, be sure to insert the spacer tube assembly into the chassis rail.



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)

Mounting Internal Hoop

The next stage of fitting is the 'B' post hoop. Remove centre headlining and remove front headlining. Offer 'B' post hoop to vehicle locating the forward facing bracket on the seat belt mount, loosely refit seat belt bolt at this stage. The lower hoop floor brackets should be pushed forward against the step of the vehicle (use a wooden prop to hold the floor brackets in their most forward position). Then mark through the holes on the roof brackets and drill the roof in these positions.



The headlining will need trimming to suit - we do not provide specific details of this as each vehicle will be slightly different. The photos below gives a general idea as to what it will look like.



Once the external cage sections have been fitted, you can bolt through from the internal hoop, through the roof and the external cross rail and tighten together. The headlining can then be refitted.

At this point, all of the internal mountings and support should be in place held up with the gripper plates provided. The following steps explain how to install the external part of the cage onto the vehicle:

Remove all 6 gripper plates from the 'B' hoop, rear cage and front wing supports.

Fit the 'B' hoop into position but do not tighten fully.

Fit left hand front leg onto wing support and front of 'B' hoop, do not tighten bolts fully.

Fit upper and lower screen rails and the roof connecting rail to front left leg, do not tighten bolts fully.

Fit right hand front leg onto 'B' hoop, front wing support and upper and lower screen rails and roof connecting rail.

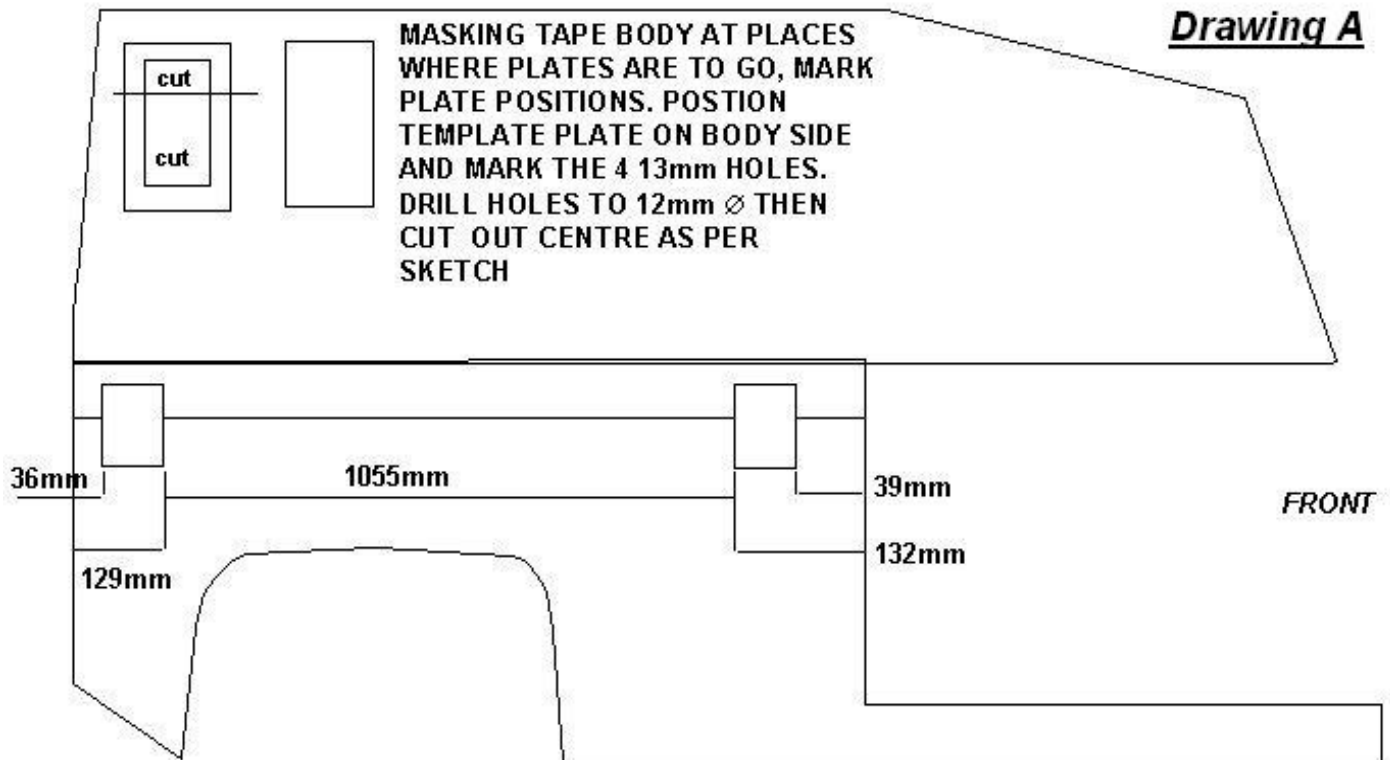
The left rear section of cage can be mounted onto the 'B' hoop and the rear corner support, and the connecting rail (left to right) can be joined using the slipper tube provided. The outer tube will be pre-drilled, but it is necessary to drill the cage using these holes as a guide before cross bolting together.

With the left rear side mounted, the right hand side can also be attached.

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 A



**RBL185
LANDROVER DEFENDER 110
CREW CAB PICKUP. 3/4 LENGTH
EXTERNAL CAGE.**

