

Instructions for kit #4004590 4" single kit w/HVS welded performance muffler

Fits 2011-2015 full-size Ford ¾ & 1 ton F250 & F350 2wd & 4wd pickup w/6.2L V8. This kit fits all wheel base models from super cab short box (141.8" w.b.) up through crew cab long box (163.2" w.b.).

Note: do not tighten any clamps or bolts until the last step!

Note: wheel base is measured from the center of the front wheel to the center of the rear wheel.

1) Disconnect the negative battery cable. Remove the exhaust system at the flange and clamp behind the converter y pipe leaving only the original converter y pipe, rubber mounts, and catalytic converters on the truck. You will need to reuse the front exhaust sleeve clamp and the bolts on the flange. If you are removing the o.e. exhaust in one piece, you will need to raise the vehicle in the rear and let the rear axle drop to facilitate easier removal, an extra set of hands is helpful.

Note: the front y pipe will fit all the listed wheel base models without cutting. The middle extension pipe will need to be cut to length for the super cab (extended cab) and crew cab short box models. No cutting is required for crew cab long box.

For 172.4" w.b. crew cab long box, you will need both the flanged front y pipe and the middle extension pipe at their full lengths, no cutting required.

For 156.2" w.b. (crew cab short box), cut 16.25" off of the OD (non-expanded) end of the middle extension pipe, the length after cutting should be 26.75" long.

For 158" w.b. (super cab long box), cut 14.5" off of the OD (non-expanded) end of the middle extension pipe, the length after cutting should be 28.5" long.

For 141.8" w.b. (super cab short box) 30" off of the OD (non-expanded) end of the middle extension pipe, the length after cutting should be 13" long.

3) use the original bolts to attach the flanged portion of the flanged front y pipe, and use the original sleeve clamp to attach the ID portion of the y pipe, to the appropriate connection parts of the converter y pipe.

4) those with wheel bases shorter than 172.4" trim the middle extension pipe as required in the note above, attach the middle extension pipe to the flanged front y pipe using a 4" accuseal clamp.

5) use the 4" front hanger clamp (single hook, the hook goes outside of the clamp) to attach the inlet of the muffler and the extension pipe together, connect the wire portion to the rear most o.e. rubber hanger mount above the system near the muffler inlet.

6) install the over the axle section of the tail pipe to the muffler using the middle 4" hanger clamp (two wire rod hangers on this hanger clamp). Connect the wire portion of the hangers to the o.e. rubber hanger mounts above.

7) install the rear section of the tail pipe using a 4" accuseal clamp.

8) Install the rear 4" hanger clamp (single hook, the hook goes in towards the clamp) to the over the axle tail pipe just into the last bend in the over the axle tail pipe section. Install the wire portion of the hanger to the o.e. rubber hanger mount above.

9) tighten all clamps and bolts and check for clearance of the frame, body, chassis members, and brake and fuel lines. Reconnect the negative battery cable.

Hardware kit for kit #4004590:

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|-------------------------------|---|-----------------------------------|
| 2) 4" Accuseal clamps # A40AF | 1) front 4" hanger clamp-#2669 | 1) middle 4" hanger clamp-#2668 |
| 1) rear 4" hanger clamp-#2667 | 2) 3/8" x 2-1/4" bolts # 13112 | 2) 3/8" nuts # 36106 |
| 2) 3/8" lock washers # 33622 | 4) 3/8" fender washers # 33219 | |
| 1) muffler # 1014066 | 1) rear tail pipe # 4005823 | 1) flanged front y pipe # 4004591 |
| 1) front tail pipe # 4005822 | 1) middle extension pipe 4" id/od x 43" # 4004592 | |

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.

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.

Part # 4004590

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

Email us at mike@heartthrobexhaust.com with any questions. Visit www.heartthrobexhaustinc.com

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www.heartthrobexhaust.com

320-693-0222

BUILD SHEET FOR: 4" SINGLE CAT-BACK KITS

PART#'S: 4004590:

- _____ 1) HARDWARE KIT
- _____ 1) muffler # 1014066
- _____ 1) rear tail pipe # 4005823
- _____ 1) flange front y pipe # 4004591
- _____ 1) middle extension pipe 4" id/od x 43" # 4004592
- _____ 1) front tail pipe # 4005822

INSPECTED BY: _____

DATE: _____

