Piper L4 “Grasshopper”

1/3 scale RC

PHOTO MANUAL
1. FUSELAGE

NOTE:

This kit represents the state of the art in this type of construction. Soon will be developed some accessories as ribs lacing, seats kit with functional yoke, and fiberglass scale floats (this fuselage is already with float fittings).

The pictures are of the prototype. In the serial production we can have made some improvements.
2. WINGS

NOTE:
The pictures are of the prototype. In the serial production we can have made some improvements.
1. Cut a set of bracing strips using the nylon mold as reference.

2. Align some strips and lock with some paper adhesive band. The strips must be one for each rib that you need.

3. Align a bracing strip to side and trace the referring lines.
4. Saw a complete set of bracing strips. You can use also a disk saw with angle regulation.

5. Refine the angle with sandpaper.

6. Mark each set with a referring nr.
LOW ACCURACY IS BETTER!

PUT A BIT OF BICARBONATE POWDER IN THE SPACE BETWEEN THE STRIPS AND GLUE WITH A DROP OF CYANOACRYLATE.

Note: the ribs shown are of the Bücker kit. For the Piper ribs use the same procedure.
MAKE THE GUSSETS WITH 0.8 MM PLY STRIPS
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Don’t hammering directly on the spar or on the diaphragms, use a strip of wood to protect.
If you don’t want to make the hole, you can use more height spacers (approx 40 mm).
3. COVERING
Lacing ribs not included. (Soon available as optional)
To mount a floor, glue some strip of milled obeche to bottom tubes.
For the first flight, place the CG to 140 mm from leading edge and insert the adjusting pin as in the image. In any case the Grasshopper can fly in a wide range of trim, in order the flight performance you prefer.
PIPER L-4 “GRASSHOPPER”
1/3 SCALE KIT

Wingspan:
3577 mm (140,83 in)

Length:
2260 cm (89 in)

Wing area:
186 sq/dm (20 sq/ft) aprox

Weight:
13,5 Kg / (30 lb) with Kavan FK50 twin

Engine:
30 cc 2 stroke, boxer 4 stroke as Titan ZG 26, OS 300 or 600 Gemini, Salto 300, Kavan FK50, etc.
up to 100 cc for big gliders towing

Projected and drawn by Paolo Severin - August 2011

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