

I am submitting here a design for the rear engine mount attachment for a O320 Lycoming engine with dynafocal mounts.

These engines have a different alternator mount than the straight mount engines and the motor casing has added mounting platforms cast into it. Therefore, the mount attachment as shown on the original drawings does not fit. I sent one copy of the drawings to George for his approval. The weight of this mount is approximately the same as the original one (which I made first before I bought my engine).

There are a few notes:

(A) This part mounts under the starter plate so that the starter plate has to be milled down by 1/8".

(B) Drill holes after your engine is in your possession to determine exactly where to drill. The bend in the "top plate" is there only to make welding easier.

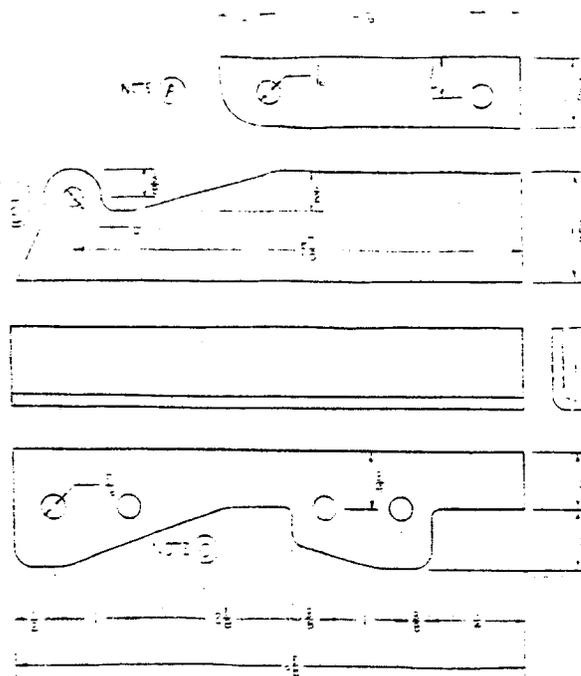
(C) Polish all corners

(D) The bracket that attaches to the upright of the motor mount has its holes at the same distance from the base plate (O) instead of 7/8" and 1 1/8" as on the original drawings. Otherwise, follow the instructions as on the original drawing. When assembling the pieces, tack them together on the engine casing and complete the welding after taking it off the casing. There tends to be a little deformation of the angles when the final welding is done, so check regularly during welding if the angles are still correct. Weld all seams on both sides except the starter plate, which is only welded on the engine side not on the starter side, in order to accommodate the starter.

I hope this will be of some help to others.

Yours truly,

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ALL PIECES ARE STEEL - 1/8" THICKNESS

REAR ENGINE MOUNT ATTACHMENT  
FOR LYCOMING O-320 WITH DYNAFOCAL MOUNT

