

ARISTO-CRAFT "QUAD-TROL" SELECTIVE ESCAPEMENT

Actuators and Escapements are electromechanical, or rubber band energized devices, which move the control surfaces, control directional movement, and can also adjust and control engine or electric motor speeds. A combination of these devices can be arranged to give almost "cockpit" control of models.

Since Actuators and Escapements are usually installed permanently in hard to get at positions inside a model, it is important that such equipment be "trouble-free" and positive acting.

The Aristo-Craft "Quad-Trol" gives trouble-free, positive, precise control of rudder and elevator, plus electrical contacts for a motor control mechanism and when used with the Aristo-Craft "Code-A-Matic" control box your single-channel receiver now gives Multi-Channel operation.

The installation is simple and only a few precautions are necessary, on the part of the modeler, for smooth operation:

1: Mount the "Quad-Trol" flush to your bulkhead slightly ahead of the wing trailing edge. This is the most popular installation location; however your "Quad-Trol" will function equally as well in any position and location.

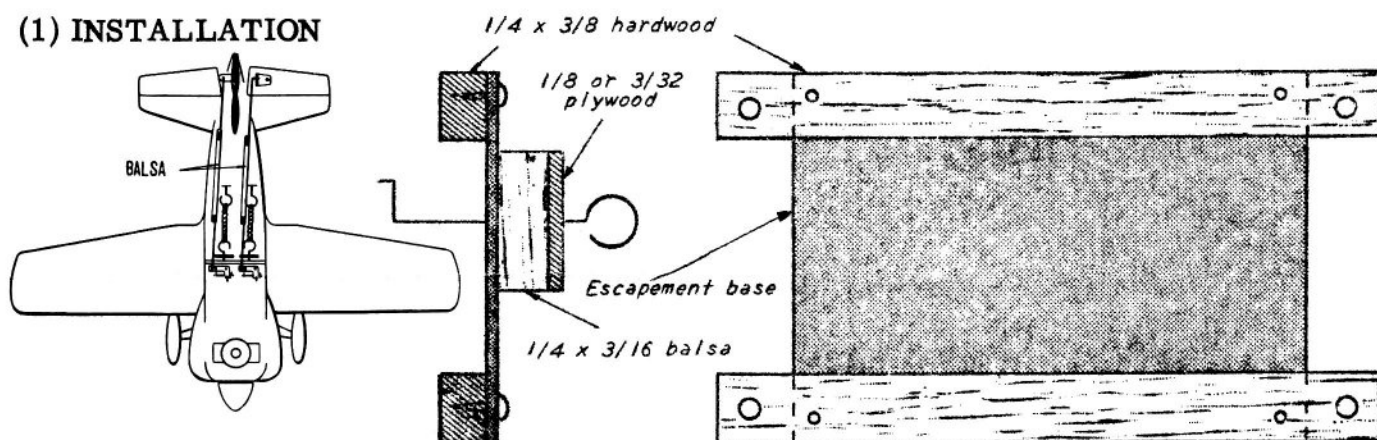
2: Be sure that all controls work smoothly without bind BEFORE attaching the escapement push rods.

3: Use 2 strands of $\frac{1}{4}$ " flat rubber approx. 10% longer than the distance between hooks.

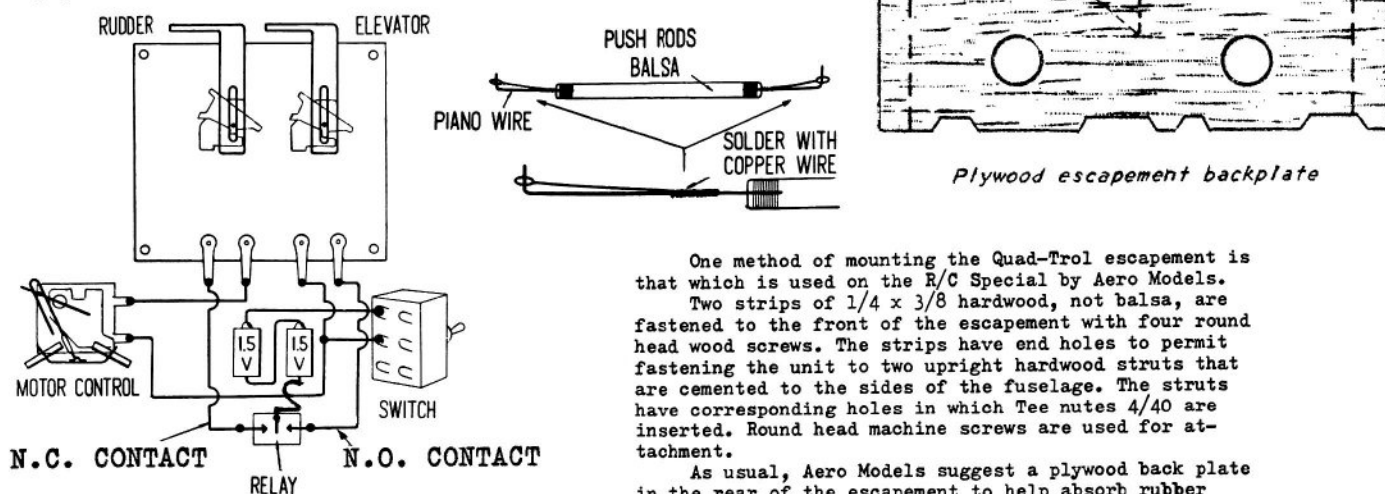
4: Follow the wiring diagram carefully and use only 3 volts.

Quad-Control Installation

(1) INSTALLATION



(2) WIRING DIAGRAM



One method of mounting the Quad-Trol escapement is that which is used on the R/C Special by Aero Models. Two strips of $\frac{1}{4} \times \frac{3}{8}$ hardwood, not balsa, are fastened to the front of the escapement with four round head wood screws. The strips have end holes to permit fastening the unit to two upright hardwood struts that are cemented to the sides of the fuselage. The struts have corresponding holes in which Tee nuts $\frac{4}{40}$ are inserted. Round head machine screws are used for attachment.

As usual, Aero Models suggest a plywood back plate in the rear of the escapement to help absorb rubber motor slam in a hard landing. Balsa spacers $\frac{1}{4} \times \frac{3}{16}$ are used. An extra wedge shaped is also inserted in the upper center for additional support. Contact or Plibond is used for the adhesive.

The upper wood strip on the escapement is cut in the rear to fit against the metal bracket and its screws so that it will be flush with the micarta.

(3) OPERATION

