



MUD-UK Land Rover Solutions

Bulkhead Removal Bar Fitting Instructions

Thank you for purchasing the MUD Bulkhead Removal Bar.

This kit will contain the following items:

- 1 x Bulkhead Removal Bar
- 1 x Angle Section finishing strip
- 2 x End Plates
- 2 x Socket Head Fasteners and 2 Washers
- Rivets

Tools Required

- Drill
- 10mm or 3/8th Drill Bit
- 4.8mm or 3/16th Drill Bit
- Clamping Device
- Riveting Tool
- 5mm Allen Key

To cut the bulkhead we recommend using a jigsaw/nibbler/reciprocating saw or cutting disc. A cutting disc is useful for trimming back the body capping and tidying up any rough-cut edges. Use a saw blade suitable for cutting aluminium.



Step 1

Remove the front seat base cushions; slide seats as far forward as possible and fold seat backs forward. Removal of the centre seat or cubby box will make fitting easier; it is however, possible to install the bar without their removal.

If you're fitting the Bulkhead Bar at the same time as fitting a pair of MUD Seat Rails, remove the seat frames from the vehicle at this stage.

Cover up as much of the interior as possible with a dustsheet as the tiny shards of aluminium generated when cutting the bulkhead will get everywhere! Always use eye protection when using cutting tools.

Step 2

Remove the top capping rail from the bulkhead by drilling out all of the rivets. Note. At either end of the bulkhead top rail, there are two U-shaped strengthening plates. These are located within the underside of the channel. You may need to chisel the rivets heads off these strengthening plates to free them.



Step 3

With the capping removed place the bulkhead removal bar on top of the raised rib that runs across the full width of the bulkhead behind the front seats (see arrow A).



Step 4

Centralise the bar and mark a line around the top/upper edge of the bulkhead bar as illustrated above. Remove the bulkhead bar. The section of the bulkhead panel above the line you've just marked is the section that needs to be cut away.

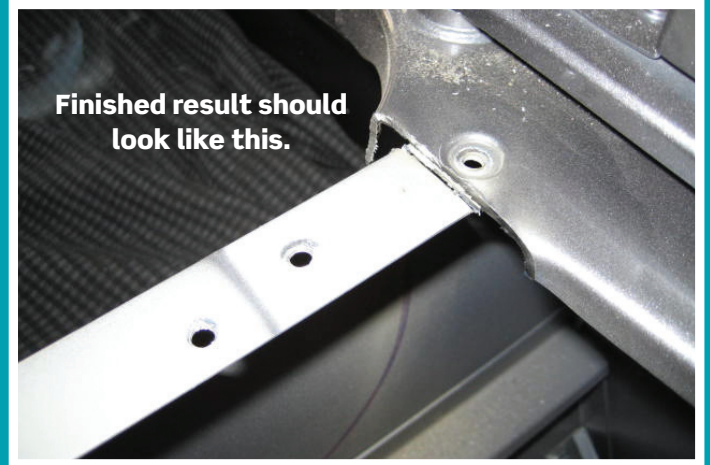
Step 5

Cut away the bulkhead panel following the U-Shaped cut-line you've just drawn. If you're using a jigsaw, remember to use the correct type of jigsaw blade suitable for cutting aluminium. Don't worry too much about getting an arrow straight line, as this cut edge will be hidden when you come to fit the finishing angle strip onto the main bulkhead bar. Always wear eye protection when cutting aluminium.

Step 6

Trim back the section of the front body corner capping in order that the capping does not protrude beyond the upright/vertical face of the bulkhead removal bar as arrowed in the pictures below.

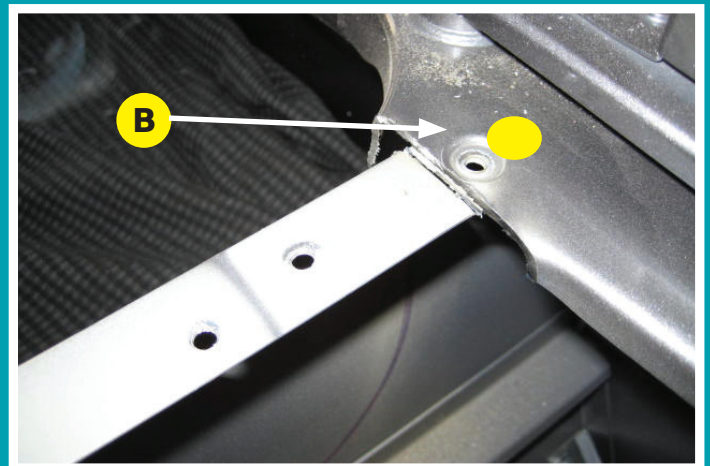
This cut can be made before cutting the bulkhead panel out as illustrated in the picture below right.



Step 7

With the bulkhead cut away, you now need to mark the positions for the bolt holes in the body capping. These holes need to align with the large hole in the end plate when positioned on top of the capping. This is the tricky part...! We recommend marking a line on each upright leg of the bulkhead bar and use the marked line as an indicator for where to mark the position for the bolthole on the body capping. The bolt hole should be just off the edge of the rivet hole as illustrated by B below. Centralise the bulkhead bar and use the marked line as an indicator for where to mark the position for the bolthole on the body capping. The bolt hole should be just off the edge of the rivet hole as illustrated by B below.

Drill the capping using a 10mm drill. Bolt the end plates down into the bulkhead bar with the fasteners supplied and then secure using the three rivets in each end plate.



The end plates are fitted as per the photo below. The section of the end plate with two rivets goes toward the front of the vehicle.



Note: Factory Station-Wagon models fitted with side window trim panels may require some minor trimming in their front corners to aid fitting of the bolts that secure the end plates into the bulkhead bar. Alternatively you may wish to remove the side panel completely to access the bolts.

Step 8

The angle-finishing strip can now be placed over the bulkhead bar from the rear of the car so that it covers the rough-cut edge. To get a snug fit between the bulkhead bar and the finishing strip clamp the two together using small off cuts of timber or similar to protect the powder coating (see below). With the two sections clamped together, work along the bar, drilling into the bulkhead bar through the holes in the finishing strip and rivet each hole in turn. Use a good drill bit since the steel box section is tough.



To conceal the rivet heads you may wish to touch them in using a small paintbrush with satin black paint, equally the bulkhead can be painted to colour match the exterior of the vehicle as pictured above.

MUD Recommends...

Why not compliment your new bulkhead removal bar with a pair of MUD Seat Rails? These simple to install seat-mounting rails provide extra rearward travel to offer front seat occupants a greater degree of comfort and legroom. Ideal for taller drivers and owners of later model Defenders where footwell space and legroom space is further restricted.



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