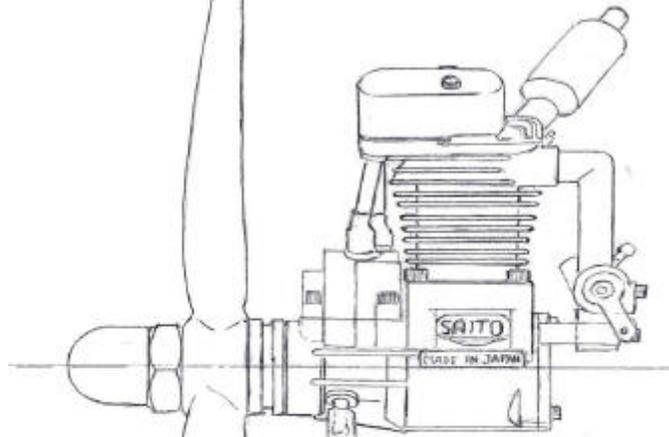
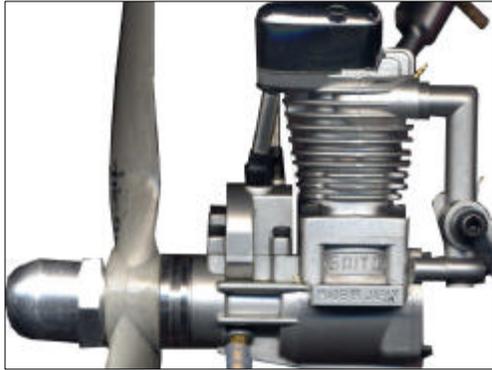


ENGINE DRAWING FOR THE HOME DESIGNER



If you like to design your own airplanes or bash the kits you build like so many of us, you have probably wished for a scale drawing of the engine you plan to use. These are hard to find and difficult to make from scratch.

If you have tried to take a close-up picture of your engine you found that it had that “fish eye “ look as if it was wrapped around a cylinder. The method I’m using is probably not new but I’ve not heard of it before so here goes:



The engine was plopped down on the glass with the side you want to view down. The lid is left up while scanning. This will result in a solid black background which is not a problem if you clean it up before printing with photo editing software.

The resulting image has no fish eye distortion because it is scanned and not seen through a lens. My Epson 2400 PHOTO scanner has an astounding depth of field. It even sees the muffler on the other side of the engine. If your scanner doesn’t have this depth of field this probably

won’t work for you. Knowing the length and height of the engine allowed me to crop the picture closely and size it to the right dimensions.

Once you have a full scale side view of the engine, print it out and trace it. You can scan the full size drawing back in to your computer and print a copy full, half or quarter full size depending on the size drawing you want to make. I cut out the engine view and glue it on my drawing paper so the centerline matches the drawing. Now you know exactly where everything is. **Bob Gilbert**

