

Instructions for kit #4045500 4" dual diesel kit turbo-back kit

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

Fits: 1998.5-2002 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: If originally equipped with a catalytic converter, it is illegal to use the vehicle on public roads with the converter removed.

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 flange at the turbo (using an m15 extended socket). 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 re-use the original nuts and bolts at the turbo flange.
- 2) install the down pipe to the flange at the turbo and install the original nuts and bolts. 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 extended cab long box models (162" w.b) without cutting. On the extended cab short box (155" w.b.), you will not need the 10" rear extension pipe, and no cutting is necessary of the front extension pipe. For regular cab models, you will not need the rear 10" rear extension pipe, and you will need to trim as follows: for regular cab long box (139" w.b.) trim the front extension pipe to an overall length of 44" (cut off 16"), for 135" w.b. trucks, cut off an additional 4". Attach the front extension pipe to the down pipe using a 5" clamp.
- 4) use a 5" clamp to attach the 10" rear extension pipe to the front extension pipe (for extended cab long box models only, regular cab and extended cab short box trucks skip this step).
- 5) install the muffler to the extension pipe using the 5" hanger clamp. Connect the wire hangers to the rubber mounts above. 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.
- 6) 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.
- 7) install the right rear tail pipe to the right front tail pipe using the right front 4" hanger clamp. Attach the wire portion of the hanger to the o.e. rubber hanger mount above. The inlet of the right rear tail pipe is i.d., and it has 1 bend, and is approximately 37" overall in length.
- 8) install the right rear 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.
- 9) install the left front tail pipe to the muffler using a 4" clamp. The inlet of the left front tail pipe is i.d., and it has 2 bends, and is approximately 30" overall in length.
- 10) 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.
- 11) 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.
- 12) install the 3/8" threaded rod hanger to an existing 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 on both sides of the frame on the rod hanger, and use the enclosed 3/8" lock and fender washers (this hanger is adjustable for height). Tighten the nuts on the hanger, and install the BR92062 rubber hanger included in this kit to this hanger. Install the left 4" hanger clamp to the left rear tail pipe and attach the wire portion of the hanger to the BR92062 rubber hanger above.
- 13) 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.

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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 #4045500:

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| 1) DOWN PIPE # 4055502 | 2) 5" CLAMPS # MC7500 |
| 1) FRONT EXTENSION PIPE 5" id/od x 60" # 4045501 | 1) 5" HANGER CLAMP # 2775 |
| 1) 10" REAR EXTENSION PIPE # 4045506 5" id/od x 10" | 1) 4" DUAL HANGER CLAMP #2774 |
| 1) left front tail pipe # 4045504 | 1) Left 4" HANGER CLAMP # 2773 |
| 1) left rear tail pipe # 4045505 | 2) 4" clamps # MC7400 |
| 1) MUFFLER # 7090 | 1) cable tie |
| 1) right front tail pipe # 4045502 | 1) 3/8" threaded rod hanger # 2772 |
| 1) right rear tail pipe # 4045503 | 2) 3/8" nuts |
| | 1) 3/8" lock washer |
| | 1) 3/8" fender washer |
| | 1) Right front 4" hanger clamp # 2771 |
| | 1) Right rear 4" hanger clamp # 2770 |
| | 1) BR92062 rubber hanger |

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

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

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