

## ***Pre-Paint>Fuselage>Interior>Fit rudder pedal mount blocks***

### **Objectives of this task:**

In this optional task the lower rudder pedal mounting blocks will be checked for vertical alignment and if necessary the lower blocks will be flocked into place on the floor brackets. This task shows how to ensure that the blocks are aligned correctly.

### **Materials required:**

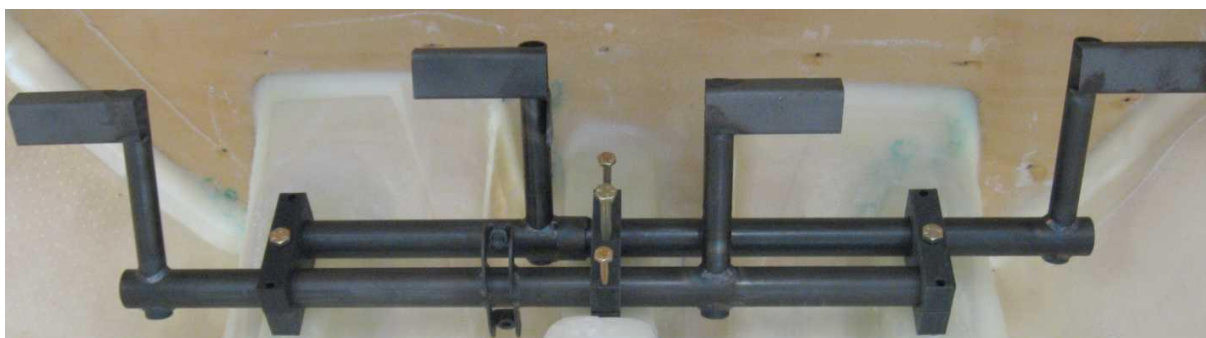
Rudder pedal mounting blocks (3 pairs)

3 x ¼" and 2 x 3/16" bolts, 3" or longer

Rudder pedals

Epoxy Resin and Flock

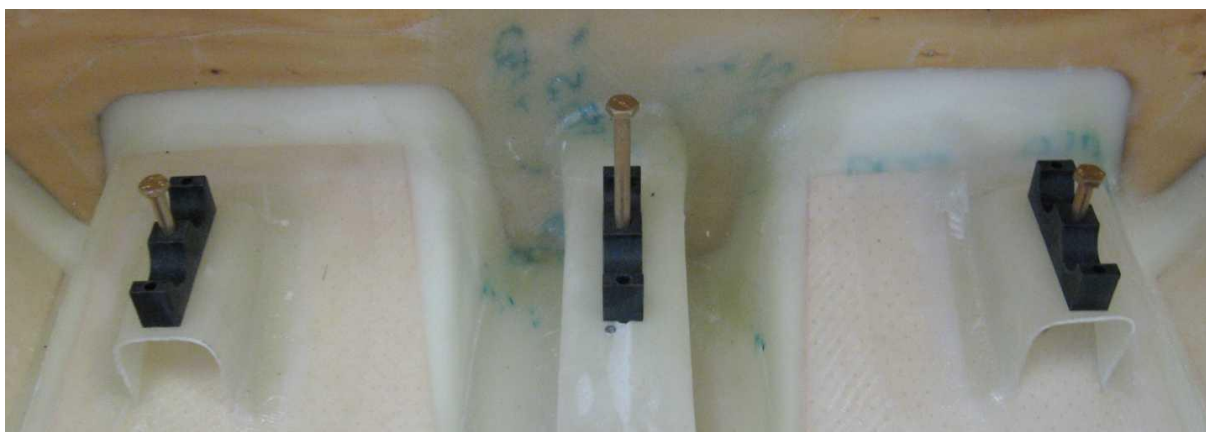
### **Check the alignment**



Fit the rudder pedals into place as shown above, with the mount blocks supporting the pedal assembly. Check each lower block to see if it is touching both the floor mounts and the rudder pedal assembly main bar. If any block can be moved up and down then you should follow this procedure, otherwise skip this task and go to the next task.

### **Align the Mount Blocks**

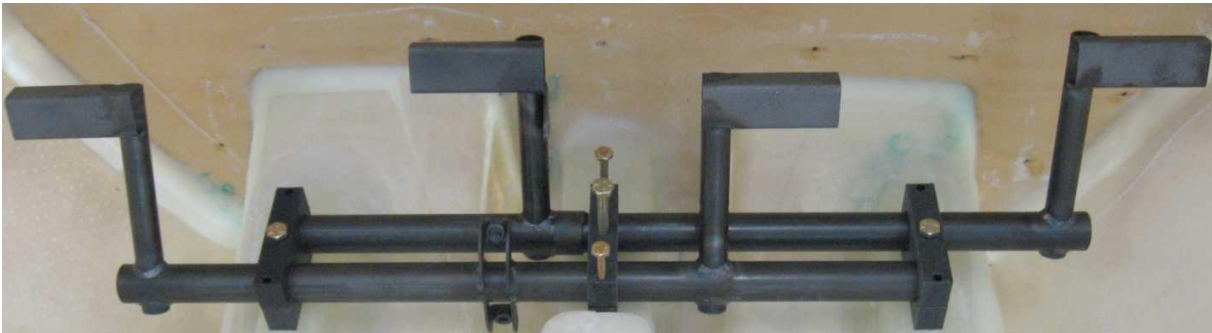
The key to correct alignment is the use of a bed of flock under each mount block to allow for any unevenness in the height of the three floor mounts – sometimes there may be a slight height difference that, if not corrected, could lead to binding of the rudder pedals.



Position the three mount blocks by placing a centre bolt through the centre hole of each mount block only. Mark a pencil line around each mount block and then remove the mount blocks.

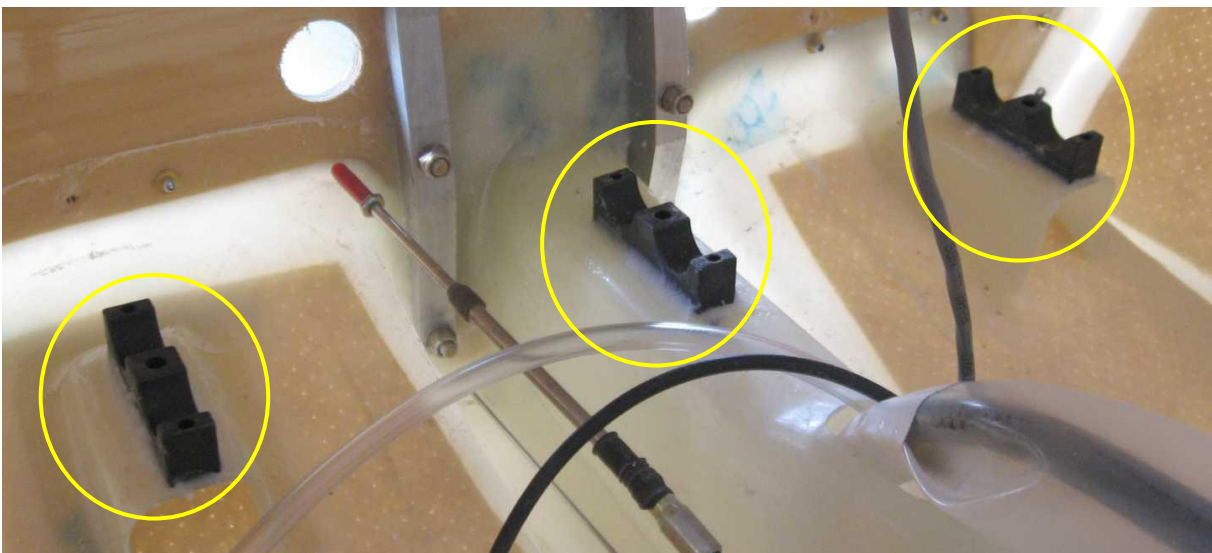
Sand a slightly bigger area than the marked area and sand the bottom of each mount block to ensure a good key for the flock.

Mix a small batch of flock and apply to the marked areas, taking care to keep flock out of the three captive nuts under the centre mount block, then loosely place each mount block into position again with a single bolt in each centre hole. Gently place the rudder pedal shafts into the blocks and apply a slight downward pressure to seat all three mount blocks firmly into the flock.



Now fit the top of the mount blocks: working on one mount block at a time, remove the centre bolt, place the top of the mount block in place and replace the centre bolt. Place all three bolts in the centre mount block and do them up by hand until the bolts reach the bottom of the captive nuts – this will ensure that no flock will get into the threads.

Carefully rotate the rudder pedal shafts by moving the rudder pedals forwards and backwards – there should be no binding whatsoever.



Smooth off any excess flock with a small amount of resin on a clean mixing stick. Leave to cure, taking care that no flock has contacted the rudder pedals. When the flock has gone off and is firm, carefully remove the bolts. Once the flock is completely cured remove the top of each mount block and the rudder pedals and set them aside until after the paint and upholstery tasks have been completed.

Run a drill through the holes in the left and right mount blocks to remove any excess flock.

This completes the *Pre-Paint>Fuselage>Interior>Fit rudder pedal mount blocks* task.