

Part # 1408450 w/stainless steel angle cut tips

Kit fits '88-'93 full-size GM 1/2 & 3/4 ton pickup, 2WD & 4WD, all wheel bases, w/350 c.i. motor only and 3" exhaust at the converter.

Heartthrob Exhaust--Litchfield, MN www.heartthroboxhaust.com

DANGER WARNING: Should the purchaser decide to install this exhaust product at home, be warned that pleasure car or light duty truck/van "bumper" jacks are intended for emergency use only. The use of frame contact jack stands in conjunction with a floor jack as main support is highly recommended to minimize accidental dropping of a vehicle while the installation proceeds.

Limitation of liability--Disclaimers: The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties.

The manufacturer makes no warranties of merchantability, of fitness for a particular purpose, or that its products are approved for general use, or that its products comply with laws, regulations or ordinances in the states where they may be sold to the ultimate purchaser, the consumer.

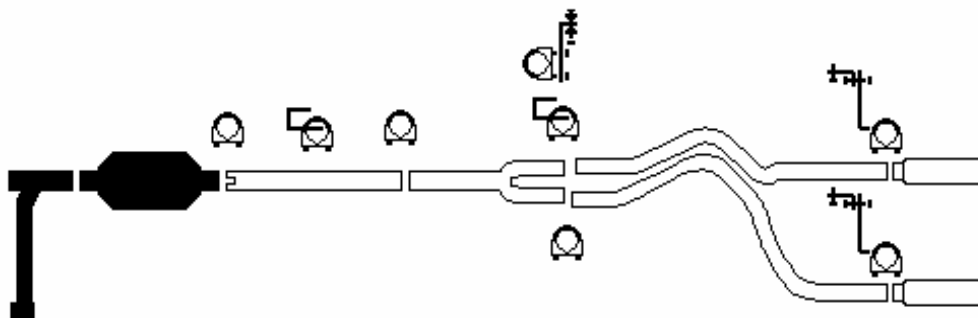
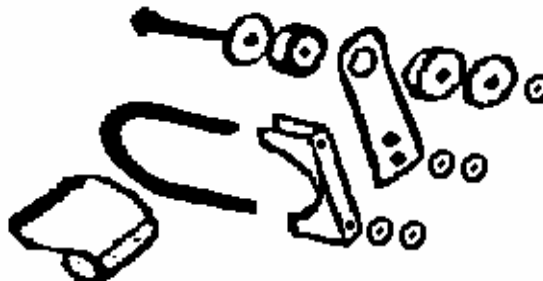
The entire risk as to the conformity of this product in any such state and as to repair, should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer of such product and it is not upon the seller, distributor, or manufacturer.

In this connection, retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, and or repair.

The foregoing statement limits the liability of the manufacturer.

HARDWARE KIT:

- | | | |
|--------------------------------------|--------------------------------------|---|
| 6) 5/16" nuts | 2) BR1 (BR755) metal hanger brackets | 2) 5/16" x 1-1/2" bolts stainless steel |
| 6) fender washers | 2) BR2000 (BR202) metal hangers | 2) snapper grommets |
| 6) 5/16" lock washers | 2) THU400 (BR104) rubber hangers | 3) 3" stainless steel clamps |
| 4) 2-1/4" stainless steel clamps | 2) SLB9 stainless steel hangers | 4) 5/16" x 1" bolts stainless steel |
| 2) muffler tips--stainless angle cut | 1) right tail pipe--#1001356ss |) 3" front extension pipe |
| 1) y-pipe--# 0030003ss |) left tail pipe--#1001355ss | |



Kit #1408450

INSTRUCTIONS:

NOTE: do not tighten any clamps or nuts and bolts until the last step!! Before cutting any pipes it is a good idea to lay out all the included pipes along side the vehicle and get a good idea of how the pipes will hang on the vehicle. Please read the instructions fully and thoroughly before you begin.

1) Remove the old exhaust system, leaving only the y-pipe and the converter on the truck. Those with the 117" wheel base will **NOT** use the 3" straight pipe included in this kit. If you have a 117" wheel base, go to step 3).

2) The 3" x 40" straight pipe fits GM trucks with the 155" wheel base (extended cab long box). If you have the extended cab with the short box (141" wheel base), you will need to cut 14" off from the 3" o.d. (non-swaged) end of the included extension pipe.

For those with the standard cab long box (133" wheel base), you will need to cut 24" off from the o.d. end of the included extension pipe.

Now slip the i.d. end of the 3" extension pipe over the end of the catalytic converter and install using a 3" clamp.

3) Install the y-pipe to the 3" extension pipe (the leg with the bend goes to the passenger side), using a 3" clamp to connect the two pieces. Locate the original hanger mount located above the pipe you have just installed. Slide in a U-type hanger bracket (BR2000), and use a 3" clamp to hang the pipe on the newly installed bracket. Locate the original bracket that had hung in front of the tail pipes. Slip in the other U-type hanger, and use a 2-1/4" clamp to connect the right rear side of the y-pipe to the bracket. **NOTE:** for newer pickups with rod-type hangers it will be necessary to use the alternate hanger assemblies (LB9 metal hanger, snapper grommet, 5/16" x 1-1/2" bolt, nut, lock washer, fender washer)--see illustration.

4) Install the right tail pipe (it has 5 bends) making sure that you have at least 1/2" of clearance from the shock. Locate the hole behind the original tail pipe hanger (if one is not present, you will need to drill a hole), and using a fender washer, 5/16" x 1" bolt, nut, and lock washer, mount one of the L-brackets (BR1) to the frame. Next, install a THU400 rubber hanger to the BR1 bracket using a 5/16" x 1" bolt, nut, lock washer, and fender washer. The hanger can be adjusted up or down for clearance. **NOTE:** you may want to trim the left (and later the right) tail pipe to your desired length.

5) Install the muffler tip onto the right tail pipe. Use a 2-1/4" clamp to secure the tip to the tail pipe and hanger just installed.

6) Install the left tail pipe (4 bends), making sure that you have clearance between the rear brake line (bend bracket to the front if necessary), shock, and spare tire. You should end up with a 1/2" of clearance from the shock and the tire. Again, you may want to trim the pipe to length.

7) Locate the mounting hole (or drill if one is not present) directly above the rear of the left tail pipe and mount the hanger as in step 4).

8) Mount the other muffler tip to the left tail pipe using a 2-1/4" clamp. Secure the tip to the tail pipe and the hanger as done in step 5).

9) Tighten all clamps, nuts, and bolts. Check for leaks and for clearance of all brake and fuel lines, and for clearance of all chassis and frame components. We recommend tack welding the joints (not necessary though).

Build Sheet For: Deep-Tone Dual Kits—Al.

Part # 1408450

_____ 2) muffler tips—all stainless angle cut--#8493518

_____ 1) right tail pipe--#1001356ss

_____ 1) 3” front extension pipe--#

_____ 1) y-pipe--# 0030003ss

_____ 1) left tail pipe--#1001355ss

_____ 1) hardware kit

Inspected by: _____

Date: _____

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