

Follow the step-by-step instructions in the "Building A Kadet Aileron Wing" leaflet.

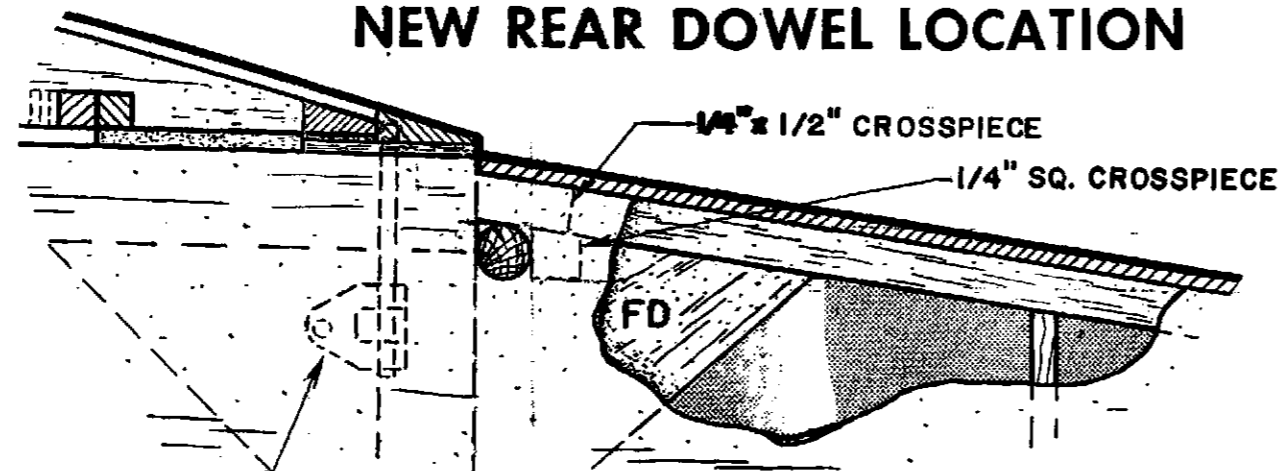
HINGING HINTS

Here are some pointers for a good hinge installation.

- 1.) Pre-flex the hinges by bending them back and forth to extreme angles several times before using.
- 2.) The hinges have a flat and un-flat side. Have the same side down on all the hinges.
- 3.) The overly-wide slot provided by the 1/16" hole method is intentional. It allows the last half of the hinge to take a non binding position as the glue sets up if the hinge didn't happen to be perfectly aligned when the first half was glued in place.
- 4.) Use plenty of Sig Kwik-Set epoxy glue in the slot. A pin hole into the bottom of the slot prevents air lock. Be sure glue gets into the holes in the hinge by putting some there before inserting it in the slot.
- 5.) Let the glue set up for several minutes. During the time from about 7 to 15 minutes after mixing, the excess glue that has squeezed from the slot can be peeled off easily. Don't leave glue covering the thin, bendable portion in the center.

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NEW REAR DOWEL LOCATION



TEST FLY WITH CONNECTORS POSITIONED AS SHOWN. WHEN MORE AILERON MOVEMENT IS NEEDED, SLIDE THEM NEARER TO THE WING.

With the new location of the dowel, there should be sufficient clearance for movement of the aileron horns. Check carefully to make certain, however, that they do not jam against the dowel. If the dowel has been thoroughly glued against the crosspieces with epoxy, notches can be cut in it for horn clearance without any great loss of strength.

