

## **Instructions for kit #4044555 4" dual diesel kit turbo-back kit**

Note: due to the weight of this kit, the muffler may come in a separate package.

Fits: 1999-2003 full-size Ford 3/4 & 1 ton F-series w/7.3L Powerstroke turbo diesel, 2wd & 4wd, all wheel bases, this is a turbo-back exhaust kit, for vehicles without catalytic converter.

**Note:** do not tighten any clamps or bolts until the last step! Read these instructions fully and thoroughly before you begin.

- 1) remove the exhaust system at the v-band clamp at the turbo. Remove the wire hangers from the o.e. rubber hanger mounts (a lubricant may be necessary), but leave these rubber hanger mounts on the truck. Disconnect the clamps at the rear of the o.e. down pipe and at the inlet of the muffler. You will need to cut your original system apart to remove it more easily from the vehicle. You will need to re-use the original v-band clamp at the turbo.
- 2) install the down pipe to the turbo and install the original v-band clamp. Tighten only enough to hold in place. Be sure to rotate this pipe for clearance.
- 3) install the front extension pipe to the down pipe using a 5" clamp, making sure the clamp clears the heat shield. It is the extension pipe with 3 shallow bends in it, id end is the inlet. Install the front 5" hanger clamp (single wire hanger, see drawing) to the front extension pipe at the o.e. mount along side the front extension pipe. Attach the wire portion of the hanger to the o.e. hanger mount along side the pipe.
- 4) both of the middle (24" w/shallow bend) and rear (34" i.d./o.d.) extension pipes will fit the crew cab long box models (172.4" w.b.) without cutting. On all other wheel base models, you will need to trim the extension pipes as necessary:

crew cab long box (172.4")	both ext. Pipes no cutting
crew cab short box (156.2")	both ext. Pipes, trim 16" from o.d. end of rear ext.
super cab long box (158")	both ext. Pipes, trim 14.5" from o.d. end of rear ext.
super cab short box (141.8")	middle ext. Only, no cutting
regular cab (137")	middle ext. Only, trim 5" from o.d. end of front ext.
- 5) use a 5" clamp to attach the i.d. end of the 24" middle extension pipe to the front extension pipe (for regular cab models, cut this pipe to length).
- 6) if necessary, attach the 34" rear extension pipe (cut to length if necessary) to the middle extension pipe using a 5" clamp.
- 7) install the muffler to the extension pipe using a 5" clamp. The muffler will need to have the outlets installed approximately 30 degrees off of being installed vertically, to properly fit the tail pipes. See illustration on the following page. Of note, we have very detailed installation instructions on our website of this kit installed. Looking from the rear of the vehicle, the driver side outlet will be up high and to the left, the passenger side outlet will be down low and to the right.
- 8) install the right front tail pipe to the muffler using the right front 4" hanger clamp. The inlet of the right front tail pipe is i.d., and it has 2 bends, and is approximately 31" overall in length. Attach the wire portion of the hanger to the o.e. mount above.
- 9) install the right rear tail pipe to the right front tail pipe using a 4" clamp.
- 10) install the right rear 4" hanger clamp to the right rear tail pipe, after the bend and below the rear o.e. hanger. Install the wire portion of the hanger to the o.e. rubber hanger mount above.
- 11) install the left front tail pipe to the muffler using the left front 4" hanger clamp. The inlet of the left front tail pipe is i.d., and it has 2 bends, and is approximately 33" overall in length. Install the wire portion of the hanger to the o.e. rubber hanger mount above.
- 12) install the left rear tail pipe to the left front tail pipe using a 4" clamp. The inlet of the left rear tail pipe is i.d., and it has 1 bend, and is approximately 41" overall in length. On both tail pipes, you may want to trim to your preferred length.
- 13) you will need to tie off the brake and fuel lines that are in the vicinity of the left front tail pipe using the enclosed cable tie. Make sure these lines are not near the left tail pipe.
- 14) install the welded hanger 2752 to an existing slotted hole in the frame that is above where the left rear tail pipe crosses under the frame for the exit. Use a 3/8" nut, lock washer, 2778 bracket, and 3/8" bolt to install the hanger. Tighten the nut on the hanger, and install the BR92062 rubber hanger included in this kit to this hanger. Install the left rear 4" hanger clamp to the left rear tail pipe and attach the wire portion of the hanger to the BR92062 rubber hanger above.
- 15) tighten all clamps and bolts and check for clearance of the frame, body, and brake and fuel lines.

**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. If raising the vehicle, support it in a stable and safe manner prior to working under the vehicle.

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 FOR KIT #404455:**

- |   |                                       |
|---|---------------------------------------|
| 1) DOWN PIPE # 4054556                              | 4) 5" CLAMPS # MC7500                 |
| 1) FRONT EXTENSION PIPE 5" # 4054557                | 1) 5" front HANGER CLAMP # 2837       |
| 1) 34" REAR EXTENSION PIPE # 4054559 5" id/od x 34" | 1) Left rear 4" hanger clamp # 2753   |
| 1) left front tail pipe # 4044557                   | 1) Left front 4" HANGER CLAMP # 2755  |
| 1) left rear tail pipe # 4044559                    | 2) 4" clamps # MC7400                 |
| 1) MUFFLER # 7090                                   | 1) cable tie                          |
| 1) right front tail pipe # 4044556                  | 1) welded hanger # 2752               |
| 1) right rear tail pipe # 4044558                   | 1) 3/8" nut                           |
| 1) 24" mid EXTENSION PIPE # 4054558 5" id/od x 24"  | 1) 3/8" lock washer                   |
|   | 1) 3/8" fender washer                 |
|   | 1) Right front 4" hanger clamp # 2756 |
|   | 1) Right rear 4" hanger clamp # 2754  |
|   | 1) BR92062 rubber hanger              |
|   | 1) # 2778 bracket                     |
|   | 1) 3/8" x 1-1/4" bolt                 |

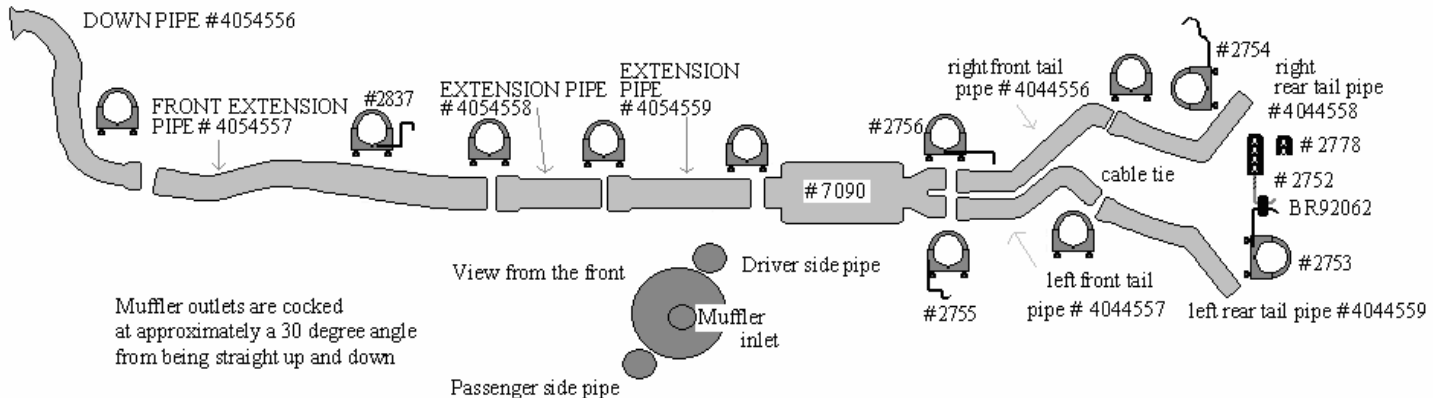


**Heartthrob exhaust systems are manufactured by Heartthrob Exhaust--Litchfield, MN**

Email us at [mike@heartthrobexhaust.com](mailto:mike@heartthrobexhaust.com) with any questions.

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[www.heartthrobexhaust.com](http://www.heartthrobexhaust.com)



**BUILD SHEET FOR: 4" DUAL EXHAUST KIT**

**PART #: 4044455**

- \_\_\_\_\_ 1) MUFFLER # 7090
- \_\_\_\_\_ 1) DOWN PIPE # 4054556
- \_\_\_\_\_ 1) front extension pipe # 4054557
- \_\_\_\_\_ 1) rear extension pipe 5" id/od x 34" # 4054559
- \_\_\_\_\_ 1) mid extension pipe 5" id/od x 24" # 4054558
- \_\_\_\_\_ 1) left front tail pipe # 4044557
- \_\_\_\_\_ 1) left rear tail pipe # 4044559
- \_\_\_\_\_ 1) right front tail pipe # 4044556
- \_\_\_\_\_ 1) right rear tail pipe # 4044558
- \_\_\_\_\_ 1) HARDWARE KIT

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

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

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

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- \_\_\_\_\_ 1) front extension pipe # 4054557
- \_\_\_\_\_ 1) rear extension pipe 5" id/od x 34" # 4054559
- \_\_\_\_\_ 1) mid extension pipe 5" id/od x 24" # 4054558
- \_\_\_\_\_ 1) left front tail pipe # 4044557
- \_\_\_\_\_ 1) left rear tail pipe # 4044559
- \_\_\_\_\_ 1) right front tail pipe # 4044556
- \_\_\_\_\_ 1) right rear tail pipe # 4044558
- \_\_\_\_\_ 1) HARDWARE KIT

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

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

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