

# STRUT MOUNTED WINGS AND LANDING GEAR — A SIMPLIFIED METHOD OF FINAL ASSEMBLY

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All attachments are designed to be strong in both Compression and Tension by using light weight monofilament fishing line as assembly pins.

### Advantages of this system:

- A. Greatly simplifies final assembly.
- B. All joints are flexible and strong in tension.
- C. Flexible joints absorb energy during crashes.
- D. Improves appearance duplicating a scale appearance of fittings at attach points.
- F. When rigging is required, provides a convenient way to locate rigging.

1. Sub-assemble all wing struts, cabane struts, and landing gear and final point.
2. Drill holes in end of struts using a straight pin and, using 1" pieces of monofilament, cement pins into all strut assemblies using cyano gap filling cement.
3. Cut pins to approximately 1/4" (1/8" on peanuts) on all strut sub assemblies.
4. Drill pin holes in body and wing structures about 5/16" deep and mark with black ink before covering. After covering pierce holes with a pin and mark with black ink. Finish doping and painting model.
5. Use sub-assembled struts as fixtures to assist assembly. Cement with a small coating of a gap filling cement after pre-assembly to check alignment — use only enough cement to hold joint — joints can be worked loose later for adjustment if necessary. Acetate Cement thinned with acetone 50% can also be used — Note double coat hole and strut pin.
6. Monofilament for all fitting and rigging is available at stores selling fishing supplies.

.003	1.75lb light weight rigging
.006	2 lb medium rigging
.010	6 lb peanut attach pins
.017	17 lb larger attach pins

Caution: Do not rig too tightly on light weight models — there can be some tightening in extra dry and high heat conditions.

### Landing Gear Saver

Landing gear wire fitting (shown below) serves as a shock absorber -use wire size only as heavy as required to support model. Wire sizes are available at guitar music stores from .007 to .020 in .001 increments.

