

Part # 1022010

Kit fits **Jeep Grand Cherokee** from '99-'04 with 4.0L & 4.7L.

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.

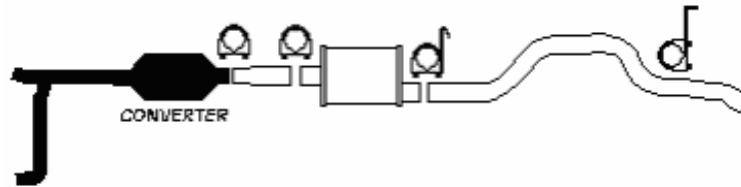
The entire risk as to the conformity of this product in any such state and as to repair, should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer of such product and it is not upon the seller, distributor, or manufacturer.

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:

- | | | | |
|-------------------|----------------------|---------------------------------|--------------------------------|
| 1) 2-1/4" clamp | 1) 3" clamp | 1) front 3" hanger clamp-# 2990 | 1) rear 3" hanger clamp-# 2989 |
| 1) extension pipe | 1) tail pipe 1022015 | 1) #54244 muffler | |



INSTRUCTIONS:

NOTE: do not tighten any clamps 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 clamp at the junction of the muffler and the converter. Remove the hangers of the pipes from the o.e. rubber hanger mounts. You will need to re-use these o.e. rubber hanger mounts.
- 2) Install the 2-1/4" i.d. inlet of the extension pipe to the converter, using the 2-1/4" clamp, line up the notch.
- 3) Install the center inlet of the muffler to the extension pipe using a 3" clamp. The inlet of the muffler is center, with an offset outlet, with the outlet lying towards the drive shaft.
- 4) Install the inlet of the tail pipe to the muffler. Use the front 3" hanger clamp to connect the muffler and the tail pipe. Some models will have an o.e. mount above. If so, use the wire portion of the hanger clamp to attach to the o.e. mount above.
- 5) Install the rear 3" hanger clamp to the tail pipe, and connect the wire to the o.e. mount.
- 6) Tighten all clamps. Check for clearance of all brake and fuel lines, and for clearance of all chassis and frame components.



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

Email us at mike@heartthrobexhaust.com with any questions. www.heartthrobexhaust.com
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BUILD SHEET FOR: 3" SINGLE KITS W/HVS

PART#: 1022010

- ___ 1) EXTENSION PIPE**
- ___ 1) TAIL PIPE--# 1022015**
- ___ 1) HVS MUFFLER #54244**
- ___ 1) HARDWARE KIT**

INSPECTED BY: _____

DATE: _____

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