

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: this system is designed to be installed on the vehicle while the suspension is at ride height, a drive on lift. If using a hoist/lift that raises the vehicle by the frame and the rear axle drops, the driver side tail pipe will not fit properly.

**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 both extension pipes, but trim the 3" middle (id/od 3" x 16" long straight piece) extension pipe to a total length of 9" long, cut from the od end (non expanded end).

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 3" 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 15" 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 21.5" 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" hanger clamp 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 and the extension pipe together.

6) install the left front tail pipe (5 bends) to the left outlet of the muffler, the short end of the tail pipe is the inlet, and the tail pipe with longer inlet section is the left side tail pipe. To install this tail pipe, you will need to tie off the brake and fuel lines that are in the way, use the included cable tie to tie these lines away from this tail pipe, see pictures attached.

7) install one of the tail pipe extensions to the left front tail pipe using a 2-1/2" clamp.

8) install the 2-1/2" hanger clamp (it has two clamps on it) to the outlets of the muffler. Connect the wire portion of the hanger to the o.e. rubber hanger mount above. The clamp with the hanger hook directly above it attaches to the muffler outlet nearest the drive shaft.

9) locate or drill a hole in the frame just before the last bend in the left front tail pipe. Using the 3/8" x 1-1/4" bolt, nut, lock and fender washer, install a br92073 hanger to the frame and attach to the left tail pipe using a 2-1/2" clamp. You will need to put a bend in the hanger to mount it to the bottom of the frame for best fit.

10) install the right front tail pipe to the right outlet of the muffler, it also has 5 bends and the short end is the inlet. Install the other tail pipe extension to the right front tail pipe using a 2-1/2" clamp.

11) install the 2-1/2" rear hanger clamp to the right front tail pipe just before the last bend in the right tail pipe, and below the o.e. rubber hanger mount, connect the wire portion of the hanger to the mount.

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

Heartthrob Exhaust--Litchfield, Mn

For detailed digital installation photos email us at [mike@heartthrobexhaust.com](mailto:mike@heartthrobexhaust.com)

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**HARDWARE KIT FOR KIT #2004580**

- 3) 2-1/2" CLAMPS
  - 2) 3" CLAMPS
  - 1) # sf36118 flange
  - 1) (360 SWINGER HANGER)--BR92073
  - 1) 3/8" X 1-1/4" BOLTS #10107
  - 5) FENDER WASHERS # 33219
  - 3) 3/8" LOCK WASHERS # 33622
  - 1) 3" HANGER CLAMP # 2736
  - 1) 2-1/2" FRONT HANGER CLAMP # 2735
  - 1) 2-1/2" REAR HANGER CLAMP # 2734
  - 3) 3/8" nuts # 36106
  - 2) 3/8" x 2-1/2" bolt # 10113
  - 1) cable tie
- 1) FRONT EXTENSION PIPE # 2004581
  - 1) LEFT TAIL PIPE # 2004400-2-2.5
  - 1) RIGHT TAIL PIPE # 2005000-3-2.5
  - 2) TAIL PIPE EXTENSIONS # 2004583
  - 1) MUFFLER #54442
  - 1) MIDDLE EXTENSION PIPE 3" id x 16" # 2004582

**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.

**BUILD SHEET FOR: 2-1/2" DUAL CAT-BACK KIT**

**PART #'S: 2004580**

- \_\_\_\_\_ 1) HARDWARE KIT
- \_\_\_\_\_ 1) FRONT EXTENSION PIPE # 2004581
- \_\_\_\_\_ 1) LEFT TAIL PIPE # 2004400-2-2.5
- \_\_\_\_\_ 1) RIGHT TAIL PIPE # 2005000-3-2.5
- \_\_\_\_\_ 2) TAIL PIPE EXTENSIONS # 2004583
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