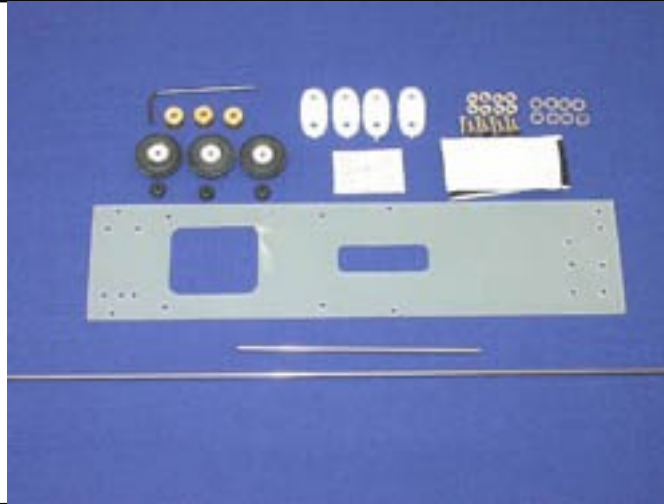
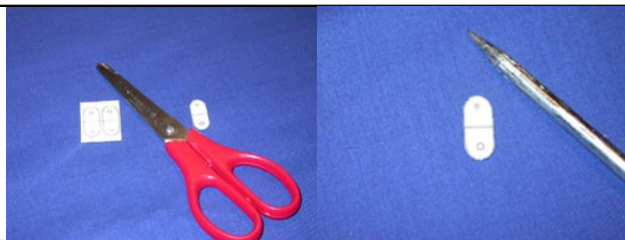


Assembly Instructions for 400/450 size Retract Undercarriage



Please read the complete instructions, before commencing assembly.



First trim the outline of the two plywood servo arms.

Using a bradawl, pierce the small circle sufficient for the connecting wire.



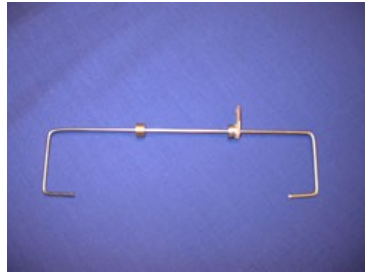
Next, cut across two of the collars as shown, and rough the surface with sandpaper, this will give a good bond when glueing the servo arms to the collars. Before glueing insert a piece of balsa wood, and then trim it flush with the surface. This will prevent superglue bonding the grub screw and preventing adjustment.



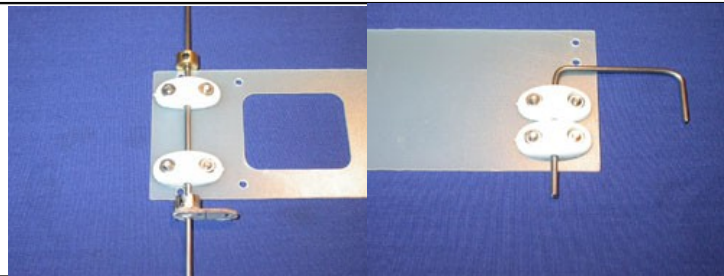
Then, using thick superglue, bond the arms to the two collars. It is recommended that you place the screw as shown for ease of adjustment.

When set, drill from the open end with a 2mm drill to clear the balsa wood and allow the piano wire to pass through.

High Torque



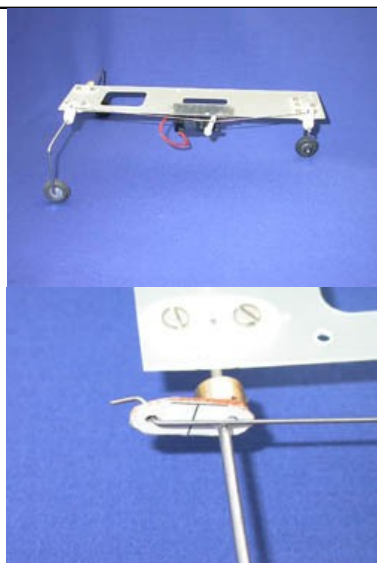
Bend the piano wires for the wheels, using the templates provided.
Ensure that you insert the wire through two of the collars, one with a servo arm, the other without, BEFORE bending the wire for the dual wheels. The servo arm should be placed to the outside on the wire as shown.



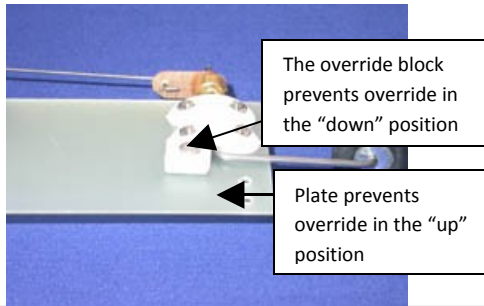
Mount the undercarriage wires using the 4 clamps supplied, ensuring that the servo arms are on the same side of the board, and to the outside of their collars.



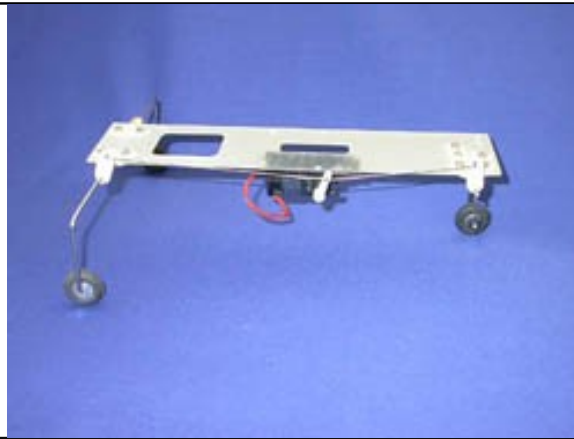
Drill the axle holes in the wheels with a 2mm drill.
Place the wheels on the wires, these are retained by the rubber grommets supplied.
You should find that the wheels are a tight fit, if you specifically wish the wheels to turn, just rotate them for a few minutes this will free them on the wire. To avoid "Creep" on the ground it might be advisable to leave the wheels "tight".



Now mount the servo using the stickyback Velcro supplied, cut the thin piano wire to the lengths required and connect the servo arms using a Z bend on the wire. Adjust the positions of servo arms using the hexagon key provided. Test the action of the servo before mounting the board onto your mechanism to ensure that the servo arm positions are correct



To avoid servo “override”, the mounting plate acts as a stop in the up position, and the small block acts as a stop in the down position. The small block will have to be adjusted with sandpaper to fit to obtain the correct angle.



Wire bending templates

MAIN WHEELS UNDERCARRIAGE TEMPLATE

Ensure that the two collars, one with a servo arm fixed to the outside of the collar, are fitted before bending the main undercarriage wire

NOSE WHEEL UNDERCARRIAGE TEMPLATE

Please note:

These templates are for the Airwolf width main wheel undercarriage, the width of the wire can be adjusted to suit other, narrower, fuselages.