

Dingo Servo Mounts

Under board Tie Bar Kit

Safety Precautions.

Before installing this product, make sure that you have read the full instruction guide and are comfortable with the requirements.

Make sure that all parts, especially plastic packets, are kept away from young children.

These units are not toys, but serious modelling parts.

Description and Origin

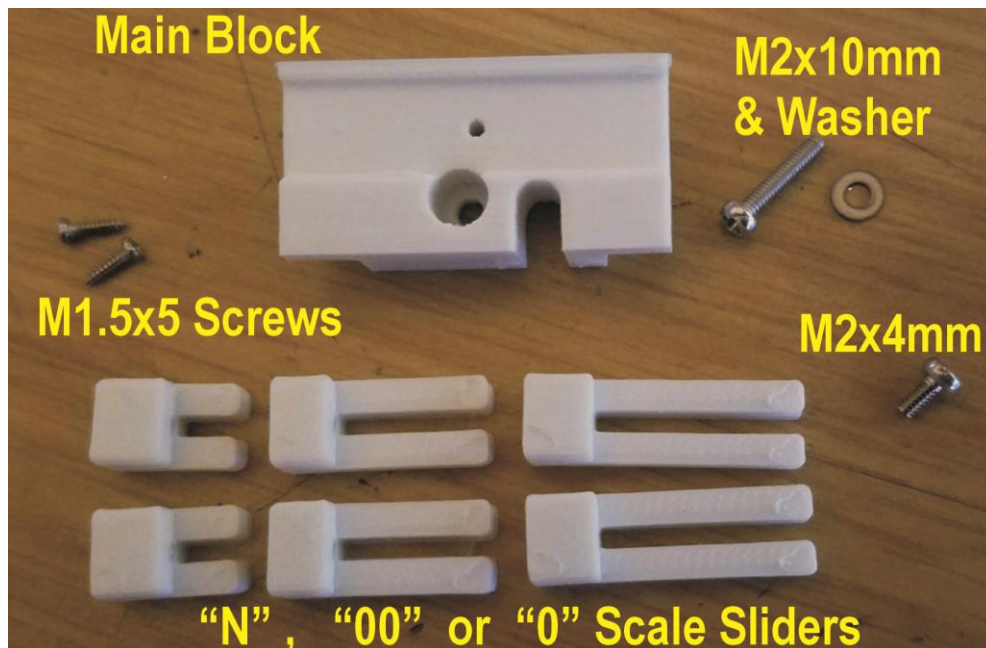
This tie bar kit is designed to convert a standard Low Profile mount for use with hand laid track which has no standard tie bar.

The traditional way of doing this is to solder 2 droppers to the blades of the point and then to connect them together under the baseboard in order to operate the point.

There seem to be 2 schools of thought – one allows the droppers to spin freely thus putting less tension on the point blades, while the other likes to tighten the droppers to avoid lifting in any way. This kit allows for both options.

The parts of the kit are detailed below.

You will also need a standard Low Profile mount to fix the kit to.



**Note that this kit comes in 4 sizes "n" "00" "P4/EM" and "0" gauge
Make sure that you have the correct kit before assembly**

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Part Description	Qty
Main Body	1
Sliders (Different gauges)	2
M2 x 4mm Screw	1
M2 x 10mm Screw (and washer)	1
M1.5 x 5mm Self Tap screws	2

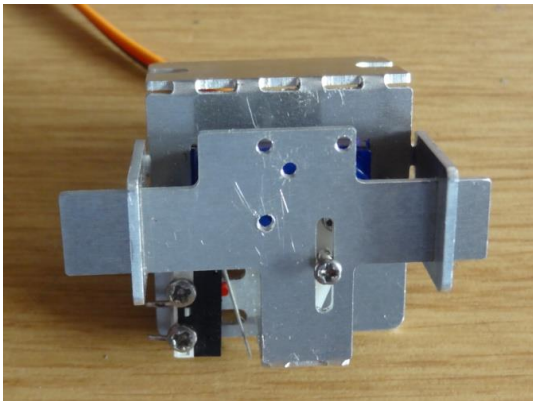
Assembly

Begin by assembling the Low Profile mount (See instructions and video on website.)

This must be made up in the way shown but leave out the 3 off M2 x 3mm screws as per picture attached.

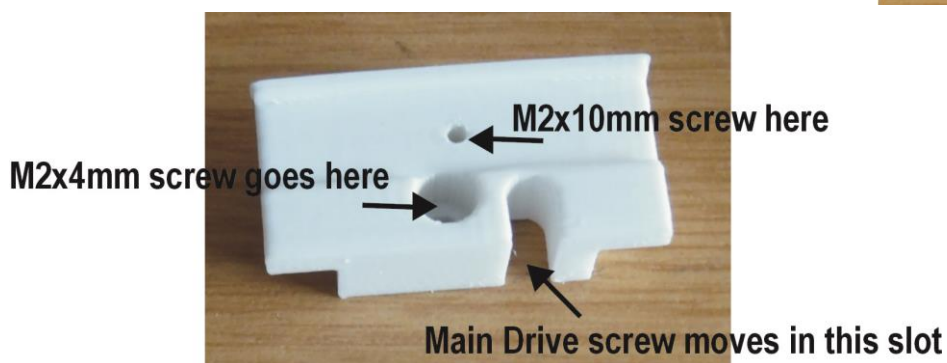
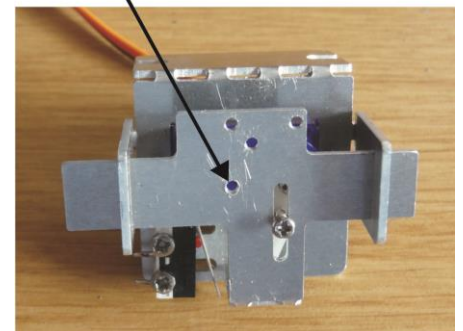
Please note that aluminium can only be folded once

Make sure you are correct before folding.



Fit the main block to the mount with the single M2 x 4mm Screw as shown here.

M2 x 4mm screw locates here



The M2 x 10mm Screw (with washer) can be inserted into the top hole and screwed part way in.

This hole should self tap quite easily.

Make sure that the unit operates freely and that the drive screw doesn't catch onto the plastic block.

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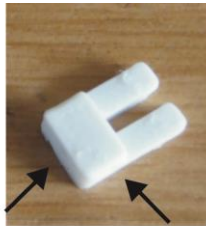
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Now prepare the slider blocks to accept the droppers that you have fitted to the point blades.

The holes for the droppers are nominally 0.5mm diameter.

These can easily be drilled bigger to suit.

Some modellers use hypodermic needles for this.



M1.5 x 5 mm screw here, if required.

**0.5mm hole to secure dropper
Can be drilled out to suit**



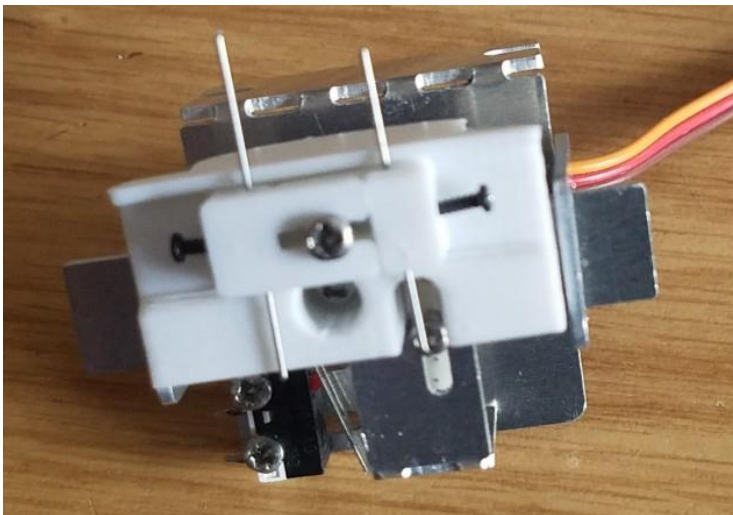
The small screws can be inserted at this point and not screwed all the way in

Also remember that the blocks fit in opposing directions and slide against each other to create the correct spacing.

Now slide them into the main block and adjust to the correct spacing before tightening the centre screw.

Don't over tighten this as the sliders may be crushed in the process.

The finished article should look something like this. (in "n" scale)



The right hand picture shows an "0" scale set put together without the retaining screws.

All that remains to be done now is to fit the unit in place and secure.

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Be careful when doing initial testing and setup so as not to put excess strain on the unit or your carefully constructed point.

As this is a new product I welcome feedback to improve the units as we move forward.

Dave Ingoldby

Mobile 07754901324

www.dingoservo.co.uk

If you haven't already seen our amazing servo mounts in action, please check out the Video Links Page on our website.

You may also be interested in our small magnet attachment for the signal mount.