

INSTRUCTIONS FOR KIT # 1029354

FITS 1996-EARLY 1999 GM PICKUPS WITH DUAL INLETS TO MUFFLER (VORTECH SYSTEMS) 350 C.I.

NOTE: DO NOT TIGHTEN ANY CLAMPS UNTIL THE LAST STEP!

1) **REMOVE THE SPARE TIRE FROM UNDER THE TRUCK. BECAUSE OF CLEARANCE PROBLEMS, YOU WILL NOT BE ABLE TO RUN THIS SYSTEM WITH THE SPARE TIRE IN ITS ORIGINAL POSITION. THEREFORE, IT MUST BE PULLED PERMANENTLY!!!**

2) CUT BOTH PIPES OF THE EXHAUST OFF IMMEDIATELY IN FRONT OF THE MUFFLER.

**NOTE:** THE EXTENSION PIPES MAY NOT BE NEEDED FOR SHORTER WHEELBASE TRUCKS.

ON ALL OTHER VEHICLES THE EXTENSION PIPES MAY NEED TO BE CUT FROM THE 2-1/4" **O.D.** END (THE END THAT IS NOT SHRUNK) AS NECESSARY.

3) SLIP THE FRONT PIPES INTO PLACE. WITH THE TAIL PIPES IN THE REAR OF THE MUFFLER, HOLD UP THE MUFFLER AND TAIL PIPES IN A POSITION THAT CLEARS ALL CHASSIS COMPONENTS. MARK THE FRONT PIPES. MAKE SURE TO ACCOUNT FOR AT LEAST 2" OF THE PIPE TO GO INTO THE MUFFLER. CUT THE FRONT PIPES.

4) USE A 2" CLAMP TO ATTACH EACH EXTENSION PIPE TO THE CATALYTIC CONVERTER PIPE.

5) USE A 2.5" CLAMP TO ATTACH THE MUFFLER TO EACH EXTENSION PIPE.

6) SLIP THE RIGHT AND LEFT OVER THE AXEL PIPES INTO MUFFLER.

7) WITH THE MUFFLER AND OVER THE AXEL PIPES IN PLACE, INSTALL THE TWO THU900 HANGERS ABOVE THE OUTLETS OF THE MUFFLER. **NOTE:** IT MAY BE NECESSARY TO DRILL HOLES IN THE FRAME IF HOLES ARE NOT AVAILABLE. USE A NUT, BOLT, AND LOCK WASHER TO ATTACH TO THE FRAME. USE 5/16" X 1" BOLTS, NUTS, LOCK WASHERS, AND FENDER WASHERS TO CONNECT THE HANGERS TO THE FRAME.

8) MOUNT THE MUFFLER AND TAIL PIPES TO THE HANGERS USING THE 3" CLAMPS (ONE FOR EACH OUTLET OF THE MUFFLER).

9) INSTALL THE 28" LONG 3" I.D./O.D. TAIL PIPE EXTENSIONS TO THE OVER THE AXEL PIPES.

10) LOCATE MOUNTING HOLES IN THE FRAME NEAR THE END OF THE OVER THE AXEL SECTIONS OF THE TAIL PIPES. IF NO MOUNTING HOLES ARE PRESENT, DRILL A 5/16" HOLE IN THE FRAME FOR EACH TAIL PIPE. INSTALL THE REMAINING THU900 HANGERS USING THE FENDER WASHERS, NUTS, BOLTS AND LOCK WASHERS. CLAMP THE HANGERS TO THE REAR TAIL PIPE EXTENSIONS, CONNECTING THE TWO PIPES AND THE HANGERS.

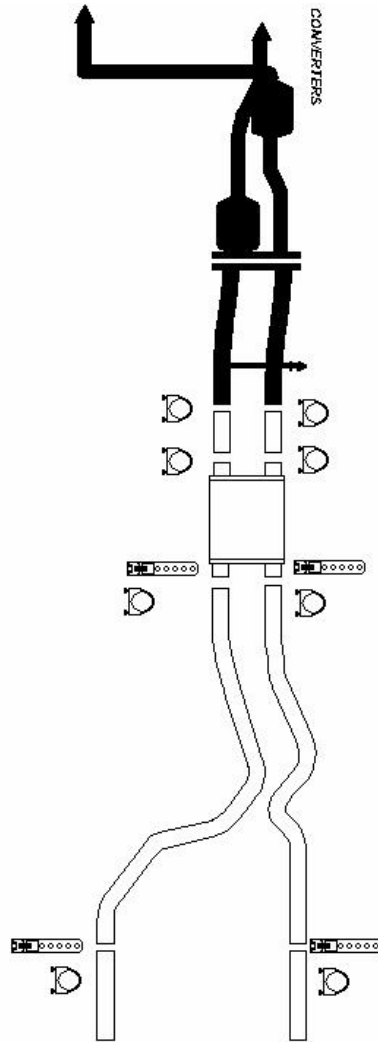
11) TRIM TAIL PIPES TO YOUR DESIRED LENGTHS.

12) TIGHTEN ALL CLAMPS AND CHECK FOR CLEARANCE OF BRAKE LINES.

**HARDWARE FOR #1029354**

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|--------------------------------|--|
| 2) 2" CLAMP                    | 2) FRONT EXTENSION PIPES #1029350-3          |
| 4) 3" CLAMP                    | 1) LEFT TAIL PIPE #1028350-2                 |
| 2) 2.5" CLAMP                  | 1) RIGHT TAIL PIPE #1028350-1                |
| 4) 5/16" X 1" BOLTS            | 1) MUFFLER—DUAL 2-1/2" IN/DUAL 3" OUT--58624 |
| 4) 5/16" NUTS                  | 2) TAIL PIPE EXTENSIONS                      |
| 4) 5/16" LOCK WASHERS          |  |
| 4) FENDER WASHERS (33219)      |  |
| 4) BR91930 360 SWINGER HANGERS |  |

**DANGER WARNING:** Should the purchaser decide to install this, or any other 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.



**Heartthrob exhaust systems are manufactured by Heartthrob Exhaust--Litchfield, MN**

**Email us at [mike@heartthroboxhaust.com](mailto:mike@heartthroboxhaust.com) with any questions.**

**[www.heartthroboxhaust.com](http://www.heartthroboxhaust.com)**

**320-693-0222**

**NOTES:**

-THE LEFT TAIL PIPE HAS 6 BENDS--THE INLET IS THE LONG END

-THE RIGHT TAIL PIPE HAS 5 BENDS--THE INLET IS THE SHORT END

-THE MUFFLER OUTLETS SHOULD BOTH BE PARALLEL TO THE GROUND AND RUN SIDE BY SIDE



**BUILD SHEET FOR: 3" DUAL KITS**

**PART #: 1029354**

- \_\_\_ 2) FRONT EXTENSION PIPES 2" to 2-1/2" #1029350-3
- \_\_\_ 1) LEFT TAIL PIPE #1028350-2
- \_\_\_ 1) RIGHT TAIL PIPE #1028350-1
- \_\_\_ 1) MUFFLER—DUAL 2-1/2" IN/DUAL 3" OUT--58624
- \_\_\_ 2) TAIL PIPE EXTENSIONS
- \_\_\_ 1) HARDWARE KIT

INSPECTED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

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