Suggest starting with 2 Deg. right & 3 Deg. down thrust. Adjust with washers.

Fuel tank of builder's choice.

1/8" Plywood

1/16" Balsa Tank

To fit to 1/16" Balsa Tank

1/16" Balsa hollow as required to accommodate tank

1/32" Ply. Switch Plate

Locate blind nuts to suit engine.

F1 installed with 1 Deg. down thrust

Carve to this outline after assembly

1/4" Balsa bottom between fuselage sides

Drill F1 as required for, engine, fuel lines & throttle push rod

0.032" Dia. flexible push rod with plastic housing routed to suit engine.

Clear plastic windshield

Windshield base frame

1/32" Dia. flexible push rod with plastic housing

Located blind nuts to suit engine.

1/2" Balsa hollow as required to accommodate tank

Fuel tank of builder's choice

0.5 oz. fiberglass cloth

After installing LG1, 2, & 2 & shaping fuselage reinforce with 0.5 oz. fiberglass cloth and epoxy 3/8" all around and re-tap holes afterwar

1/2" Balsa hollow as required to accommodate tank

Carve to this outline after assembly

1/2" Dia. Light Weight Wheels
To fit tank

1/16" Balsa Tank Support

Carve pilot from soft balsa.

Head Rest and cockpit carved from soft balsa.

6-32 x 3/4" Nylon Screws

Suggested starting C.G. move aft as needed to increase control.

response

Left 1/16" fuselage side sheeting omitted for clarity
Bend L.G. from 1/16" Dia. music wire

1/16" Medium hard balsa vertical stab. & rudder

3/32" "THE SEPTAL"

Locate to suit push rod.

1/16" Plywood

1/16" Balsa each side of vertical stab.

F 3

F 4

F 5

1/16" Balsa cross grain bottom sheeting (Do not install portion between F3 & F5 until pushrods are installed.)

0.032" Dia music wire attached with strong thread and epoxy

"THE SEPTAL"
1/16" Plywood

1/4A R/C Class I
Designed 1961
By Stan John
Redrawn for Class II
by Carl Hock 2012
Tip Grain
Top & Bottom

Suggest starting with 2 Deg. right & 3 Deg. down

Wrap w/copper wire and solder

W1 & Tip Bottom

1/16" Washer & JB Weld epoxy

1/16" Balsa sheet wing tips
1/8" Sheet balsa tip gussets

Bevel W1 & Tip Bottom

1/16" Ply windshield base frame

Carve to this outline after assembly

FD1-1/16" Balsa sheet vertical grain doublers between F1 and F2

Soft Balsa Nose Blocks

1/16" Sheet balsa tip gussets

Bevel W1 & Tip Bottom

1/16" Washer & JB Weld epoxy

Wrap w/copper wire and solder

Carve to this outline after assembly

Suggest starting with 2 Deg. right & 3 Deg. down
W1  3 Required
W2  16 Required
W3  2 Required

1/32" Ply drill and tap 6-32 NC

All Ribs 1/16" Balsa

3/8"x 1/4" Balsa L.E.

Top spar 1/8" x 1/8" hard balsa
Bottom spar 3/16" x 1/8" hard balsa

1/16" Balsa Fuselage Sides

Suggested routing of 0.032" Dia. M.W. push rods with plastic housing
1/16" Balsa wing center section sheeting top & bottom.

1/16" Balsa gussets top & bottom

1/16" Dia. carbon fiber or wire elevator joiner

3/16 Dia. hardwood dowel

1" Dihedral under each wing tip.

B

Soft balsa

Section "B-B"