

TJ Write-up for a Hummer cold air intake

Ok, here's my version of the [Hummer](#) cold air intake...I know its been getting more popular and the "unique-ness" of the mod may start taking a hit, but I think it looks great, its functional, and it was cost effective as well. I got the pieces put together over a two week span and then went to town. BTW, this is what I did and I will not take responsibility for anyone not measuring correctly and cutting holes in the wrong spot or causing any other kind of damage to his or her rig. Nor can I speak for the changes of the TJ throughout the years. Mine is finished and I hit a few bumps along the way, but it's sealed up and it appears to be working just fine. So, with that in mind, here's a rough estimate and parts breakdown:

- Hummer intake cap: \$32 shipped (ebay)
- Buick (3.3L V6) airbox: \$10 (u-pull-it yard)
- Plumbing reducer bushing: \$4 (Home Depot)
- Plumbing flange: \$2 (Home Depot)
- Nuts, bolts, and miscellaneous items: \$10 (all stainless hardware from Lowe's)
- Flexible 3" ricer air tube: \$20 (Autozone)
- Paper air filter: \$7 (Autozone)

I opted to use a buick airbox as it has been used previously by fellow jeepers. Not to mention I think it gives it a clean look under the hood. The negatives to this route are you will need to remove the airbox to change all the plugs and you will need to "route" the dipstick when checking your oil and your trans fluid. Oh well, I'll survive. BTW, here's some reading on that mod...

[JU thread 1](#)

[JU thread 2](#)

http://www.jeepfreedom.com/html/airbox_replacement.html

Ok, on to my airbox install; I'll explain what I did and then rapid fire some pics. I removed the old airbox and cut the intake tube. I used a 3" to 2" rubber bushing to connect the intake to the new box. The problem was I needed to whittle down the i.d. of the busing since the [Jeep's](#) intake tube is roughly 2 5/8. After that, I did a test fitting with the box and got some scrap metal for a bracket.



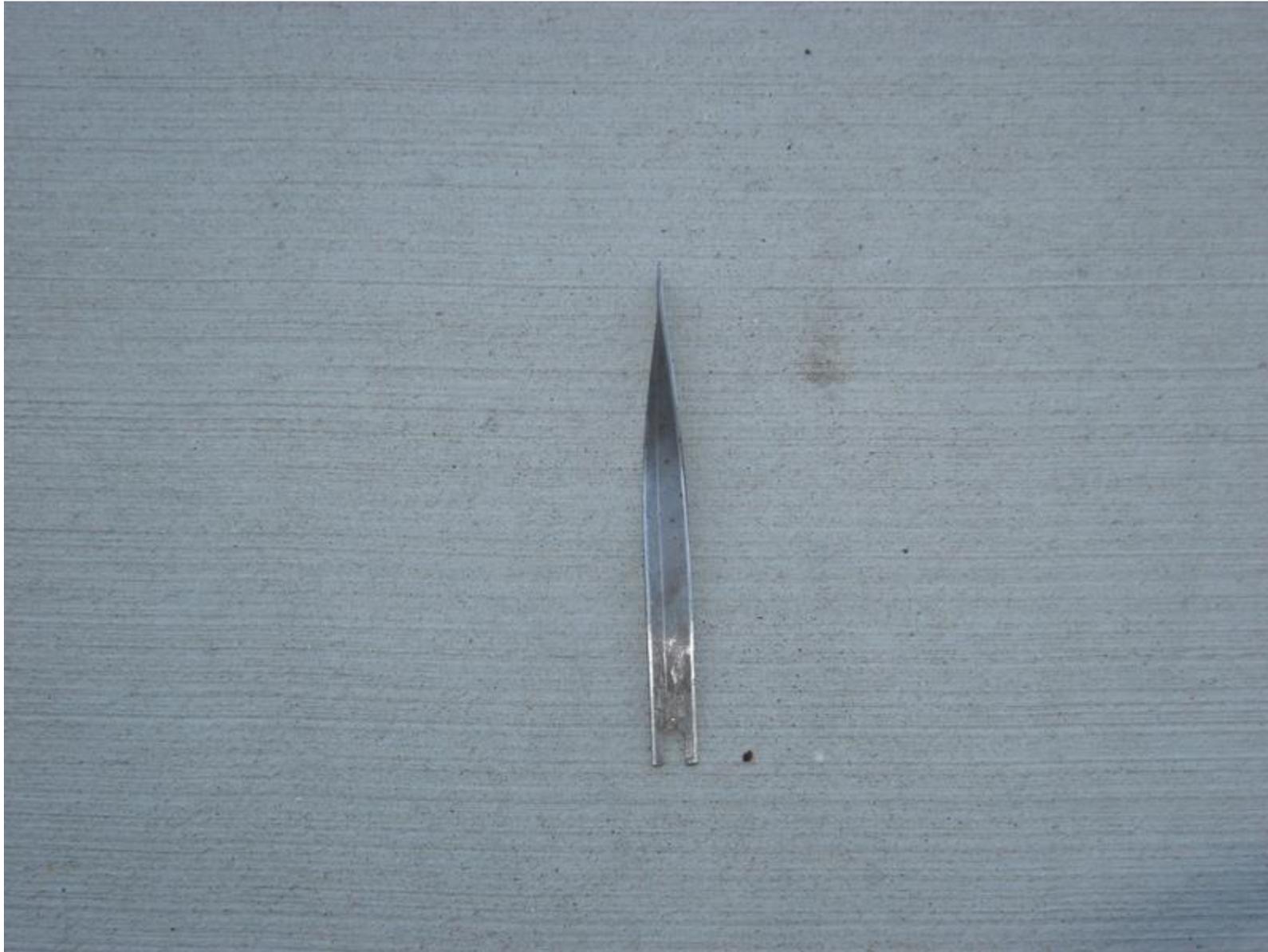








For the bracket I opened up the bottom end and attached that to the motor mount. I twisted and bent it with some pliers so everything would line up.



The next step was cutting through the firewall. I measured twice and cut once. You can see how close I got to the ground! Like

I said, measure TWICE and cut ONCE!





Ok, at this point you can run some flex tubing into the cowl for cooler air and call it a day. If you choose to do so, it will look something like this under the hood.





I wasn't done yet, but this first part concludes the "Buick cold air intake" portion of the write-up.

Alright, so you want to do the Hummer intake...well there are some things in the cowl you will need to take care. WARNING!!!! THIS WILL BE A TIGHT FIT TO GET THE INTAKE TOWARDS THE EDGE. I had to apply some pressure to get the cowl cover attached and screwed in.

Back to the write-up...the A/C/Heater intake is right under the cowl where you need to cut the hole. Now you can just mount the intake closer to the middle, but I think it looks cleaner at the end of the cowl. So you will need to remove this cover and discard it (research tells me that this piece isn't on A/C equipped TJs until 1999) or do something like I did. So here it goes...

This is the pic of the cover. I wasn't going to let that stop me, so I measured a few times and cut a hole in the cowl cover quickly with a 4" hole saw.





I then trimmed up the plumbing flange and test fit that in the cowl cover.





I trimmed up the fresh air intake and then test fit the flex tubing as you can see in this next pic.



I then used the dremel to cut trim the black cover so I could re-install that and keep water out of the A/C/Heater unit. I opted to use it since DC designed it and started using it, there must be a reason. To make my "new" cover, I used some aluminum air

duct (thanks for the idea Dad) to close it up. I riveted that in place and sealed it with silicone so it would stay water tight. In the next three pics you can see how I trimmed the cover, closed it with the air duct and finally how the flex tube sits next to it.







So, I have it all ready to go. I chose to use some nylon spacers, trimmed to account for the bend in the cowl cover, in order to level the plumbing flange. The end of the cowl cover slopes down, so the inside edge needs to be a little further down. I also clearanced the right edge of the flange so the tube would have some space after the bend. To attach the flange to the cowl, I purchased some stainless bolts and 4 stainless acorn nuts. I drilled the holes through the cowl cover, sealed them up with silicone and bolted it all together. Now, to explain myself a bit more, the flange I picked up is 4" O.D. so I needed a small piece of 4" I.D. PVC to connect the Hummer intake cap to the flange. You can see that small section I used in the pic, it's actually [ABS](#) and I decided to leave it black.





In the subsequent pictures, I am just showing the 3" flex tube coming through the flange. I have not added the ABS "collar."





Ok, I will say this again; the cowl cover does not fit as nice anymore. It's pretty cramped in the corner since the cover slopes down and the cowl slopes up. No to mention the flex tube needs to make a 90 degree bend in that area. I was able to press the

cowl in place with just enough force to make me comfortable with the clearance I have. There is no doubt the flex tubing has deformed a bit and the cowl cover is slight bulged at the corner. This isn't noticeable, nor does it concern me. I just want everyone to know that there is not any extra room...in fact, IMO there isn't enough room, but you can make it work with a little effort!

Finally, I trimmed the ABS "collar" to lay flat over the flange and I then drilled a hole through the ABS and the flange, inserted a threaded tee nut from the back and used an allen head screw to prevent anyone from just walking off with it. I haven't yet installed the hose clamp on the intake cap, but I have some time to do that.







Oh, and I measured twice and cut once...check out this clearance (I got a little lucky I think)!

