

INSTRUCTIONS FOR KIT #4004500 4" DIESEL KIT TURBO-BACK KIT #

FITS: 1994-1998 FULL-SIZE FORD 3/4 & 1 TON F SERIES W/7.3L POWERSTROKE TURBO DIESEL, 2WD & 4WD, ALL WHEEL BASES (133"-168"), THIS IS A TURBO-BACK EXHAUST KIT, FOR VEHICLES WITH CATALYTIC CONVERTER.

NOTE: DO NOT TIGHTEN ANY CLAMPS OR BOLTS UNTIL THE LAST STEP! READ THESE INSTRUCTIONS FULLY AND THOROUGHLY BEFORE YOU BEGIN.

NOTE: FIREWALL MODIFICATIONS ARE NECESSARY FOR THIS KIT TO FIT. YOU WILL NEED TO CUT YOUR O.E. PIPE APART FOR REMOVAL. YOU MAY EVEN NEED TO REMOVE THE TURBO TO GET THE O.E. DOWN PIPE OUT OF THE VEHICLE. WE RECOMMEND THIS KIT ONLY FOR THOSE WITH ADVANCED KNOWLEDGE OF EXHAUST SYSTEMS.

NOTE: THIS KIT WILL FIT WHEEL BASES LONGER THAN 168", YOU WILL NEED A 4" ID/OD ADAPTER (FOR THE DIFFERENCE IN WHEEL BASE LENGTH) AND AN ADDITIONAL 4" CLAMP.

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. 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. YOU WILL WANT TO REMOVE THE CONVERTER, BUT KEEP FOR INSTALLING LATER.

2) INSTALL THE DOWN PIPE (#51001) TO THE TURBO AND INSTALL THE ORIGINAL V-BAND CLAMP. TIGHTEN ONLY ENOUGH TO HOLD IN PLACE. YOU WILL NEED TO MODIFY THE FIREWALL FOR CLEARANCE OF THE DOWN PIPE.

3) INSTALL THE DOWN PIPE EXTENSION TO THE DOWN PIPE USING A 3" BAND CLAMP (#510305).

4) INSTALL THE CONVERTER TO THE DOWN PIPE EXTENSION. USE THE 3/8" X 2-1/2" BOLTS, NUTS, AND FENDER WASHERS.

5) THE FRONT EXTENSION PIPE (17" SHRUNK TO 3-1/2") WILL FIT THE REGULAR CAB LONG BOX MODELS (133" WHEEL BASE). ON THE LONGER WHEEL BASE MODELS, YOU WILL NEED THE MIDDLE EXTENSION PIPE (4" X 38" ID/OD), WHICH NEEDS TO BE TRIMMED TO LENGTH.

6) USE A 3-1/2" CLAMP TO ATTACH THE EXTENSION PIPE TO THE CONVERTER. ATTACH THE MIDDLE EXTENSION PIPE TO THE FRONT EXTENSION PIPE USING A 4" CLAMP.

7) INSTALL THE MUFFLER TO THE EXTENSION PIPE USING THE FRONT 4" HANGER CLAMP. NOTE: THE EXHAUST SHOULD FLOW OVER, AND NOT DIRECTLY INTO, THE LOUVERS OF THE MUFFLER.

8) INSTALL THE TAIL PIPE TO THE MUFFLER USING THE MIDDLE 4" HANGER CLAMP (TWO WIRE HANGERS ON IT) AT THE CONNECTING POINT OF THE TAIL PIPE AND MUFFLER. INSTALL THE WIRE HANGERS THAT ARE ON THE HANGER CLAMP TO THE O.E. RUBBER MOUNTS ABOVE.

9) INSTALL THE REAR TAIL PIPE 4" HANGER CLAMP TO THE TAIL PIPE BEFORE THE LAST BEND AND BELOW THE O.E. RUBBER HANGER MOUNT. INSTALL THE WIRE PORTION OF THE HANGER TO THE O.E. MOUNT ABOVE.

10) FOR THOSE WITH DUALY MODELS, YOU WILL NEED TO INSTALL THE TAIL PIPE EXTENSION TO THE TAIL PIPE USING EITHER WELDING (RECOMMENDED FOR APPEARANCE REASONS) OR USING A 4" CLAMP (INCLUDED). YOU MAY NEED TO TRIM TO LENGTH AND STYLE OF CUT.

11) TIGHTEN ALL CLAMPS AND BOLTS AND CHECK FOR CLEARANCE OF THE FRAME, BODY, AND BRAKE AND FUEL LINES.

HARDWARE KIT FOR KIT #4004500 :

- 1) DOWN PIPE # 51001
- 1) DOWN PIPE EXTENSION #4004501 (52001)
- 1) FRONT EXTENSION PIPE # 4004502
- 1) MIDDLE EXTENSION PIPE # 4004503
- 1) MUFFLER #5024-114AL
- 1) TAIL PIPE # 4005505
- 1) TAIL PIPE EXTENSION # 4005507
- 2) 4" CLAMPS #MC7400
- 1) FRONT 4" HANGER CLAMP # 2982
- 1) MIDDLE 4" HANGER CLAMP # 2981
- 1) 3" BAND CLAMP #510305
- 1) REAR 4" HANGER CLAMP # 2980
- 1) 3-1/2" CLAMP #MC7312
- 2) 3/8" X 2-1/2" BOLTS
- 2) 3/8" NUTS
- 2) FENDER WASHERS

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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.

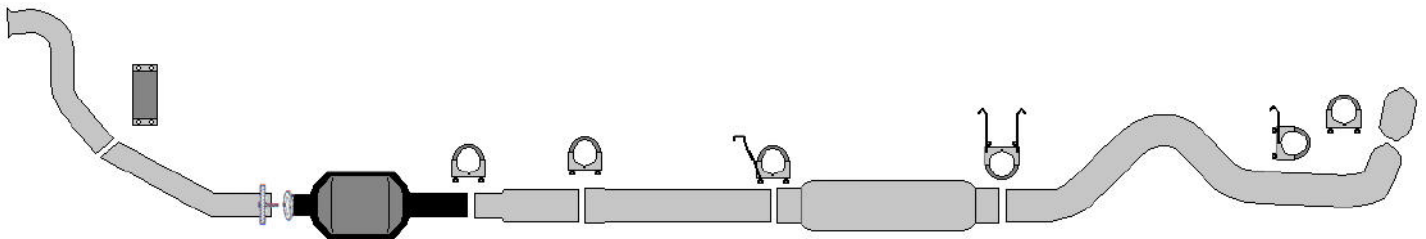
Limitation of liability--Disclaimers: The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties.

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.



FOR DETAILED DIGITAL PICTURES OF THIS SYSTEM INSTALLED EMAIL US AT:

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www.heartthrobexhaust.com

320-693-0222

Build sheet for 4" diesel kit

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Inspected by: _____

Date: _____

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