

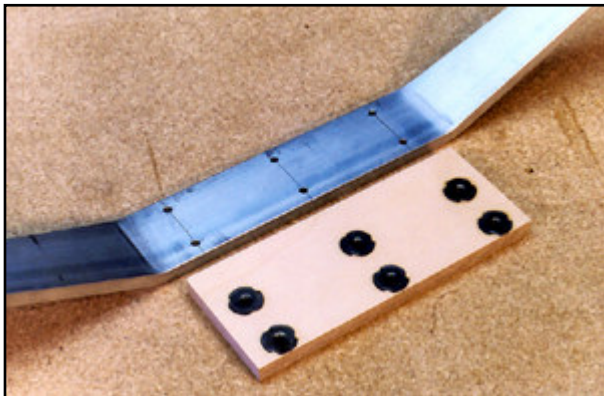
10 FUSELAGE SUBASSEMBLIES

❑ Fuselage bulkhead F-1 requires preparation for engine mounting. Depending on your engine, you may have to build a plywood spacer or engine box onto the front of F-1 to position your prop flange ahead of the fuselage cheeks. Smaller, lighter engines will probably need a thick box to move the engine forward. Large, heavy engines may bolt directly to F-1, which is probably good for balance. The 3W-75i needed to be spaced forward about an inch, and the balance came out good when the prototype was finished. This step overlaps a bit with the previous section - your engine mounting position needs to be planned and F-1 should be prepared as much as possible before it is glued in place.

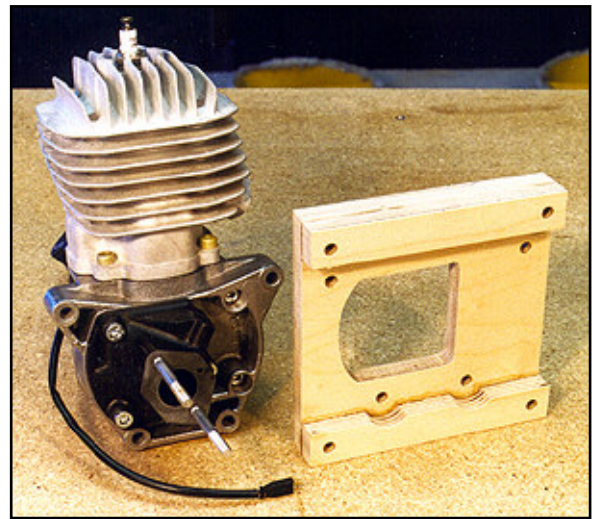
The photos show the 3W-75i installation. If you have a different engine, it will most likely require a custom installation. If you do have a 3W-75 (or 60 or 70, same case) you can contact me for more details on the installation.

❑ Glue F-2D to the front of bulkhead F-2, being careful to line up the beveled edges. When dry, drill the guide holes with a 3/8" drill bit to prepare it for the wing dowels.

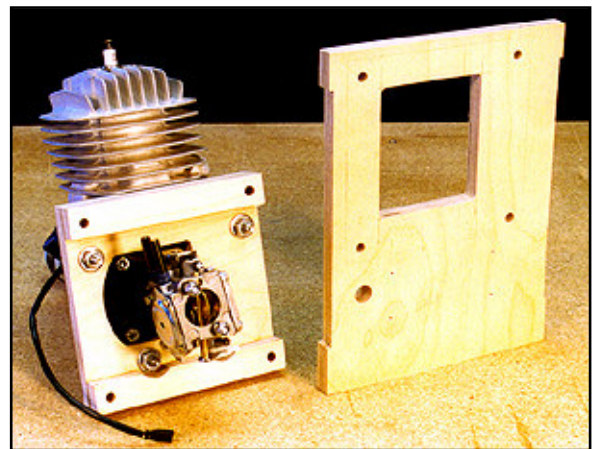
❑ Prepare your landing gear mount. Drill your aluminum landing gear and the 1/2" plywood landing gear mount to accept the hardware of your choice. (If you purchased the optional main wheel kit, your gear should already be drilled). **-SFK**



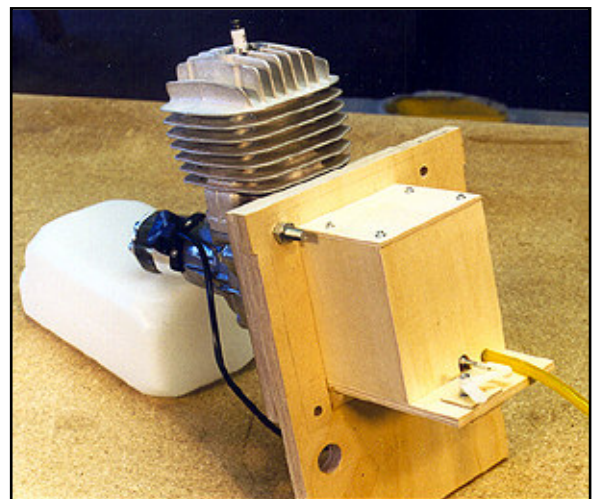
Landing Gear and Mount have been drilled for six 10-32 x 1" mounting bolts. Blind nuts in the mount allow the gear to be removed easily for transport.



Engine Spacer built from 1/2" plywood. Total thickness is one inch. Carb must be installed after engine is bolted to spacer.



F-1 shows carb cutout and four mounting holes for spacer. Bottom hole is for ignition wire.



Carb Box as recommended by Cactus Aviation. Only bottom of carb box is attached to F-1, the top and sides are removable. Bottom of box has large hole for air intake. Bellcrank is linked to choke. Opening still needed for throttle linkage.