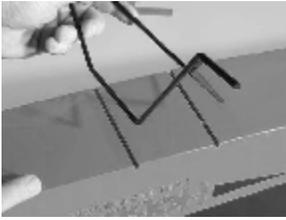
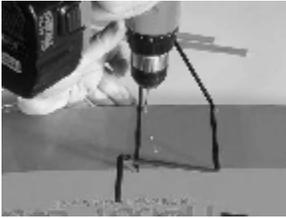


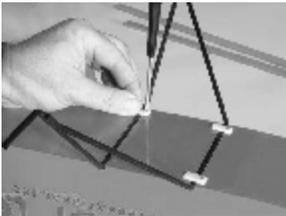
LANDING GEAR



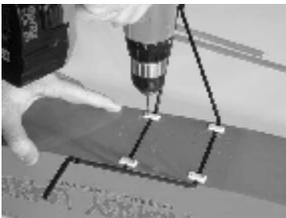
1. Fit landing gear into slots on bottom of fuselage.



2. Use straps and pen to mark holes for rear holes only. Then drill (4) pilot holes thru bottom of fuselage.



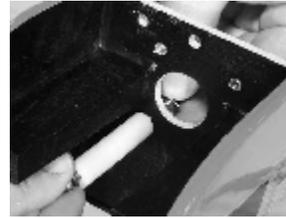
3. Temporarily install straps with four of the eight screws.



4. Drill the remaining four pilot holes and install screws. Tighten ALL eight screws now.



4. Use channel-lock pliers to press blind nuts into position (note: drilled hole should be slightly smaller than shaft of blind nut for tight fit).



[Alternate method] Tighten screws with two 1" spacers to "pull" blind nuts into firewall.



5. Install two 1" spacers with 3" screw into top left engine mount hole. Mark the forward end of the spacers. Repeat on the top right side.



6. Rest motor on mounts. Mark approximately 1/4" wider than engine on both sides with pen.

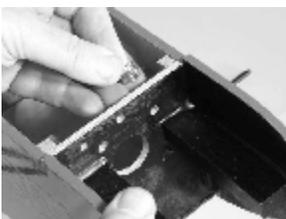
MOTOR & SPEED CONTROL



1. Hold the motor mount back plate in place (note: rotate mount till it looks like an "x") and mark the screw locations with "ultra-fine sharpie" marker.



2. Drill holes for blind nuts at the four corners of engine mount marks.



3. Install blind nuts from behind the firewall.



7. Cut along marks for engine clearance.



8. When finished, it should look like this.



9. Install supplied engine shaft collar and tighten with hex key.



10. Install engine mount plate with supplied flat-head screws.



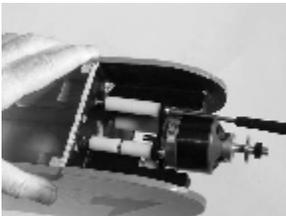
11. Install prop shaft adapter with supplied allen-head screws.



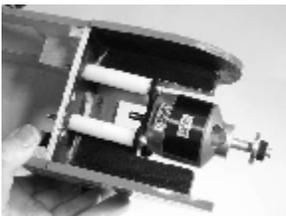
12. Solder all connectors for motor, speed control, battery, and BEC. (Note: use instructions supplied with each item. Look how this particular BEC is wired into speed control at battery connector.)



13. Install motor to firewall using two 1" nylon spacers and 3" SS screws and washers.



14. Loosely start each screw then tighten all four.



15. This picture shows completed motor installed perpendicular to firewall.



16. Drill four holes in lower firewall for tie wraps to go through for speed control (shown upside down).



17. Install speed control on front-bottom of firewall (shown upside down)



18. Install prop and spinner.

INSTALLING THE TAIL



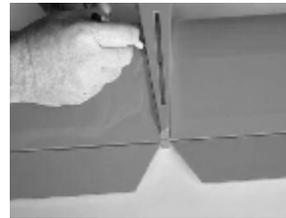
1. Cut covering and iron edges into slot.



2. Cut and remove the elevator spacer at rear of fuselage.



3. Remove both elevator and rudder building spacers.



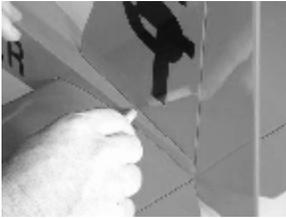
4. Make sure elevator is centered on fuselage.



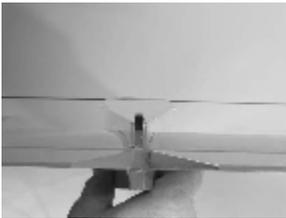
6. Mark position of tail by drawing along all four corners. (Note: be careful not to move tail during this step, as these lines will be useful when glues tail to fuselage)



7. Remove covering inside lines. **DO NOT CUT** into wood during this step. Use new blade and cut at angle while pulling covering upward.



8. Dry fit rudder and mark areas to remove covering for gluing.



9. Install horizontal stabilizer and check for level. Notice yardstick resting across wing saddle. Make sure they are parallel!



10. Install vertical stabilizer into slot and check for 90° angle to horizontal.



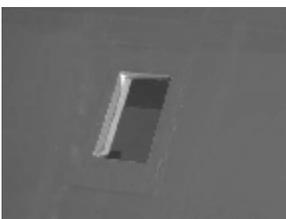
11. Remove and reinstall using 5-minute epoxy. **VERY IMPORTANT!** Check and recheck alignments (elevator tips to firewall center, elevator level, and 90° horizontal to vertical). Use tape or other methods to assure alignment

till glue dries.

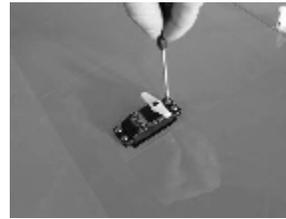
WING & AILERONS



1. Cut holes for aileron servos in an "x" pattern.



2. Use covering iron to seal edges.



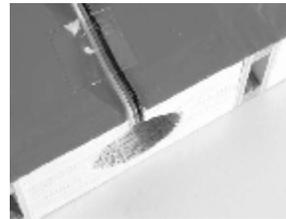
3. Install aileron servos with servo extensions..



4. Install aileron horns so that pushrod is 90° to hinge line.



5. Install plastic pushrod connectors on servo end. Repeat for other side.

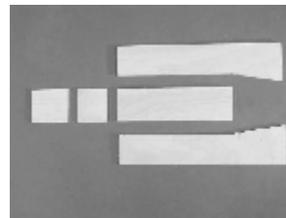


6. Cut notch into the bottom of the wing ribs for servo wires. Feed aileron extension cord thru wing and temporarily tape to bottom of wing.

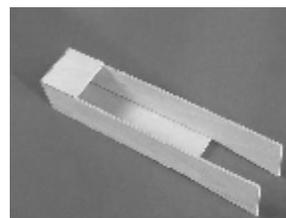


7. Slide both spars into wing and join wings together. **DO NOT GLUE**, as this would prevent disassembly for transportation!

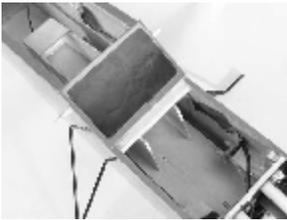
FUSELAGE, RADIO, & BATTERY



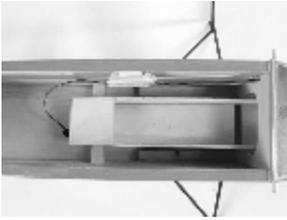
1. Locate parts for battery box.



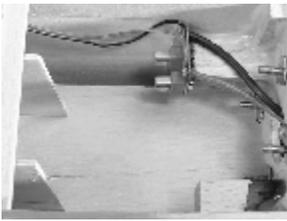
2. Construct box to look like this using epoxy or CA glue.



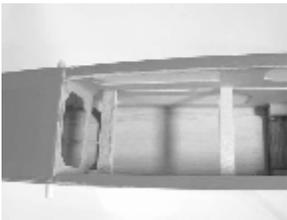
3. Install fuel tank floor before installing battery box. Box will integrate into floor. Trial fit before gluing into place.



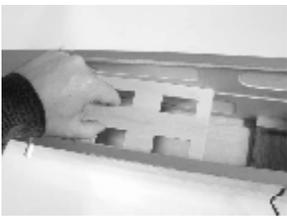
4. Install support brace and battery box into fuselage and glue into place.



5. Another photo of nose compartment. (Motor is to the right in photo)



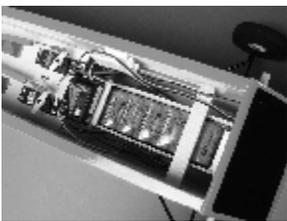
6. Install cross beams with epoxy. Front of servo tray will glue to top of battery box.



7. Glue in servo tray with epoxy.



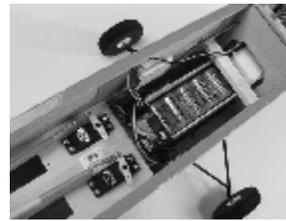
8. Install servos in forward holes and install pushrods as shown.



9. Completed installation.



10. Install pushrods and horns as shown in photo.



11. Photo showing radio, battery, BEC, and speed control arming switch locations.



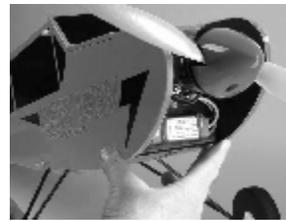
12. Installation of battery and front hatch. Note the two circles in front of windshield; those are strong hatch magnets to hold hatch closed.



13. Battery is held in by Velcro strap. Cut two 1 1/2" strips of Velcro "hook" and stick/CA to each side of box. Cut 7" Velcro "loop" for strap.



14. Remove covering and glue vertical strake in place. Check to make sure it is straight and centered.

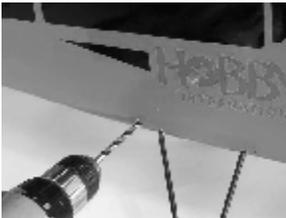


15. Front view showing finished fuselage. NOTE: Jeti Speed control in cooling air with label facing forward!

FUNCTIONAL WING STRUTS



1. Mark hole at 7/8" behind rear landing gear strut.



2. Drill hole for insert. Drill slightly under sized to assure snug fit.



3. Locate both strut to fuselage mounts. Cover end with tape to keep epoxy from threads.



4. Glue mounts into fuselage with 5-minute epoxy.



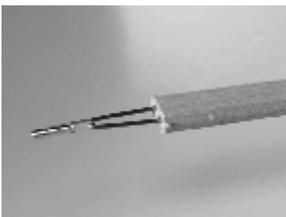
5. Make sure pin is vertical.



6. Locate these parts.(or fabricate these parts from 1/16" music wire and brass tubing.)



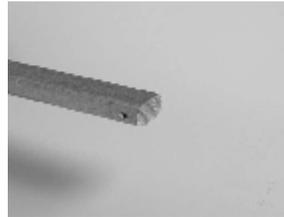
7. Drill two holes in top of strut.



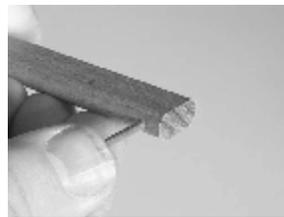
8. Test fit parts as pictured above.



9. Glue flush into top of each strut.



10. Drill 1/8" hole across bottom of strut.



11. Insert tubing bushing into hole.



12. Cut notch into center of strut as shown above.



13. Install pin and mark with pencil. Drill 1/16" hole as above for "U-pin" that will lock into wood.

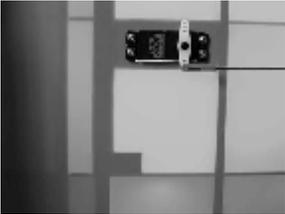


14. Finished bottom strut pin.



15. Each pin will point toward tail of aircraft. Use small rubber bands or tape to safety into position.

Assembly Notes:

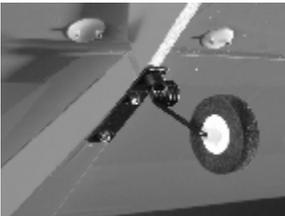


16. Locate hard point for strut by shining a light through the wing. Iron covering to hard point well before drilling for strut attachment.

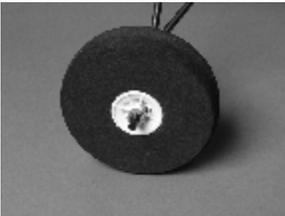


18. Picture of finished wing struts.

TAILWHEEL & WHEELS



1. Install tailwheel as shown.



2. Install main wheels and collars.

CHECK BALANCE & SETUP

Center of gravity location

Forward limit= 5" back from LE of wing

Aft limit= 6-1/4" back from LE of wing

Control surface movement

Ailerons= 1" to 1-1/4" up, 1/2" to 3/4" down

Elevator= 1-1/4" up and down

Rudder= As much as you can get

NOTE: The CG location will seem fairly far aft, this is normal for the Telemaster and is due to the lifting stabilizer. As it is in any plane, the aircraft will become more pitch sensitive as the CG moves to the rear.