

Instructions for kit #4045520 4" dual diesel kit turbo-back kit

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

Fits: 2003-2004 full-size Dodge 3/4 & 1 ton ram w/5.9L six cylinder turbo diesel, 2wd & 4wd, all wheel bases, this is a turbo-back exhaust kit, for vehicles without catalytic converter.

Note: this kit will only fit non-catalyst equipped 2003-2004 models. This system will not fit catalyst equipped 2003-2004, 2004-1/2-2007 models, and vehicles with 4" exhaust from the turbo.

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.
- 2) install the down pipe to the turbo using the original v-band clamp. Tighten only enough to hold in place. Install the wire hanger that is on the down pipe to the o.e. rubber mount on the driver's side of the pipe.
- 3) both of the extension pipes will fit the crew cab long box models (160.5" w.b.). On the regular cab long box and crew cab short box models (140.5" w.b.), you will not need the 23" (shorter) extension pipe.
- 4) use a 5" clamp to attach the i.d. inlet of the 37" extension pipe to the down pipe.
- 5) for crew cab long box models only, attach the i.d. inlet of the 23" extension pipe to the 37" extension pipe using a 5" clamp.
- 6) install the muffler to the extension pipe using the 5" hanger clamp. Connect the wire hanger to the rubber mount along side the connection. 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. Note: on the crew cab long box models there is another o.e. hanger in front of this mount that is not used for this kit.
- 7) install the right front tail pipe to the muffler using a 4" clamp. The inlet of the right front tail pipe is i.d., and it has 2 bends, and is approximately 28" overall in length.
- 8) install the right rear tail pipe to the right front tail pipe using a 4" clamp. The inlet of the right rear tail pipe is i.d., and it has 1 bend, and is approximately 37" overall in length.
- 9) install a welded hanger bracket, br92062 rubber hanger, and the right 4" hanger clamp assembly to the right rear tail pipe, after the bend and below the frame, where the rear tail pipe crosses under the frame. There is a slotted hole in the frame to allow for installing the welded hanger bracket, install this to the slotted hole in the frame using the 3/8" fender washers, lock washer, nut, and 3/8" x 3-1/2" bolt. Install the wire portions of the hanger assembly to the br92062 rubber hanger. Attach the clamp portion of the right rear hanger clamp to the tail pipe below.
- 10) 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 30" overall in length. Install the wire portion of the hanger to the o.e. rubber hanger mount above. Note: the driver side o.e. hanger mount at the outlet of the muffler is not used.
- 11) 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 42" overall in length. On both tail pipes, you may want to trim to your preferred length.
- 12) 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.
- 13) install a welded hanger bracket, br92062 rubber hanger, and the left rear 4" hanger clamp assembly to the left rear tail pipe, after the bend and below the frame, where the rear tail pipe crosses under the frame. There is a slotted hole in the frame to allow for installing the welded hanger bracket, install this to the slotted hole in the frame using the 3/8" fender washers, lock washer, nut, and 3/8" x 3-1/2" bolt. Install the wire portions of the hanger assembly to the br92062 rubber hanger. Attach the clamp portion of the right rear hanger clamp to the tail pipe below.
- 14) tighten all clamps and bolts and check for clearance of the frame, body, and brake and fuel lines.

KIT #4045520:

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 #4045520:

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|---|-------------------------------------|
| 1) DOWN PIPE # 4055521 | 2) 5" CLAMPS # MC7500 |
| 1) FRONT EXTENSION PIPE 5" id/od x 37" # 4045521 | 1) 5" HANGER CLAMP # 2723 |
| 1) 23" REAR EXTENSION PIPE # 4055523 5" id/od x 23" | 1) Left front 4" HANGER CLAMP #2722 |
| 1) left front tail pipe # 4045504 | 1) Left rear 4" HANGER CLAMP # 2721 |
| 1) left rear tail pipe # 4045505 | 2) 4" clamps # MC7400 |
| 1) MUFFLER # 7090 | 1) cable tie |
| 1) right front tail pipe # 4045502 | 2) BR92062 rubber hanger |
| 1) right rear tail pipe # 4045503 | 2) 3/8" nuts # 36106 |
| | 2) 3/8" lock washer # 33622 |
| | 2) 3/8" fender washer # 33219 |
| | 1) Right 4" hanger clamp # 2720 |
| | 2) welded hanger bracket # 2942 |
| | 2) # 10117 3/8" x 3-1/2" bolt |
| | 2) # 33012 large washer |

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

Email us at mike@heartthrobexhaust.com with any questions.

www.heartthrobexhaust.com 320-693-0222

BUILD SHEET FOR: 4" DUAL EXHAUST KIT

PART #: 4045520

- ___ 1) MUFFLER # 7090
- ___ 1) DOWN PIPE # 4055521
- ___ 1) front extension pipe 5" id/od x 37" # 4045521
- ___ 1) rear extension pipe 5" id/od x 23" # 4055523
- ___ 1) left front tail pipe # 4045504
- ___ 1) left rear tail pipe # 4045505
- ___ 1) right front tail pipe # 4045502
- ___ 1) right rear tail pipe # 4045503
- ___ 1) HARDWARE KIT

