

Fits 2011-2015 full-size Ford 1/2 ton F150 2wd & 4wd pickup w/3.5L Ecoboost V6, and 5.0L V8. 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.), except for 2015+ 163.2 w.b., which still fits but requires a 4" id/od adapter and separate clamp, available separately.

**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 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, except for 2015+, which for 163.2" w.b. will require a 4" ID/OD x 6" long extension and 4" clamp, not included.

For 2011-2014 156.6" w.b. super crew standard 78.8" box, you will need the front extension pipe, and use the middle extension pipe and cut 7" off the od end of the middle extension pipe. For 2015+ cut 3.5" off of the od end of the middle extension pipe.

For 2011-2014 144.5" w.b. (super cab standard 78.8" box, super crew 67" short box and regular cab long 97.4" box), cut 19-3/4" off of the OD (non-flared) end of the front flanged extension pipe, and use the full length 25" id/od middle extension pipe. For 2015+ use the full length of the middle extension pipe, and cut off 16.25" off of the OD (non-flared) end of the front flanged extension pipe.

For 2011-2014 132.6" w.b. (super cab 67" short box), do not use the middle extension pipe, and cut off 6" from the od (non-flared) end of the 3" front extension pipe. For 2015+ do not use the middle extension pipe and cut off 2.5" from the od (non-flared) end of the 3" front extension pipe.

For 2011-2014 125.8" w.b. (regular cab 78.8" standard box) and 2015+ 122.5" w.b., do not use the middle extension pipe, and cut off 13" from the od (non-flared) end of the 3" front extension pipe.

3) use 3/8" x 2-1/4" bolts, nuts, lock and fender washers to attach the flanged front extension pipe to the converter pipe.

4) those with wheel bases shorter than 163.2" trim as required in the note above, attach the middle extension pipe to the flanged front extension pipe using a 4" accusal clamp.

5) use the 4" front hanger clamp (shortest hanger portion) 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 along side 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 (mid length hanger portion). 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 4" clamp.

8) Install the rear 4" hanger clamp (this is the longest hanger portion) 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 #4004580:**

- |                               |   |   |
|-------------------------------|---|---|
| 2) 4" Accusal clamps # A40AF  | 1) front 4" hanger clamp-#2702                    | 1) middle 4" hanger clamp-#2701           |
| 1) rear 4" hanger clamp-#2700 | 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 extension pipe # 4004581 |
| 1) front tail pipe # 4005822  | 1) middle extension pipe 4" id/od x 25" # 4004582 |   |

**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. Visit [www.heartthroboxhaustinc.com](http://www.heartthroboxhaustinc.com)

For better full size color installation pictures

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320-693-0222

**Part # 4004580**

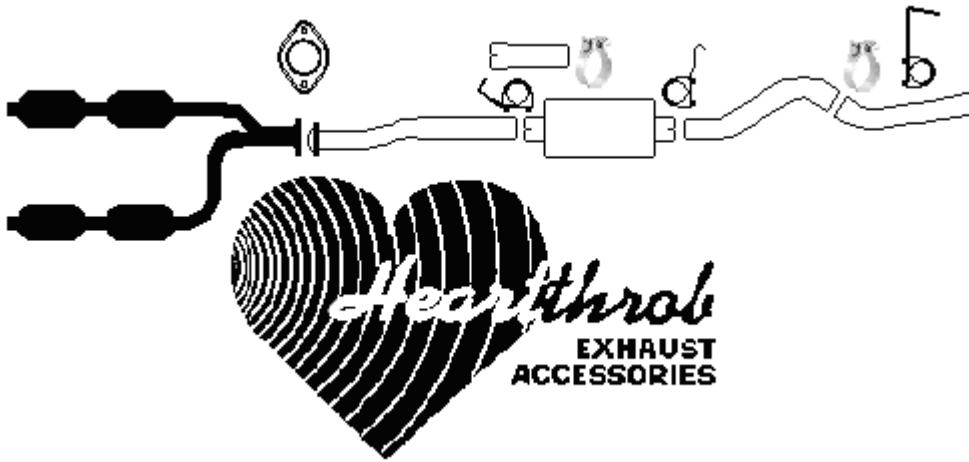
**Limitation of liability--Disclaimers:** The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties.

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: 4" SINGLE CAT-BACK KITS**

**PART#'S: 4004580:**

- \_\_\_\_\_ 1) HARDWARE KIT
- \_\_\_\_\_ 1) muffler # 1014066
- \_\_\_\_\_ 1) rear tail pipe # 4005823
- \_\_\_\_\_ 1) flange front extension pipe # 4004581
- \_\_\_\_\_ 1) middle extension pipe 4" id/od x 25" # 4004582
- \_\_\_\_\_ 1) front tail pipe # 4005822

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

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