

Change a Rivet tutorial

The two videos “Change a rivet” and “Change a rivet part 2” are to be viewed along with this short description.

Tools:

A hammer.

A 2mm nail.

A drill with a 4.2mm drill bit.

A rivet gun.

Change a rivet (part 1)

The video “Change a rivet” shows a jury tube’s aluminium end-fittings rivets drilled out in order to replace them.

The first step is to hammer in the rivet’s steel core so as not to damage your drill bit when drilling. Using the hammer and nail, place the nail in the centre of the rivet head and tap the core down so that it becomes free from the rivet.

Next, using the drill with a 4.2mm drill bit, drill just the head of the rivet. This consists of drilling the centre of the rivet by a 1 or 2 mm so that its ‘lip’ comes loose and frees the aluminium fitting from the tube. The entire lip should come off as a small ring of aluminium (see video).

Next you want to drill the remaining part of the rivet by a few mm. Drill through the first 3 to 4 mm. This will release the aluminium fitting completely as well as the rivet inside the fitting.

When the fitting is loose, remove it from the tube.

Remove the rivet nipples that are left inside the fittings. The remnants of the rivet may be a little difficult to remove, but with the help of a nail you should be able to tease them out of the inner cavity of the end fitting.

Change a rivet (part 2)

The video “Change a rivet part 2” is a continuation of the above.

Once you have cleared all remaining parts of the old rivet from the fitting, replace the fitting inside the tube as shown in the video. The video also shows the two leftover rivet nipples that were removed from inside the end fitting.

Align the holes of the tube with those of the aluminium fitting and with the rivet gun, rivet the fitting to the tube with the new rivets as shown in the video.

That’s it.