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Exhaust Tip Size Determination

For Tailpipe 2"-3" OD

This document will help Assured Performance Exhaust Tip buyer determine if exhaust tip(s) will fit on buyer's application.

PLEASE NOTE: There is no data available for vehicle OE tailpipe dimensions; you will simply have to do a little measuring.

Other sellers of exhaust tips have a vehicle data base were you type in your vehicle info. The exhaust tips that they suggest will most likely not be correct for your application.

Those sites show the same exhaust tip for a *Honda Civic*(2.25" Tailpipe) as they do for *Dodge Ram Truck-Diesel* (4" tailpipe)

The only sure way of determining correct tip is to simply measure.

Below are easy to follow basic steps to determine if the tip you desire will work for your application.

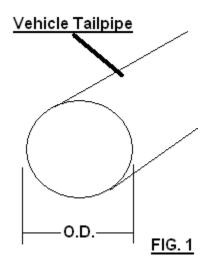
The first item of concern is the tip INLET I.D.(inside diameter).

The INLET I.D. is designed to slide OVER the vehicle tailpipe.

You will need to figure out your tailpipe O.D.(outside diameter). (FIG.1)

Whatever size the tailpipe O.D is, you will need the same INLET I.D. for the exhaust tip. For example, if your tailpipe is 2.25"O.D., you need a tip with a 2.25"I.D. Inlet

To determine tailpipe O.D. measure the distance across the tailpipe, outside wall to outside wall. (FIG 1)



If your tailpipe has the same size O.D. of the exhaust tip INLET I.D., skip to Section 4.

If your tailpipe is larger or smaller than the exhaust tip INLET I.D. you like, NO PROBLEM.

You do have a 2 options for changing the INLET I.D..

Go to the next section (Section 3) for Z-Classic Assured Performance Tips.

1. OPTION: The easiest way is to purchase an Assured Performance T304 Stainless Steel Reducer. We have them for most of the popular tailpipe sizes.

LINK: http://www.assuredautomotiveproducts.com/Reducers-T304-Stainless-Steel c16.htm

2. OPTION: If you are planning on taking your vehicle to an exhaust shop to install your new Exhaust Tip, they can "Swedge" the tip inlet up to ½"larger. "Swedge" is an industry term meaning to "expand diameter of pipe". Exhaust shops "swedge" on a regular basis and will only take a tech a few minutes per tip to "swedge". Remember, you can only *expand* the INLET, you cannot shrink. Keep in mind that if the tip has an INLET ID larger than your tailpipe, the shop could also "Swedge" your tailpipe up to a ½". However, the tailpipe will need to be removed from vehicle then reinstalled. It is usually less expensive to purchase reducers than the labor cost for tailpipe removal and replacement.

NOTE: "Black Powder Assured Performance Tips" cannot be swedged. You will need to use a reducer unless tip is a Black powder Z-Classic Tips. Z-Classic tip can be cut(see Section 3).

Z-Classic 12"-18" Assured Performance Exhaust Tips

If your tailpipe O.D. is 2.25"O.D.(Fig 1) our 12" and 18" Long Z-Classic Exhaust Tips will fit perfectly over your tailpipe.

If your tailpipe is 2"O.D. you will need our T304 Stainless Steel Reducers. You will need reducer Part Number: ACR200225

Reducer Link: http://www.assuredautomotiveproducts.com/Stainless-Steel-Reducer-20ID-225OD-ACR200225.htm

If your tailpipe is <u>larger</u> than 2.25"OD, you can cut the tip on the Inlet taper (Fig 2). Cutting the tip on the taper will create a larger tip Inlet I.D..



How much do I need to cut off? If you put the tips inlet up to your tailpipe, trace around the tailpipe onto the tip. You will then know exactly how much to cut off.

2.8"O.D. is Max. Tailpipe Size for 3"O.D. Z-Classic Tip

3.3"O.D. is Max. Tailpipe Size for 3.5"O.D. Z-Classic Tip

3.6"O.D. is Max. Tailpipe Size for 4"O.D. Z-Classic Tip

The length is the next item of concern. You don't want to purchase a tip to LONG.

Measure to determine the MAXIMUM length exhaust tip your vehicle can handle. How long of tip can you use?? You do not want a tip to long, always a little shorter.

Watch you obstacles like bends in your tailpipe or mufflers.

Section 5

Exhaust Tip OUTLET dimensions need to be taken in consideration. Especially if your vehicle has bumper cut outs.

If your vehicle has bumper cut outs, you will want at least a ¼" of clearance from the outside wall of tip and vehicle skirting.

If your tailpipe is close to a fender or bumper, take tip O.D. in consideration when purchasing.

If you still have any questions or concerns about which tip will work for you, feel free to email <u>ac-company@msn.com</u> or call us. (602)617-5331.

Our friendly staff would be happy to answer any of your questions.

