

Cutlass bearing puller



Forward plate consists of 4 half-moon shape plates
 $4 \frac{1}{2}'' \times \frac{1}{2}''$ with $\frac{1}{2}''$ holes drilled evenly around.
Radius of center should be $\pm 1'' \& \frac{1}{16}$
(Pictures not to scale)



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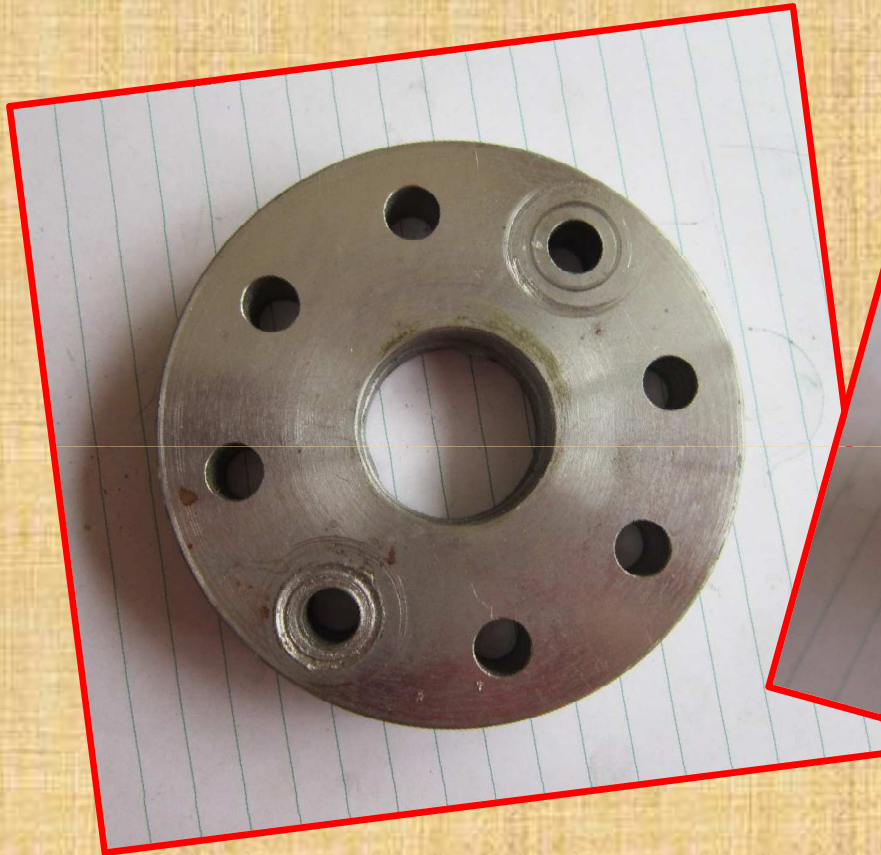
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Assemble the 4 plates around shaft, as pictured. Use 4 bolts and tighten being careful that plate is able to slide easily on shaft.

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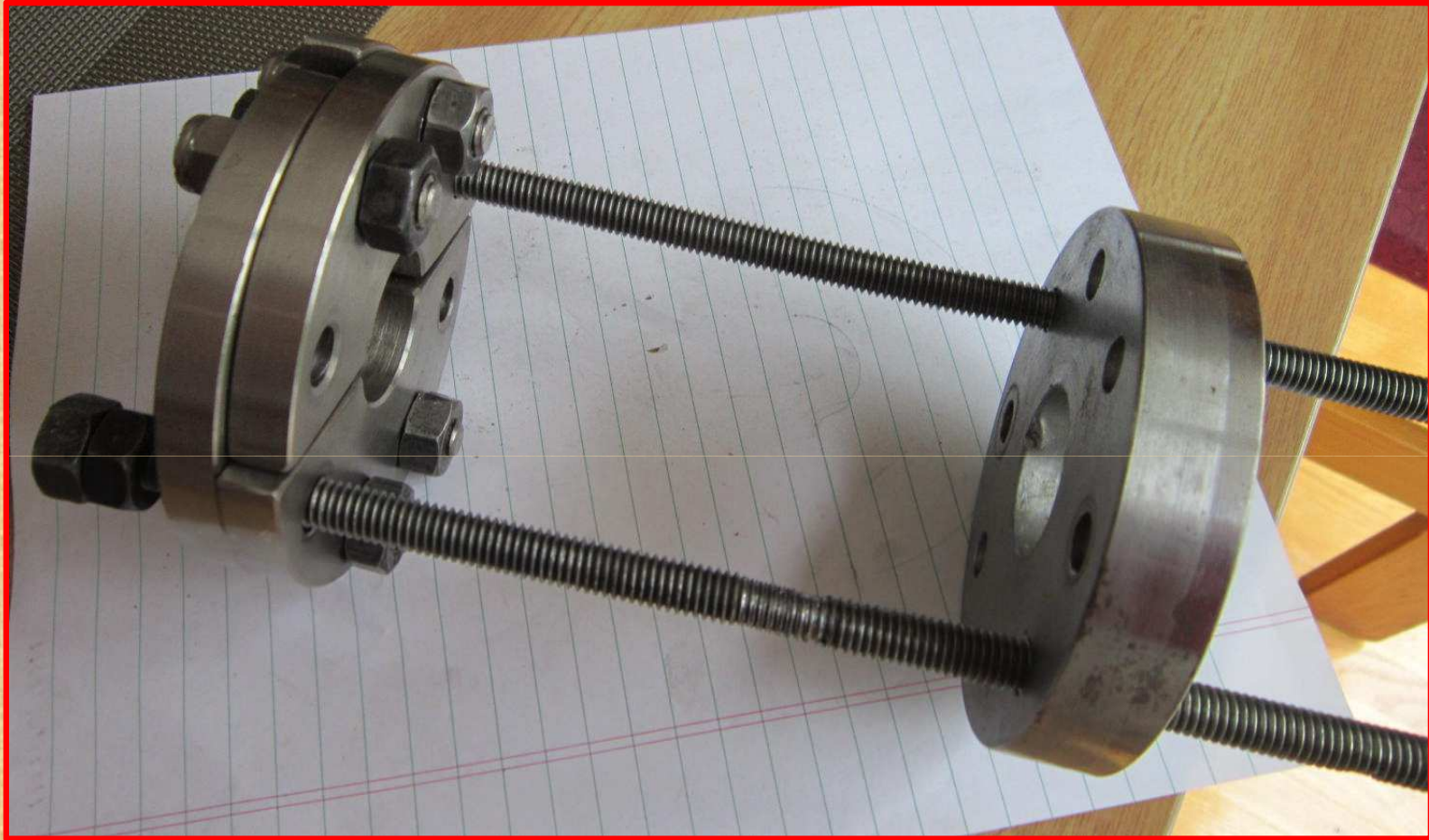
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Aft plate is same size at 4 ½" O.D. with holes positioned in same alignment as forward plate. Hole diameter is 1" 5/16

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This is what it will look like once assembled.

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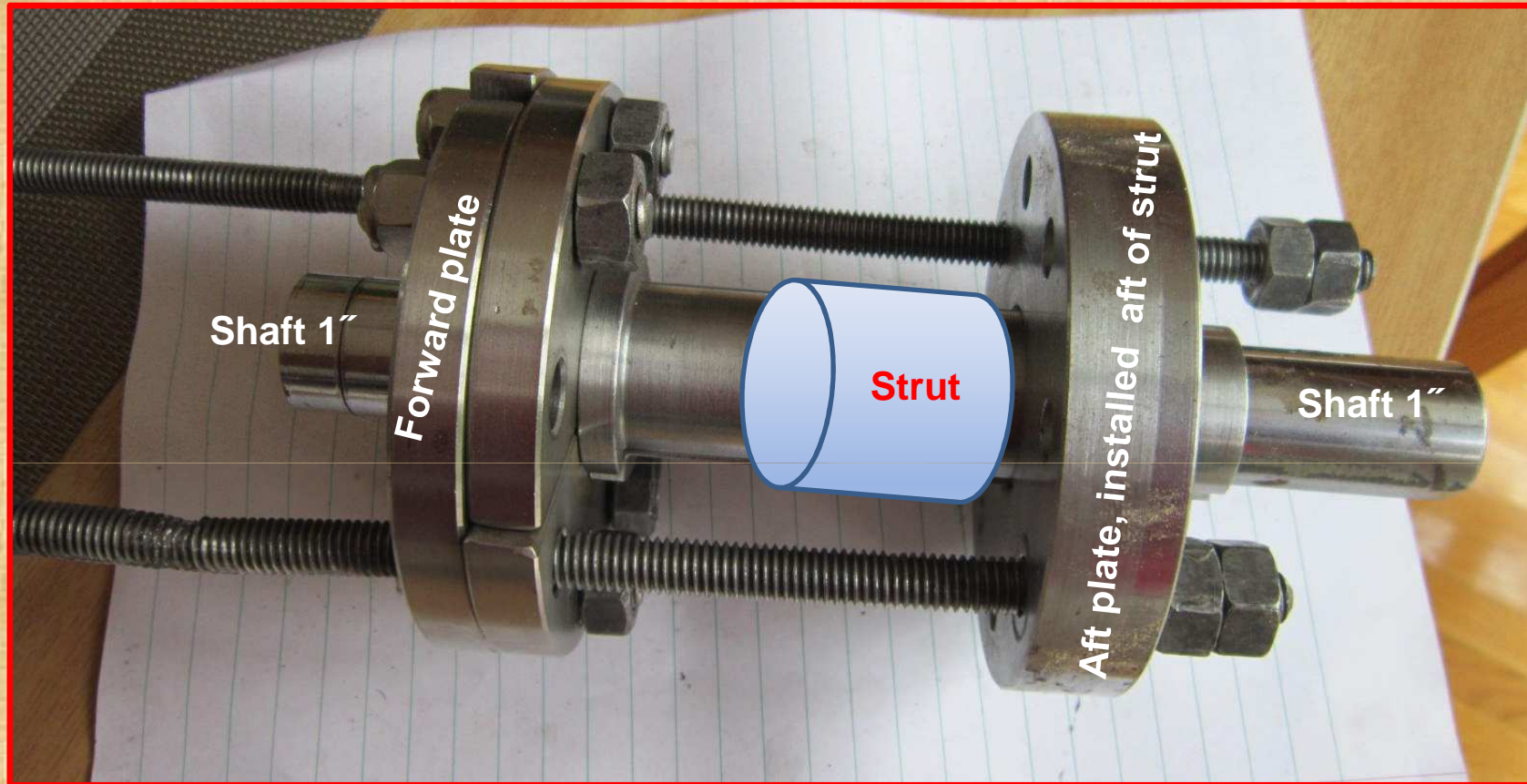
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Pusher is a piece of 4 ½ " long heavy wall SS pipe machined down to have 1" 3/16 O.D. and 1" 1/16 I.D. and then slit lengthwise to form 2 pieces .
Flange is ¼ " thick X 1 ½ " O.D.
I use a short piece of electrical tape to hold the 2 pieces on the shaft forward of the strut until pusher has started being inserted into the strut.



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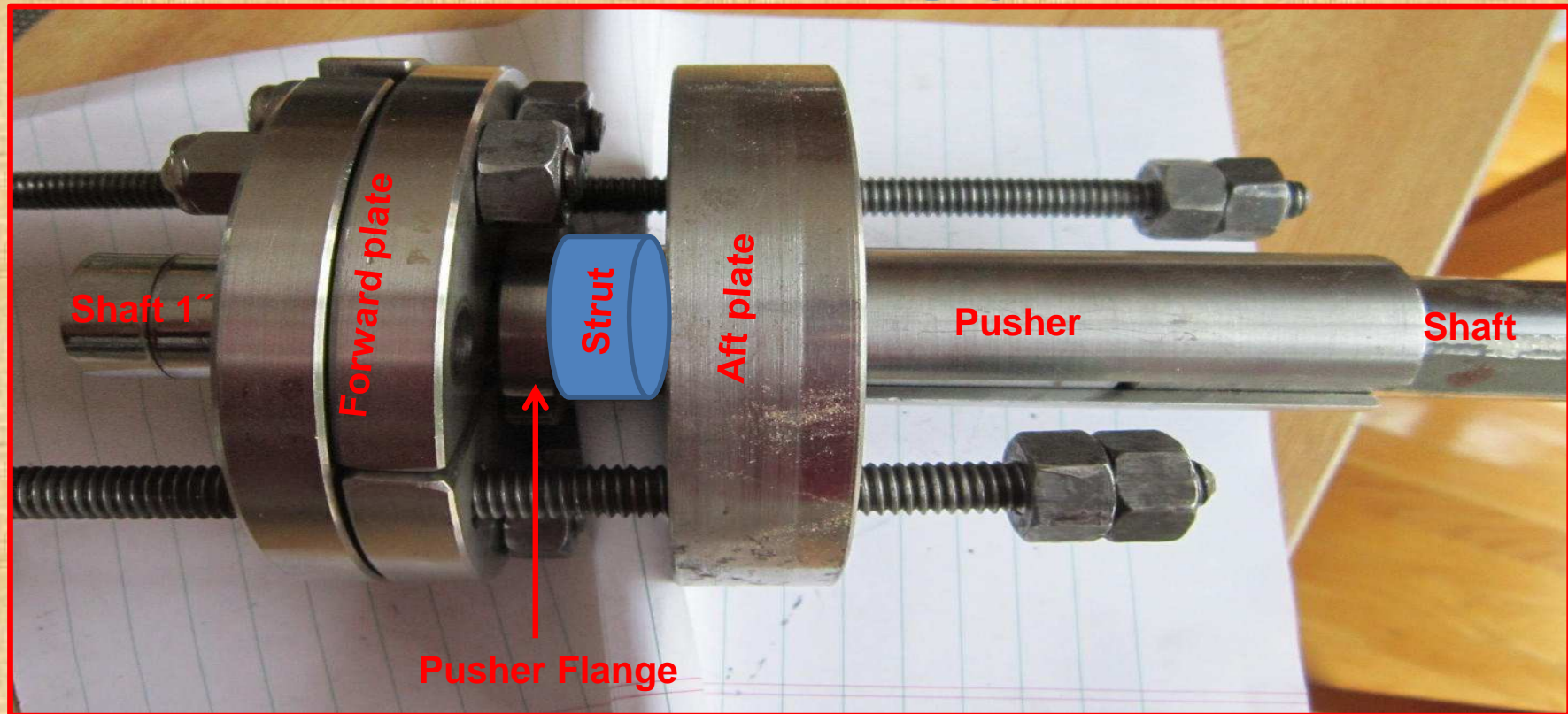
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The strut dwg is only there to indicate position of plates and threaded rods. Obviously the pusher needs to go inside the strut to push the bearing out over the shaft aft of the aft plate. Threaded rods shown here need to be replaced.

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Obviously not to scale. To remove cutlass bearing, 1st, remove set screws on strut. 2nd, manually bring forward plate aft, pushing pusher against cutlass bearing. 3rd, tighten nuts behind aft plate alternately, and evenly, until cutlass bearing comes out completely. Light lubrication on pusher outside wall might help.

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