

LIFTING CYLINDER FOR CANOPY

DEDICATED CANADIAN BUILDERS

When I sat in Carl McCain's Osprey in 19-80, 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.

(SEE DRAWINGS on reverse of this page)

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WANTED!!

Cash in on your Osprey building talents. Put my nearly completed Osprey in the air. Cover right wing; glass nose and bottom; wt. & balance. Prefer experienced builder, anywhere. Call 214-484-0513. Ask for Mike Brundage. (Dallas, Texas)

Fellow Builders:

On January 1, 1982 two Osprey 2's were started in hopes of being ready for summer or fall of 1983. Great expectations—we have fuselage completed, wing spars installed in one, under carriage complete, all controls and hardware built and installed in one, etc.

Have enjoyed Newsletter and have incorporated many modifications as they come up at the right time during construction. When your next Newsletter comes along we will be on year number two and drawing #32, Any bets on completion date?

We have designed a modification to the landing gear Axle Sockets which has a self centering bearing at front and rear spar and provides a smooth operation without being extremely critical on alignment. The gas spring works well.

We are dedicated Ospreyites and spend 4 nights 6:30 to 10:00 as well as Saturday and Sunday & Holidays with the toys. So any of you who are married as I am would agree that the wife has to be commended for her dedication also, even if she "don't like airplanes", so hello dear.

Anyone wanting mod to gear axle sockets write and I will send drawing (very simple).

Also, I enclose money order of \$10.00 US for 1983 as I can't remember if I have already sent or not, so since this newsletter is of such importance and help here is another and just keep it if it is a duplication for renewal.

Must go, time is wasting.

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