

TROY BUILT MODELS



105" Curtiss JN-4 Assembly Manual

For assistance call TBM at (941) 342-8685

This model is not a toy. Please use in a responsible and safe manner.

Features:

- 1) The wings come off the fuselage without disconnecting any flying wires. This makes for easy set up at the field.
- 2) 35-50cc engine
- 3) 18 lbs ready to fly
- 4) Large tires for easy ground handling.
- 5) Uses analog servos
- 6) Flies very well, and landings are easy.

Parts Included with Kit:

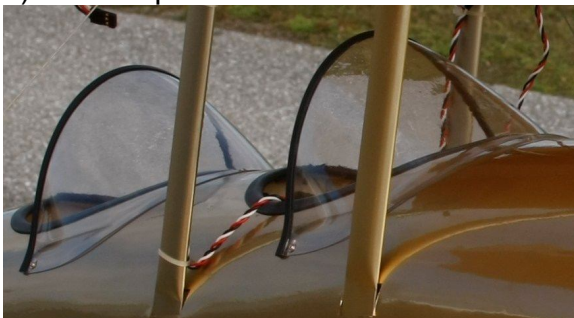
- 1) Fuselage



2) Cowl



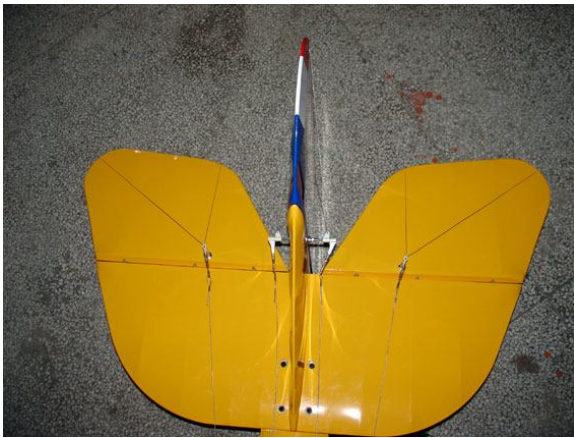
3) 2 Canopies



- 4) 3- piece wing for top and 2-piece wing for bottom. These will become a left and right wing section with the top and bottom wings remaining together for storage.



- 5) Rudder



- 6) Stabs



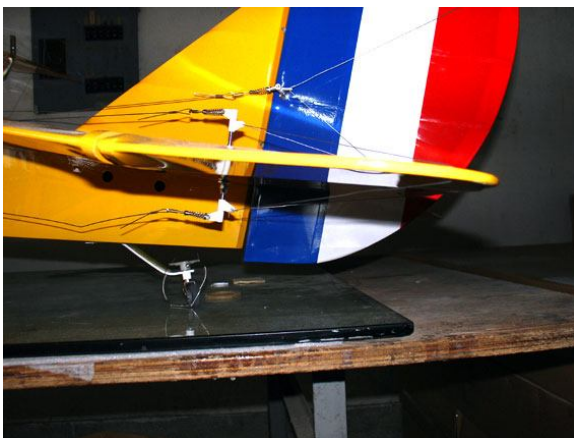
- 7) Landing Gear, tires, struts



8) Wing tip skids – these are CF rods



9) Tailwheel

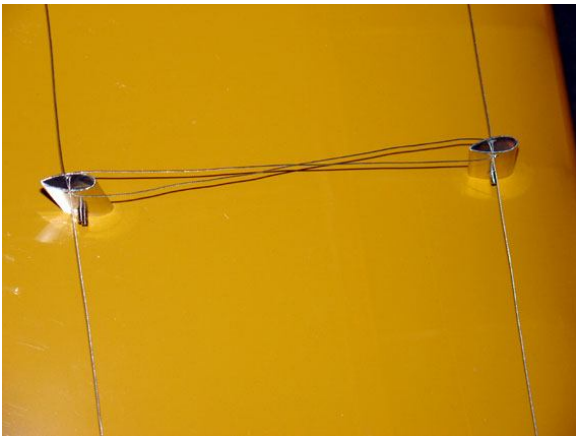


10) Scale Engine



11) Fuel Tank

12) Hardware, control horns, flying wires, etc.



13) Struts

Parts required to complete the kit:

- 1) 35-50cc engine
- 2) Muffler
- 3) Spinner not required. Full scale did not use a spinner.
- 4) Propeller
- 5) Pilot or 2 if desired
- 6) Hitec HS 645 servos for ailerons, elevators and rudder.
- 7) Two standard size servos for throttle and choke
- 8) 1 small servo (Hitec HS-85) for the retract valve.
- 9) Radio system. You need 6 channels max, 5 channels if you Y-harness the ailerons: 2-aileron, 1-elevator, 1-rudder, 1-throttle, 1-choke, 1-tailwheel steering and 1-retracts.
- 10) 6 metal servo arms 1" long. Use the shortest arm/hole possible to offer the best mechanical advantage. SWB have 4 holes drilled and tapped for 4-40 screws, so they are the easiest to use.
- 11) 10' of "one wrap" Velcro (TBM part # TBMVelcro)
- 12) Overflow fitting (TBM part# TBMoverflowfitting) for the gas tank overflow
- 13) Two 24" servo extensions for the ailerons which stay in the center wing section
- 14) Two 12" extensions for ailerons which stay in the Rx

- 15) Several servo plug clips which prevent plugs coming apart (TBM part# MPIclip or PPMJP)
- 16) Servo mounting screws
- 17) Engine mounting bolts, nuts and washers
- 18) We prefer two batteries about 2000 mah for the Rx with separate switches and regulators (if necessary) and one 1500 mah battery, switch and regulator for the engine (if necessary).

INSTRUCTIONS

If the engine you are using is less than 4 lbs, the plane will be tail heavy. Mount servos, batteries and everything possible as far forward as possible.

Note: We recommend a few changes to the instructions provided by Maxford products.

- 1) Use 1-2 degrees of downthrust instead of the 4 degrees they recommend
- 2) Set the horizontal stabilizer to positive 1 degree instead of the negative incidence they suggest. All measurements are taken from a datum line that we chose as the crutch inside the fuselage under the floor of the cockpit.

QUICK BUILD INSTRUCTIONS (for those in a hurry)

- 1) The lower wing is 0 to +1 positive, and the upper wing is +1 to +2 degrees positive.
 - 2) Install receiver.
 - 3) Install all batteries and switches as far forward as possible for CG reasons.
 - 4) Install rudder and servo
 - 5) Install tailwheel and servo
 - 6) Install stabs and servo
 - 7) Install ailerons and servo
 - 8) Install flying wires onto wings.
 - 9) Install landing gear
 - 10) Install engine
 - 11) Install cockpit, pilot and canopy
 - 12) Install fuel system
 - 13) Perform CG
 - 14) Install gas, charge batteries, perform radio check and go fly
-