

My Elephant Hose Mod - by Chirpz

(c) Tom Croley Ok to repost or link. June 2011

I have a 2007 Grand Cherokee with 3.0L CRD - with 54,000 miles presently. I am making this Mod because oil from the CCV dripped onto my Swirl Motor and ruined the motor resulting in a tedious repair. This sure cure that problem.

I'm such a dummy that I could not figure out why they call this an "Elephant Hose." I read and re-read comments and instructions by CRD Dawg, and Tuco. Finally it dawned on me. Its a big hose that hangs down like an Elephant trunk.... Elephant Hose.... Duh! I get it.

Here are some step by step directions that may help you. Do this at your own risk. I can not guarantee that what I have done is good for your engine or not. I recommend reading everything that CRD Dawg and others have had to say about the Elephant Hose Mod.

Parts List

I obtained all of my parts at local stores.

From NAPA:

1 - 5' length of 1" silicone hose. (\$17.50) per foot. (You could use heater hose for a lot less but I chose not too.) Cut off 5".

5 - 1-1.5" Hose clamps, the plain screw type.

Plastic wire ties of various length.



From ACE HARDWARE

1 - Polyethylene 90 degree elbow. (take a 5" length of hose with you to make sure it fits. You will need the 5" piece later.)

1 - 1-1 1/8" rubber expansion plug (this is a rubber plug that has a bolt through it. When you tighten the bolt, the plug gets fatter. I got this idea from CRD Dawg.)

Since I ran my hose a different route than others have, I did not need extra elbows.

Remove the plastic air intake pipe

Loosen Clamps
and gently pull
off the pipe.

Take a look at
all the gunk that
is in your turbo
intake and in
the intake pipe.
That is why you want
to do this Mod.

Be careful to keep
your turbo clean and
don't let any trash
get in there.

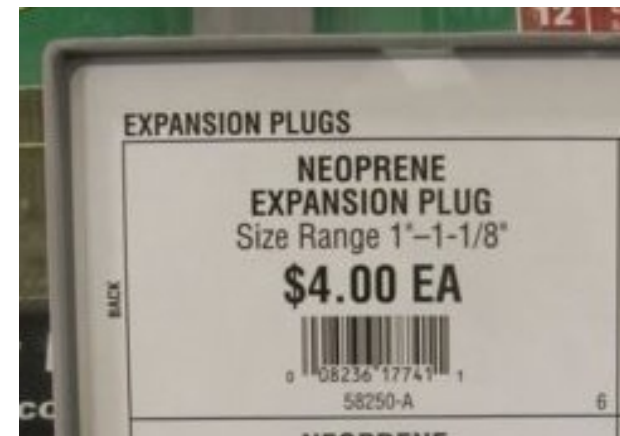




Insert the expansion plug into the hole that is in the air intake pipe where the CCV hose used to attach. Tighten the bolt until the plug is very snug. Do this while the intake pipe is removed from the car because you will have to hold the opposite side of the bolt with pliers in order to tighten the nut.

Clean up the intake pipe and the turbo intake while you are at it.

You will want to check this plug at every oil change to make sure that it is not wiggling out. If it every fell out it would be very bad for your turbo and engine since it would allow unfiltered air into the system.



Remove this foam cheek cover, it just pulls off. Don't tear it.

Turbo intake



Remove the CCV (crank case ventilator) Hose

Unplug the electrical thingy that is mounted in the hose. Also remove the small orange gasket that is on the thingy and remove the thingy itself.

You will attach your new hose HERE



Use your 5 inch piece of hose and attach it HERE. Use hose clamp.





Attach the electrical thingy to the 5" piece and snug it with a hose clamp. Plug the wire back into it.

I took this photo after completing the project so my connection is not clearly seen. Use your imagination.

Some people think that the electrical thingy is a sensor, others think it is a heater. To ME it is just a "Thingy."



Attach the long piece of hose to the other side of the thingy and secure with a hose clamp.

Run the hose along the passenger side fuel rail and under the engine cover bracket. Since this route does not require any sharp turns, no elbows are needed.

I took this photo after completing the project so my connection is not clearly seen. Use your imagination.

Run the hose down to the left of the radiator. There should be a visible pathway there. Make sure it is not in contact with anything sharp anywhere along its path. I had to rotate a hose clamp slightly to avoid a rub.

Use a plastic wire tie to secure the hose where ever you think it is necessary.



Lay down and view the hose from beneath.

Attach the elbow to the hose and point it toward the rear of the car in the wheel well. Secure with hose clamp and wire tie.

Attach the last foot of hose to the elbow and wire tie it through the suspension arm.

I really do not know if there is an optimum length for the hose.

I don't know if this is the best place to run the hose, but it is the place that I chose.

I bought only 4 feet of silicone hose and then added some heater hose here because Napa didn't have anymore silicone hose.



Replace the foam engine cover cheek. You will have to trim it a little bit to get it to fit around the new hose. Not much. Use scissors. It will NOT get all flaky like some types of foam does.

Replace the air intake hose. Replace the big engine cover.

Smile and have some coffee. Go for a test drive.

