

Let's drill the holes for the elbow... I made index marks to guide me so the holes would be well below the traces in the top layer of the cap, and above the bottom lip. I basically measured  $\frac{1}{4}$ " above the lip with a caliper and scribed a line for reference. You have a little leeway for distance between the tips of the vacuum connector, so as long as the height is right for the hole(s), you're fine:



Holes drilled:



Elbow inserted for test fit; next, more Permatex:



It doesn't have to be pretty, it just has to seal well:



I laid some Permatex around the holes inside, being careful to keep the tubes clear on the sides (see next picture after this one):



This connector will be attached to the vacuum/intake side of the venting system. The holes draw air very well from the sides:



Last, we need to go back to the isolator and cut small notches for the legs of the elbow. The thin lip around the isolator overlaps **outside** the ring around the points and therefore must be notched to accommodate the elbow we just installed. Let the elbow dry in place before doing this part:



I laid the isolator on the cap and used a pencil to mark the areas I needed to notch. I used a Dremel to make the notches, leaving a little ridge on the bottom. I didn't want to go all the way down to the level of the seal. You can see horizontal lines on either side of the shaded areas as markers not to go below.

Here it is, notched and ready:





Cap & rotor together:



When installing the cap & rotor to the distributor body, a lot of folks have noted it's a good idea to lay a bead of RTV along the top seams between distributor body and isolator, and even a little bit between isolator and cap. Be careful and use your best judgement.

MSD made an extra hole and clamp block on their cap & rotor (part #8481), but we don't have that luxury in this situation. You may have an idea or two of how to emulate that feature and improve the setup. Best of luck to you... I had a lot of fun with this prototype.