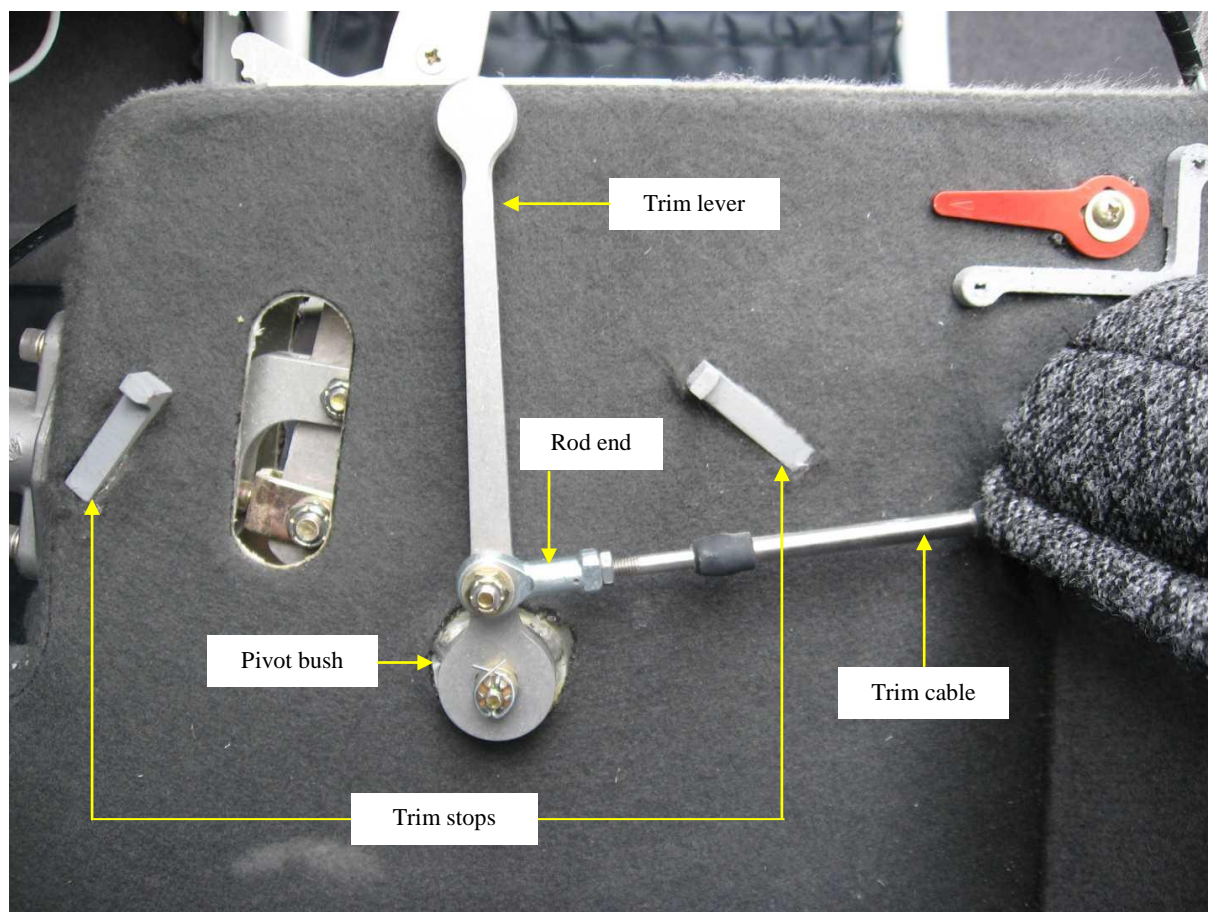


Pre-Paint>Fuselage>Interior>Console>Pre-fit trim control

Objectives of this task:

To pre-fit the trim pivot assembly, trim stops and the dual trim levers to the centre console and fit the trim cable clamp to the seat base. At the completion of this task the trim levers will be removed and put aside until the final fitting following painting and installation of the upholstery.



This task is broken down into three items, which should be done the following order:

1. Align & fit the trim pivot bushes
2. Align & fit the trim stops
3. Align & fit the trim cable clamp

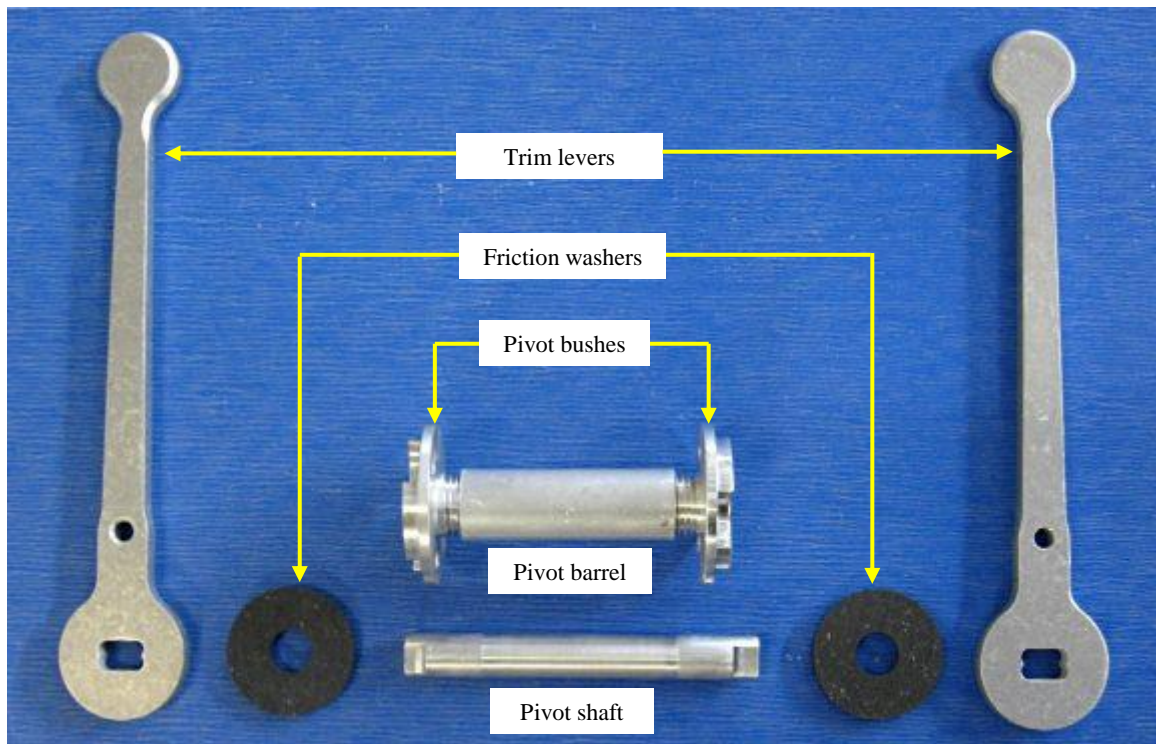
Materials required:

Card # 2T or 2J 'Trim System'

Epoxy Resin and Flock

5 minute Araldite

260 x 160mm 3-ply for template



Trim pivot and trim levers:

Align and fit the trim pivot bushes

Pilot holes for the *pivot bushes* are pre-drilled in the console. Start by enlarging the holes for the *pivot bushes* slightly with a round file until the *pivot bushes* can be fitted snugly and the file sits level through the holes and square to the console when viewed from above.



Screw the left-hand *pivot bush* firmly into the *pivot barrel*.

Push the pivot barrel through the console and flock into place then loosely fit the right-hand side pivot bush. Line up the left-hand side rivet holes and secure the left-hand side *pivot bush* with three TLR rivets as shown at left.

Push the *pivot shaft* through the *pivot bushes* and temporarily fit the *trim levers*, including the *friction washers*, and tighten the castellated nut onto the pivot bolt by hand until the *trim levers* are held securely onto the *pivot shaft*.

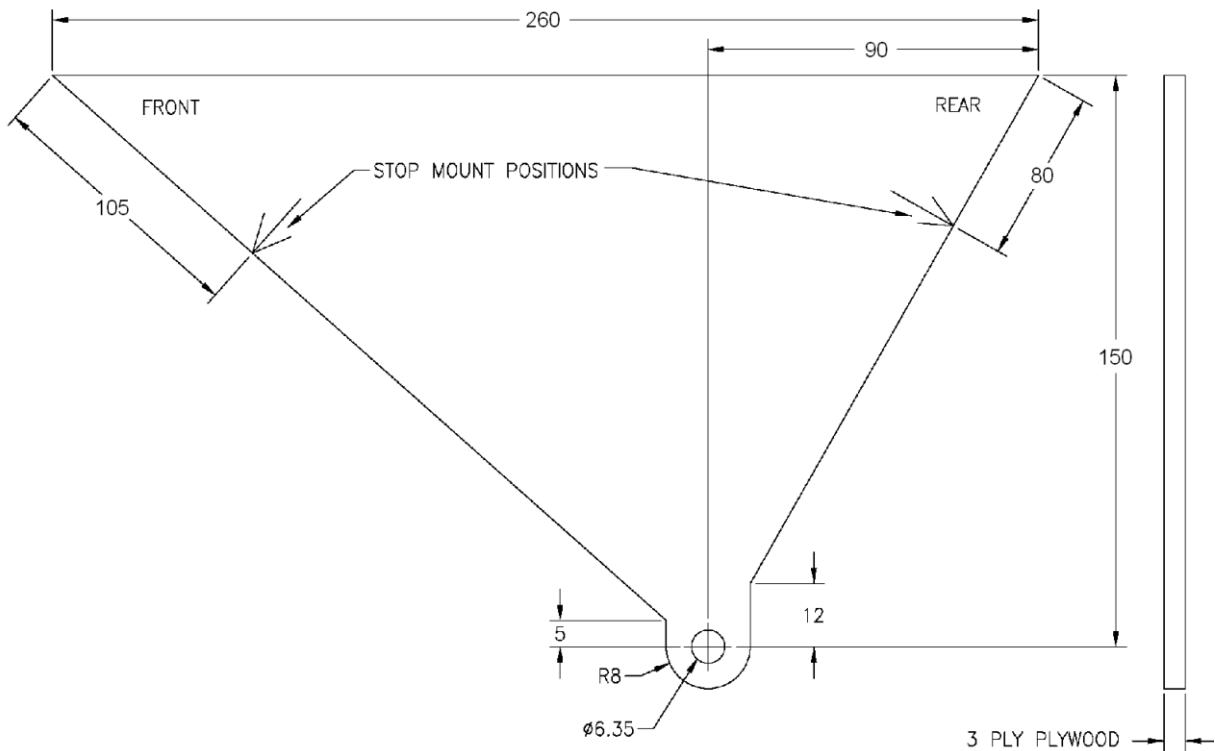
Move the *trim levers* fore and aft: both *trim levers* should maintain an even distance out from the console. If this is not the case the hole for the right-hand *pivot bush* may need to be elongated slightly to correct the alignment. Note that if the right-hand hole has been elongated you will need to rotate the right-hand *pivot bush* 1/6 of a turn and drill three new rivet holes for that side only.

Once the *trim levers* can move freely fore and aft while maintaining an even distance out from the console, flock and tighten the right-hand *pivot bush* firmly into place and secure with three TLR rivets, fitted one at a time and rechecking the *trim levers* alignment after each rivet has been placed.

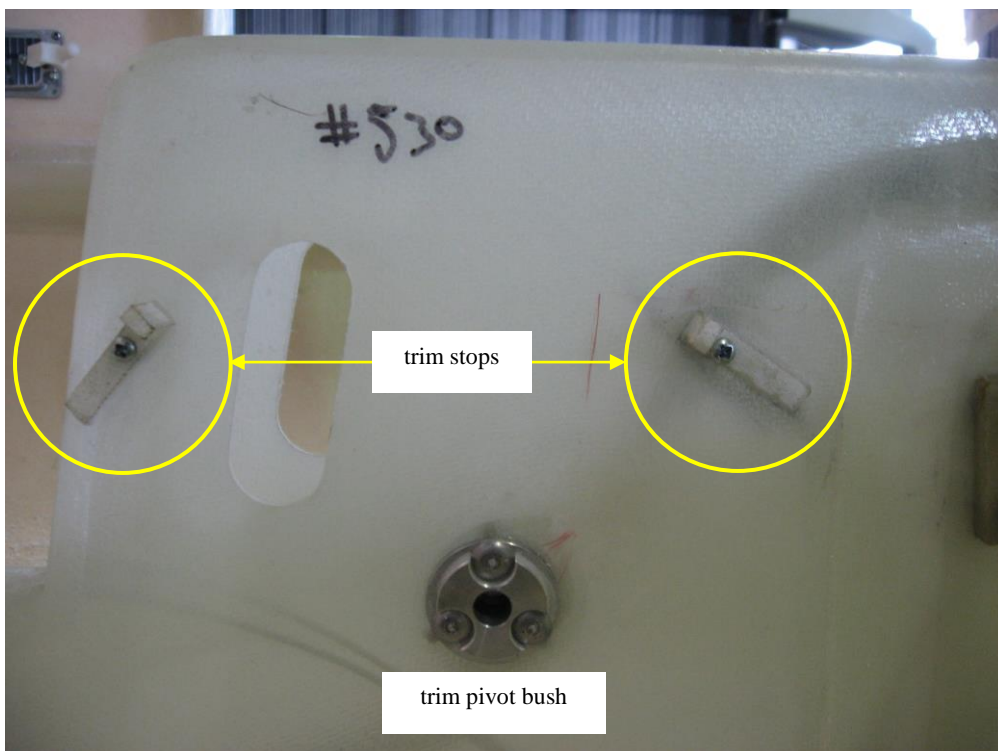
Smooth any surplus flock with a small amount of resin on a clean mixing stick.

Align and fit the trim stops

Make the template from a piece of 3-ply plywood as shown below and position the hole at the bottom of the template on the *pivot shaft* and the top level with the top of the forward console.

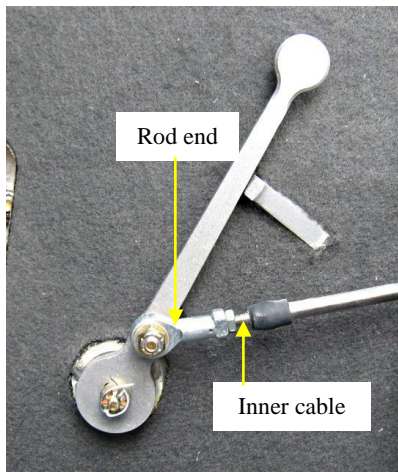
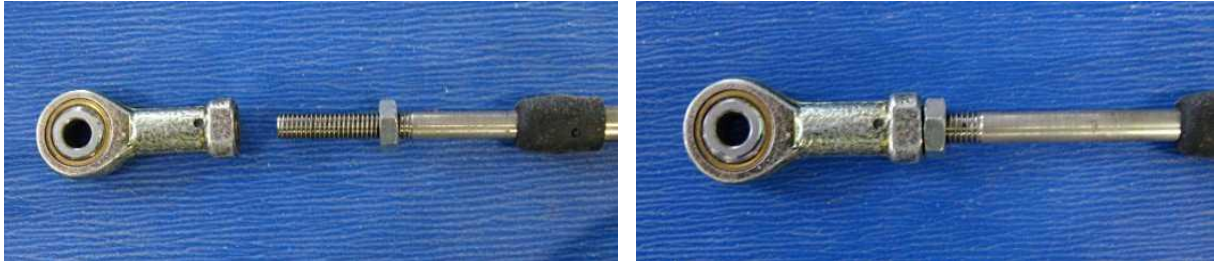


Mark the locations for the *trim lever stops* on the left hand side of the console only and lightly sand the areas underneath to ensure a solid joint. Using 5 minute Araldite and flock, fit the *trim lever stops* in position, temporarily secure each with a self-tapping screw and leave to cure, then remove the screws and fill the holes.



Align and fit the trim cable clamp

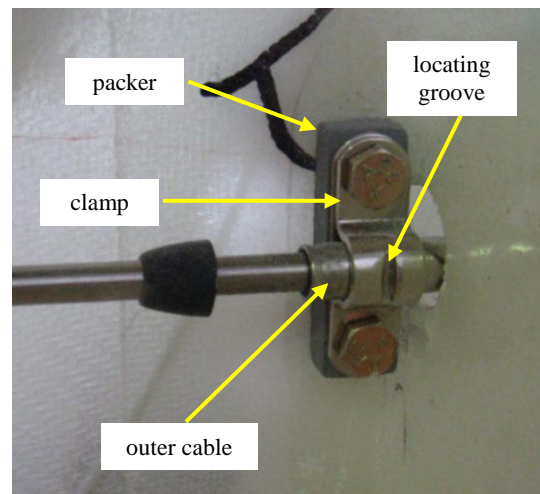
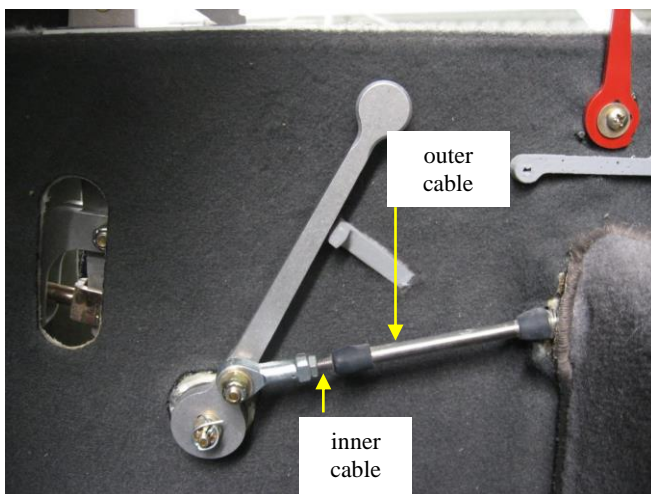
It is important that the *trim cable clamp* is accurately positioned against the left-hand side of the console in a way that minimises any bending loads on the *trim cable*. The procedure is as follows: with the *trim cable* in place and working from the left-hand side of the console, put a *rod end* fully onto the cable end: thread the *rod end* all the way onto the cable end, then bolt the *rod end* to the left-hand *trim lever* as shown in the first photo below.



Push the *inner trim cable* all the way into the *outer cable* then put the *trim lever* against the rear *trim stop* as shown at left. This is the correct position for the *outer cable* to be secured by the *cable clamp*. Fit the *cable clamp* to the *outer cable* and make sure that the *cable clamp* grips the *locating groove* on the outer cable (circled at right).



Position the *trim cable clamp* against the console in such a way as to line the *trim cable* up with the *rod end* on the *trim lever* and drill 2 x 3/16 holes through the *cable clamp packer* and into the side of the console as shown in the photo shown below at right. Temporarily position with 2 x AN3 bolts.



Bond the *cable clamp packer* into place and leave to cure. Remove the aligning bolts. Fit the *cable clamp shim*, the *trim cable* and the *cable clamp* and mount with 2 x AN3 bolts placed from the inside of the console and secured with Nyloc nuts on the outside of the *cable clamp*. Remove the *trim levers*, *pivot bolt* and *pivot shaft* and put aside for later fitting after painting and upholstery have been completed.