

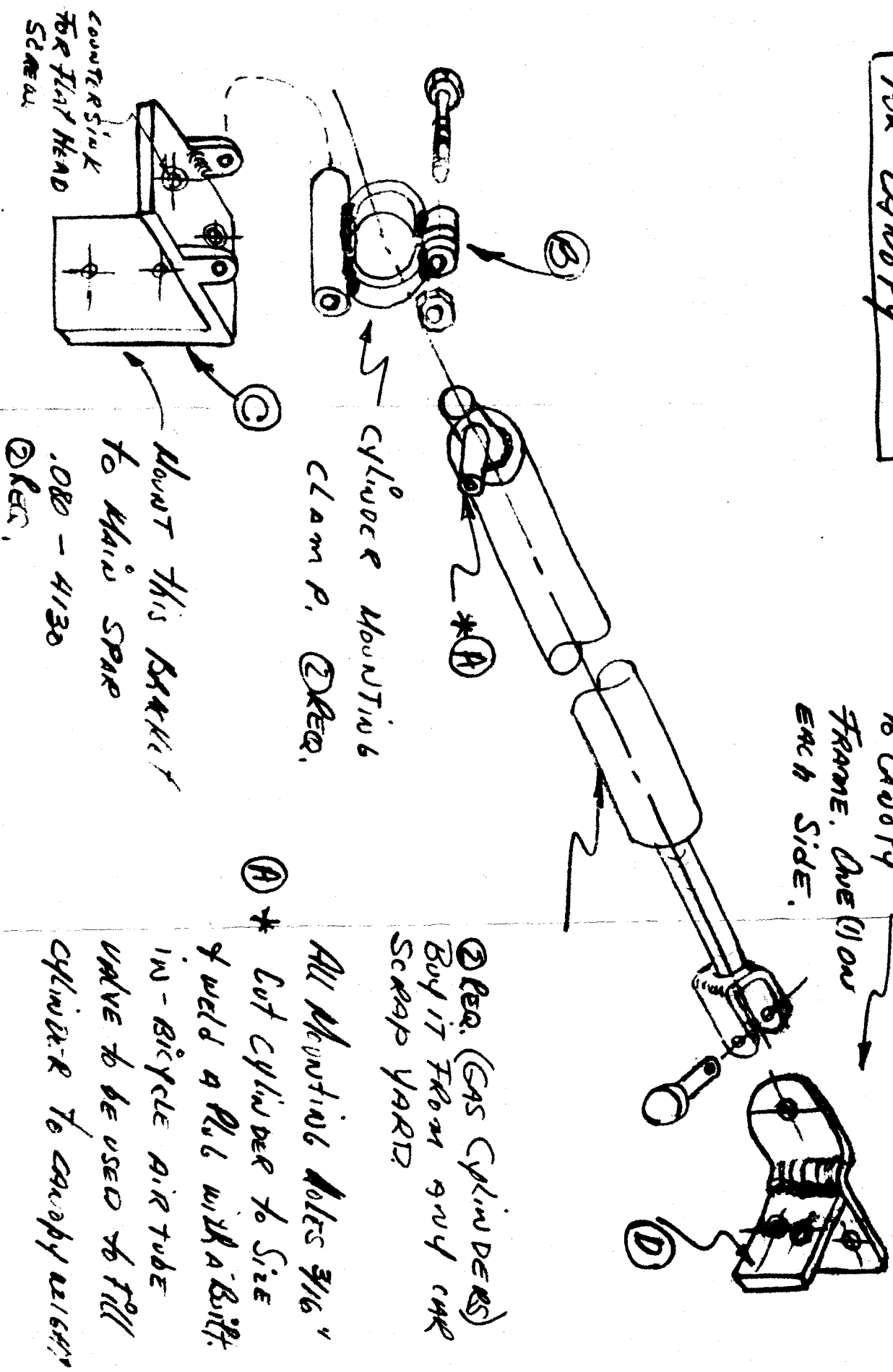
LIFTING CYLINDER FOR CANOPY

When I sat in Carl McCain's Osprey in 1980, it became obvious to me that the weight of the canopy was something I had to think about. To help me out, I used two gas cylinders from a car hatch back door. First of all, you will have to drill a small hole in the bottom of the cylinder and machine a plug to be welded in replacement. This plug has to be drilled and threaded to receive a bicycle tube air valve. This valve will be used to set the cylinders at the right pressure to compensate for the canopy weight.

The clamp (B) is designed so you can adjust the position of the cylinder. Don't tighten it too much, it will freeze the action of the piston. The mounting bracket (D) is screwed to each side of the canopy frame at the bottom of it.

The spar mounting brackets (C) has to be screwed to the main center section with flat head wood screws. It's so close to the cabin sides, you will hardly notice these.

Lifting Cylinders for Caddy



BRACKET to be fixed
to CADDY
FRAME. One (1) on
each side.

② Req.
4130 - .063"

② Req. (GAS CYLINDERS)
Buy it from any car
scrap yard.

All mounting holes $\frac{1}{16}$ "
① * Cut cylinder to size
& weld a plug with a bit.
in - bicycle air tube
valve to be used to fill
cylinder to caddy with

Mount this bracket
to main spar

.080 - 4130
② Req.

counter sink
for flat head
screws

Cylinder mounting
clamp. ② Req.

① * Cut cylinder to size