

Breather PCV Mod

<http://forums.vwvortex.com/zerthread?id=1070868>

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Just the other week my "PCV" hose finally cracked where it attaches to the motor. From what I've read in my searches they all go this same way, the plastic hose on the "PCV" (we'll call it that but it's just a separator) shrinks and cracks from engine heat and breaks away from it. It's not repairable and the best price I could find for the intake air tube assy was \$95 at Impex.

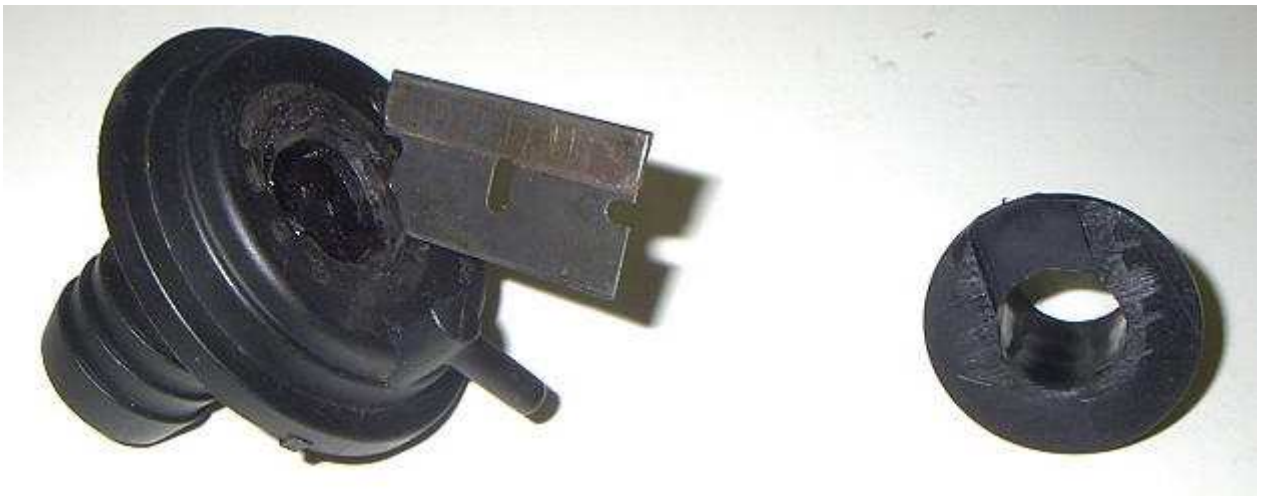
I read all about catch cans and air compressor filters etc but I didn't want any of those. I wanted it back like it was! I messed around with it several times last week with no success and was considering giving up the \$95 for a new one. Finally I came up with this. The hose that broke off the pcv is not mounted on a nipple, but rather is crimped and solvent welded into the body of the pcv. Therein lies the problem, there's no hose nipple to connect to. So I decided to make one. I went to Pep Boys and bought a pcv elbow on a HELP card. Here's the part and the patient.



A better view of the elbow shows the part I want to use pointing down. I'll cut just above the flange and that will give me a great gluing surface. A little hacksaw work gives me this.



I cleaned the outside of the pcv with brake cleaner, but that wasn't good enough. So I used a razor blade to trim out the rest of the hose material that kept seeping oil. I then washed the area with acetone and roughed it up with a file. I sanded the rough cut edge of the nipple and roughed it up some. You can see a shallow area that will just have to be filled with the epoxy. Here they are ready to glue.



I mixed up a little JB Weld and glued it together. Here's the result.



Problem- since there was no nipple on the pcv, it could fit up against the nipple on the motor. There is no room for the nipple I am adding, so the flex hose between the pcv and the heater will have to flex to allow for it. But this nipple is too long, so I cut off the first barb. Just enough there now to retain a hose clamp. 🙌



Time to put it together! I used a piece of old heater hose for now, tomorrow I'll go get a piece of PCV/fuel hose so it'll last. There's a little strain in the flex hose, but some exhaust heat will help it to get used to it. I'm pretty happy about saving \$90!! 🧡

