

Instructions for kit #2004615 3" single kit w/HVS welded performance muffler

Fits 2009 full-size Ford ½ ton F150 2wd & 4wd pickup w/4.6L & 5.4L V-8. This kit fits all wheel base models from regular cab standard box (125.8" w.b.) up through super cab long box (163.2" w.b.).

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

1) remove the exhaust system at the flange behind the converters leaving only the original y pipe, rubber mounts, and catalytic converters on the truck.

Note: both of the extension pipes will fit the long wheel base trucks (163.2" w.b., super cab 97.4" long box) without cutting.

For 156.6" w.b. super crew standard 78.8" box, you will need only the front extension pipe, no cutting.

For 144.5" w.b. (super cab standard 78.8" box, super crew 67" short box and regular cab long 97.4" box), do not use the middle extension pipe, and cut off 11.5" from the od (non-flared) end of the 3" front extension pipe.

For 132.6" w.b. (super cab 67" short box), do not use the middle extension pipe, and cut off 23.4" from the od (non-flared) end of the 3" front extension pipe.

For 125.8" w.b. (regular cab 78.8" standard box), do not use the middle extension pipe, and cut off 30.2" from the od (non-flared) end of the 3" front extension pipe.

3) slide the flat side first of the sf36118 flange over the front extension pipe and use 3/8" x 2-1/2" bolts, nuts, lock and fender washers to attach the 3" front extension pipe to the converter pipe. Those with 144.5", 125.8" and 132.6" w.b. trim the 3" front extension pipe to length as described and do not use the middle extension.

4) those with wheel bases shorter than 163.2" trim as required in the note above, attach the 3" middle extension pipe to the 3" front extension pipe using a 3" clamp. Use the 3" front hanger clamp (this is the hanger where when looking at the welded portion of the hanger, it hooks away to the back) on the 3" front extension pipe, connect the wire portion to the o.e. rubber hanger mount along side the system.

5) use a 3" muffler clamp to attach the inlet of the muffler (offset inlet/center out, inlet of the muffler lies towards the drive shaft) and the extension pipe together.

5) install the over the axle section of the tail pipe to the muffler using a 3" clamp, the end with the shallow bend is the inlet.

6) install the middle 3" hanger clamp (this is the longest hanger clamp) to the over the axle section of the tail pipe just into the first bend of the over the axle tail pipe. Connect the wire portion of the hanger to the o.e. rubber hanger mount above.

7) install the rear section of the tail pipe using a 3" clamp. Install the rear 3" hanger clamp (this is the hanger clamp where when looking at the welded portion, the hanger hooks towards you) 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.

8) tighten all clamps and bolts and check for clearance of the frame, body, chassis members, and brake and fuel lines.

Hardware kit for kit #2004615:

- | | |
|---------------------------------|---|
| 1) sf36118 flange | 1) over the axle tail pipe # 2004614 |
| 4) 3" clamps | 1) muffler # 54144 |
| 1) front 3" hanger clamp-#2733 | 1) rear tail pipe # 2004613 |
| 1) middle 3" hanger clamp-#2732 | 1) 3" front extension pipe # 2004611 |
| 1) rear 3" hanger clamp-#2731 | 1) 3"middle extension pipe 3" id/od x 10" # 2004612 |
| 1) sf36118 flange | |
| 2) 3/8" x 1-1/4" bolts # 10107 | |
| 2) 3/8" nuts # 36106 | |
| 2) 3/8" lock washers # 33622 | |
| 4) 3/8" fender washers # 33219 | |

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.

www.heartthrobexhaust.com

320-693-0222

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

Email us at mike@heartthrobexhaust.com with any questions. Visit www.heartthrobexhaustinc.com/2004610p.html
For better full size color installation pictures

Part # 2004615

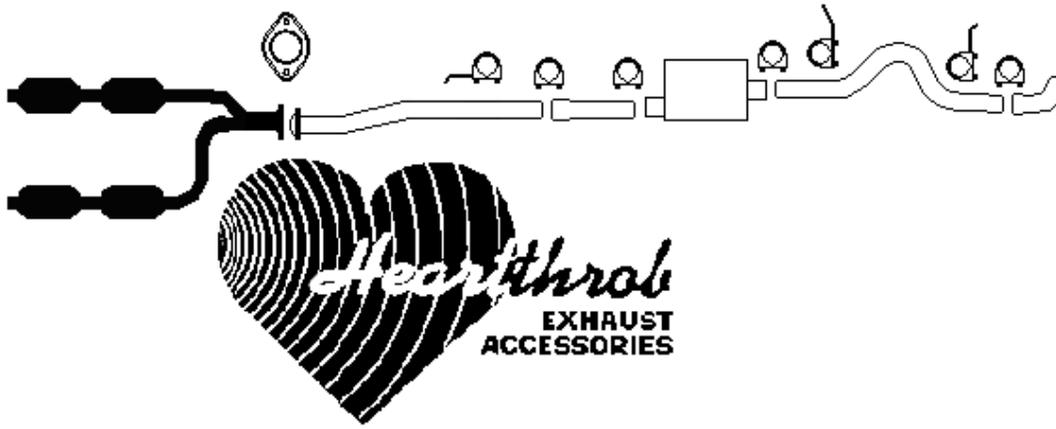
Limitation of liability--Disclaimers: The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties.

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.



BUILD SHEET FOR: 3" SINGLE CAT-BACK KITS

PART#'S: 2004615:

- _____ 1) HARDWARE KIT
- _____ 1) over the axle tail pipe #301 tp-1
- _____ 1) muffler #54144
- _____ 1) rear tail pipe # 2004613
- _____ 1) 3" front extension pipe # 2004611
- _____ 1) 3"middle extension pipe 3" id/od x 10" # 2004612

INSPECTED BY: _____

DATE: _____