

Part # 1407350 stainless steel angle cut tips

Kit fits **GM S10, S15, Sonoma** from '82-'03 with all gasoline motors--note:--includes an extra front pipe and clamp that will not be used--this is a **universal muffler-back kit** designed to fit many vehicles, and not a true cat-back kit. This kit is designed to re-use the pipe after the converter but before the muffler. This kit will not fit aftermarket hitches that take up more than 26-1/2" of room in the rear end.

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:

- | | | |
|-----------------------------------|-------------------------------------|---|
| 3) fender washers SS | 1) BR1 (BR755) metal hanger bracket | 3) 3/8" lock washers SS |
| 2) 5/16" x 1-1/4" lag screws SS | 1) THU400 (BR104)-rubber hanger | 3) 3/8" nuts SS |
| 1) THU900 (BR91930)-360 swinger | 2) 5/16" x 1-1/2" bolts SS | 1) 5/16" x 1" bolt SS |
| 3) 5/16" nuts SS | 2) LB7-7" long bent metal hanger SS | 3) 5/16" lock washers SS |
| 8) 2-1/4" clamps MC9214SS | 2) snapper grommets | 3) 3/8" x 2-1/2" bolts SS |
| 1) 2-1/2" clamp MC9212SS | 1) F4 flange (2-1/2" 3 hole flange) | |
| 2) muffler tips--painted #8493518 | 1) right tail pipe#1407352 | 1) 2-1/4" front extension pipe#1407353 |
| 1) y-pipe w/F4 flange#0430038 | 1) left tail pipe #1407351 | 1) 2-1/2" front extension pipe w/ F4 flange#1407354 |

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.

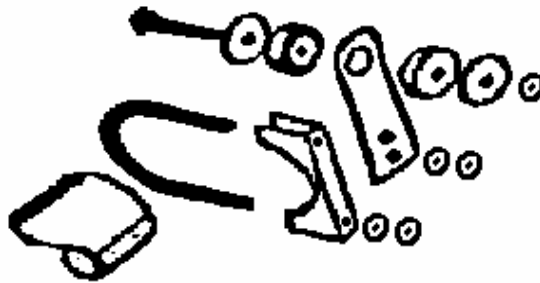
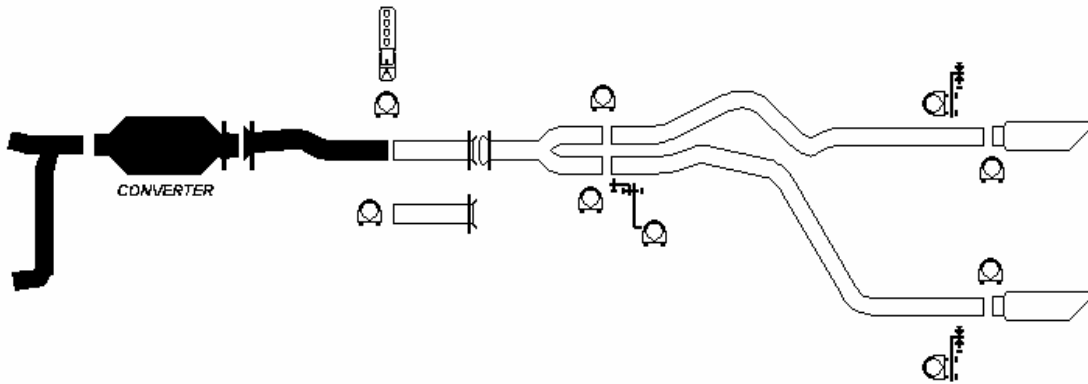
1) Remove the exhaust system by cutting the muffler off of the pipe that runs from the muffler to the converter. You will need to cut the pipe as close to the inlet of the muffler as possible. If there is an O.E. hanger immediately in front of (less than 2") the muffler, cut the pipe just in front of this hanger and remove the hanger from the vehicle.

2) Two extension pipes with flanges have been included that will fit two different models of this vehicle. One has a 2-1/4" inlet and the other has a 2-1/2" inlet. In general, but not in all cases, 4 cylinders will use the 2-1/4" pipe and clamp, and the V-6 models will use the 2-1/2" pipe and clamp. Install the slip-fit end of the appropriate extension pipe to the existing pipe after the converter, using the appropriate 2-1/4" or 2-1/2" clamp. the appropriate extension pipe will slide **over** the existing pipe after the converter.

3) Right above the connecting point of these two pipes will be a rectangular box support beam. You will need to install the THU900 swinger hanger to this beam, and to get it to fit, you will need to put a 90 degree bend in the middle of the metal strap for clearance. If no convenient hole is present in the beam, drill a 3/16" hole in this beam (but not through the box!) directly above the connecting point of the two pipes. Use a 5/16" x 1-1/4" lag screw and fender washer and install to the support beam. Use the clamp used in step 2) to clamp the THU900 swinger hanger to the connecting point of the two pipes.

4) Install the flanged end of the y-pipe to the flanged end of the extension pipe using the 3/8" x 2-1/2" bolts, nuts, and lock washers.

- 5) Remove the O.E. hangers that are on the vehicle above the end of the y-pipe and at the end of the tail pipe. Install the i.d. end (inlet) of the right tail pipe to the y-pipe and use a 2-1/4" clamp to connect the two pipes. Install an LB7 metal hanger to the frame near where the rear O.E. hanger was. Use the existing bolt hole if possible, or drill a 5/16" hole in the frame after the rear axle but before where the tips will be. The grommet will snap around the short part of the LB7 hanger. Install a 5/16" x 1" bolt, nut, and lock washer to the hanger assembly and bolt to the frame. Use a 2-1/4" clamp to connect the right tail pipe and the hanger assembly.
- 6) Install the i.d. end of the left tail pipe to the y-pipe. The left tail pipe is routed over the rear differential and behind the rear shock. Directly above the junction of the left tail pipe and the y-pipe is a cross member. Locate or drill a 3/16" hole in this cross member and install the long end of the BR1 hanger bracket using a 5/16" x 1-1/4" lag screw and fender washer. Use a 5/16" x 1" bolt, nut, fender washer, and lock washer to connect the THU400 rubber hanger to the BR1 bracket. Use a 2-1/4" clamp to connect to the left tail pipe just after the i.d. end of the left tail pipe.
- 7) As in step 5), install the rear hanger to the frame (drill another hole if one is not present) and clamp to the right tail pipe. The hanger should be placed about as far back as the hanger in step 5).
- 8) Those with long boxes, you will not need to cut off the tail pipe length. Those with short boxes, you will need to cut your tail pipes as necessary. Hold up a tip next to a tail pipe with the desired length of the tip sticking out the rear of the vehicle. Mark the tail pipe and be sure to account for 3" of the tip that will slide over the tail pipe. Trim the tail pipe as necessary and repeat as necessary and repeat for the other tail pipe.
- 9) Install the tips to the tail pipes using 2-1/4" clamps.
- 10) Tighten all clamps, nuts, and bolts. Check for clearance of all brake and fuel lines, and for clearance of all chassis and frame components. For detailed installation pictures-email at www.heartthrobexhaust.com



BUILD SHEET FOR: DEEP TONE DUAL KIT

PART #1407350

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

_____ 1) right tail pipe#1407352

_____ 1) 2-1/4” front extension pipe#1407353

_____ 1) y-pipe w/F4 flange#0430038

_____ 1) left tail pipe #1407351

_____ 1) 2-1/2” front extension pipe w/ F4
flange#1407354

_____ 1) hardware kit

INSPECTED BY: _____

DATE: _____

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