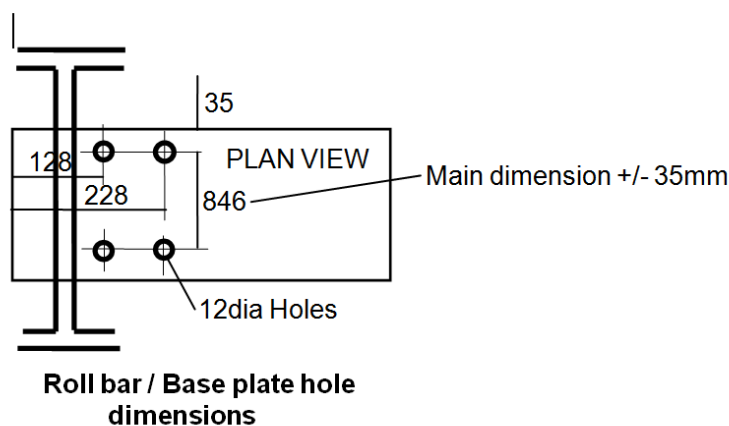


Land Rover Defender 90/110 Hard Top & Station Wagon (L033) Fitting Instructions

Unwrap the roll cage and unpack the individual fitting kits. At this point it is recommended that all components are checked against the assembly drawing on page 2 of these instructions. Should any parts or fixings be missing at this stage, or during installation, please contact your dealer.

STEP

- 1 Remove inward facing rear seats, cushions, rear carpet and inner side panels.
- 2 Remove the M6 bolts that hold wing stays in front of rear floor, and drill out the 3/16" pop rivet next to these bolts.
- 3 Position under body mounts to chassis, lining the three holes in the 'A' frame cross member ends.
- 4 Mark the wing stay holes through the floor onto the under body mounts, and drill holes to 8mm diameter. Countersink drill wing stay holes in front of the rear floor. Using the countersunk bolts provided, bolt the floor, underbody mounts, and wing stays together.
- 5 Mark off front of rear floor as per drawing, and drill 4 holes to 12mm through the floor and underbody mounts.



- 6 Remove the two 6mm nuts and bolts each side (at front of alpine window) from roof panel/side panel, joint and drill out 8mm diameter.
- 7 Using the M8 bolts and nuts provided, bolt cant rail mounts loosely into position.
- 8 The hoop can now be positioned into the vehicle, front seats need to be angled forward, and rear side windows need to be open. Position bar through rear door upside down, diagonally, with feet to door side and waist rail mounts pointing towards door. As the bar is slid into the vehicle lift the top of the bar to bring it horizontal, whilst turning the bar through 90degrees, so the bar feet face forward. Move the bar rearwards dropping the feet down the rear of the bulkhead, and stand the bar vertically into the correct position. At this point the diagonal, if fitted, should be above the driver's head and the waist rail mounts should be pointing rearwards.

- 9 Locate bolts in floor, slide the aluminium spacers between the cant rail bracket and the bar bracket. Position two M10 bolts through the cant rail bracket using the nut plate provided. The M8 bolts can now be positioned on the bracket attached to the body. Do not overtighten bolts at this stage.
- 10 Remove M10 bolts and aluminium spacers and lay bar down rearwards, refit inner side trims, and drill off trims to accept spacers. Wheel box carpets (if any) should now be re fitted.
- 11 Lift bar back into position locating aluminium spacers. As this is done, put the bolts into the cant rail brackets with the nut plates provided, then nut and bolt through the floor.
- 12 Drill off waist rail brackets with 11mm drill, using M10 x 60mm bolts and tapped pads provided, bolt bar to waist rail.
- 13 According to trim level, 20mm long spacers may be required (provided), and whole inside trim may need opening out to 25mm.
- 14 If bench seats are fitted, these bolts should be fitted.
- 15 All bolts in bar should now be tightened.
- 16 Under body mounts should now be attached to the chassis using Rivnuts in the chassis member itself.

**Safety Devices Tamper
Proof I.D. Label For
L33. Position Where
Shown.**

