

# LITTLE GEM

Designed by  
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and **J. DALY.**

A 22" SPAN GOODYEAR CLASS TEAM RACER  
FOR 2.5 - 3.5cc ENGINES (A.P.S. CODE G,H)

L.E. 1/4" sq. Spruce

L.E. 3/4" x 1/4" med.

**PLAN VALUE**  
**20p**

Ribs from 1/4" x 1/8" medium strip (taper 1/4" - 1/8" from 50% chord to front of T.E.)

Heavyweight Laystrate lead-outs

1/16" ply bellcrank mounts

Cover mount with Nylon patch

14 s.w.g. pushrod

Insert tank frame after completing structure

1/2" x 1/8" med. T.E.

Wing sections at root and tips

3/8" sheet check cowl (Hollow for lead ballast)

3/8" sheet

3/8" sq. hardwood bearers

Fuel cut-off (see detail)

Paint cockpit outline

3/8" soft sheet

3/8" x 1/8" hard outline

1/8" med. sheet

Cover fin with lightweight tissue

Horns from 20 s.w.g. wire

3/8" x 1/8" Spruce T.E. joint braces

Lightweight laystrate trip wire

1/2" x 3/8" hard

14 s.w.g. pushrod

3/8" x 1/8" Spruce

1/2" x 3/8" hard

1/16" Ply doublers each side

Secure u/c leg with doubled tinplate clips soldered to leg

3/8" sq. Beech

1/8" Dia. Bamboo Band Peg

10 swg undercarriage leg

1-1.1/2" dia. wheel

Sheet top and bottom of wing with 1/16" sheet

Cover wing with lightweight tissue

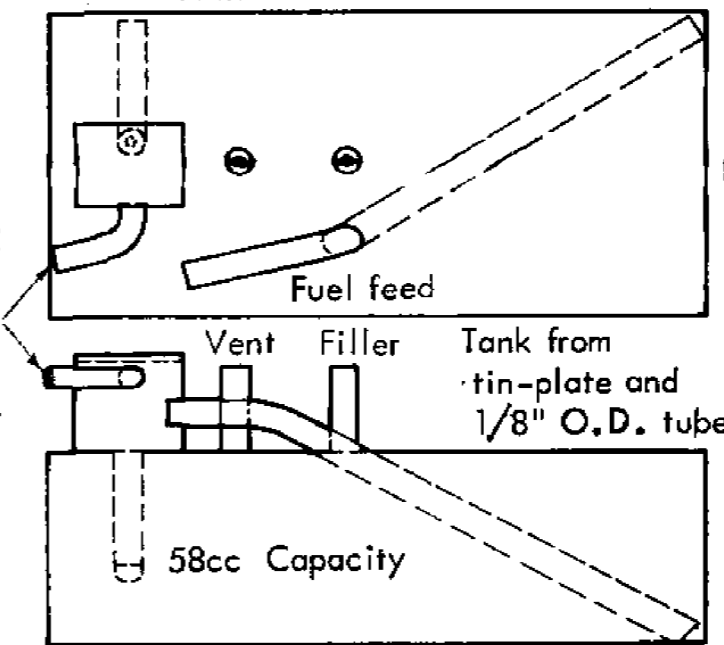
3/4" x 1/4" Tip block

Epoxy tin-plate tip protectors under both tips

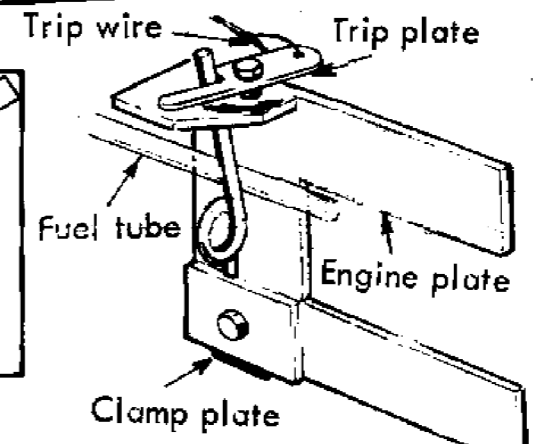
Nylon patch

14g Tail Skid

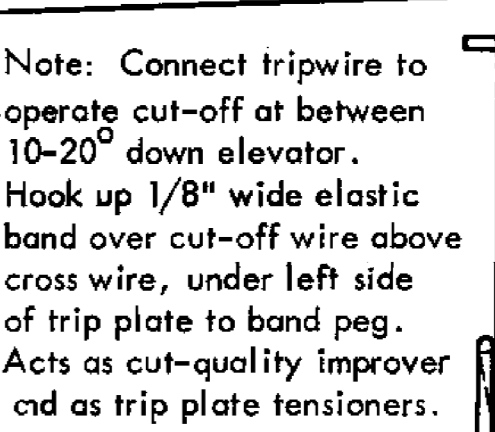
### PRESSURE TANK DETAIL



After filling tank, seal vent and filler pipes with a connecting piece of fuel tubing



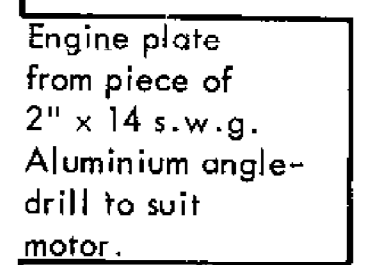
Application of down elevator releases cut-off wire to squash fuel tubing



Bind and solder on 16 s.w.g. cross-line

Note: Connect tripwire to operate cut-off at between 10-20° down elevator. Hook up 1/8" wide elastic band over cut-off wire above cross wire, under left side of trip plate to band peg. Acts as cut-quality improver and as trip plate tensioners.

### CUT-OFF DETAIL



Use 6 B.A. hold down and trip pivot bolts

