

J2 TECHNICAL ARTICLE

Number 95

From Octagon Heaven

March 30, 1982

THE DRAUGHT EXCLUDER PLATE (FITS OVER BELL HOUSING)

If you need a replace your draughts excluder plate, one supplier has them in stock at E18.50 (that is about \$37.00 at a 1:2 conversion) or you can make your own.

I gauged my old rusty, bent one and find it was about 14 gauge. The cost of making a replacement myself was \$2.00 for a piece of sheet metal, one saw blade for my saber saw, and about 3 hours of work. It has been long ago agreed that the bulk head was galvanized.

I used my old one for a pattereden. When I finished, I decided to lay out the piece and put down the dimensions for anyone who needs one and does not have an old original to use for a pattern. The attached drawings were done in three sections rather than one for ease of reading the drawings. I laid it out full size on a 17 x 22 inch piece of paper.

All you need for tools are a scratch awl, a rafter square, a large compass with scriber (nail, string & awl will work), a center punch, a saber saw with hack saw blade (or two), and a drill with 3/8 bit.

There are six key centers for the curves. They are laid out on drawing number one. Four of the six will be cut away later in scrap.

After locating the center points, scribe the draught excluder using the centers and radius as shown on number 2. At this time you could take the saber saw and cut it out except you need to locate the 8 bolt holes which are shown on drawing number 3. Here is where my lay out was not so sure of myself. I had no trouble using the old pattern but I did have troble getting all angles to add up to 360°.

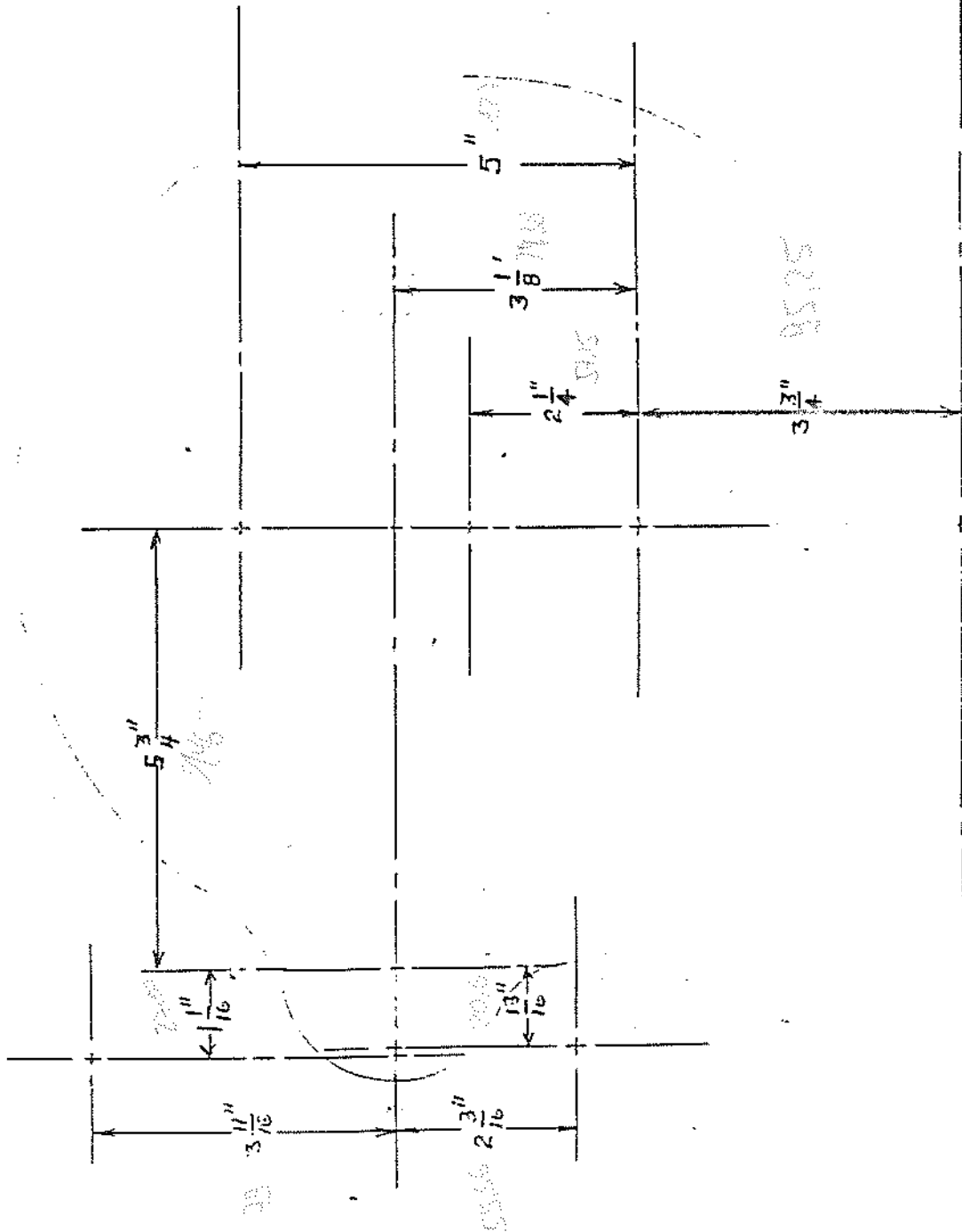
I would suggest that you cut out the piece after marking the holes and fit it to the bell housing of the flywheel and then using the holes of the bell housing as a pattern, drill the holes. If you do it that way, drawing number 3 is not needed and you have fitted the piece to your bell housing.

Oh, the corner tabs are bent at a 90° angle to the rear of the car and a local sheet metal shop with a sheet metal brake will be happy to help you here. 14 gauge steel does not bend easy so don't try to bend the little tab yourself.

If you want, I will send you my original for a pattern.

DRAWING NO.1 DRAUGHT EXCLUDER

TOP
(looking from driver's side)



Drawing 3

Note: suggest you use bell housing as pattern for drilling holes instead of this layout.

