

Installation Instructions for 30430 5" Diesel Turbo-Back Exhaust Kit

Application: 2001-2004 Full-Size GM Duramax 3/4- & 1-Ton w/6.6L Turbo Diesel, 2WD & 4WD, Extended Cab Models (short bed = 143.5", long bed = 157.5" wheel bases).

NOTE: This system is not designed for on-road use on vehicles with a catalytic converter.

Kit Includes:

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|--|----------------------------------|
| 1) Down Pipe # 4055751 | 4) 5" Clamps #MC7500 |
| 1) Front Extension Pipe # 4055771 | 1) 5" Front Hanger Clamp # 2833 |
| 1) 17" Middle Extension Pipe # 4055753 | 1) 5" Rear Hanger Clamp # 2846 |
| 1) Oval Muffler Short Body 14" | 1) 5" Middle Hanger Clamp # 2847 |
| 1) Front Tail Pipe # 4055506 | |
| 1) Rear Tail Pipe # 4055507 | |

DANGER WARNING:

Should the purchaser decide to install this 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. We recommend the use of a shop hoist if possible. Please use caution!

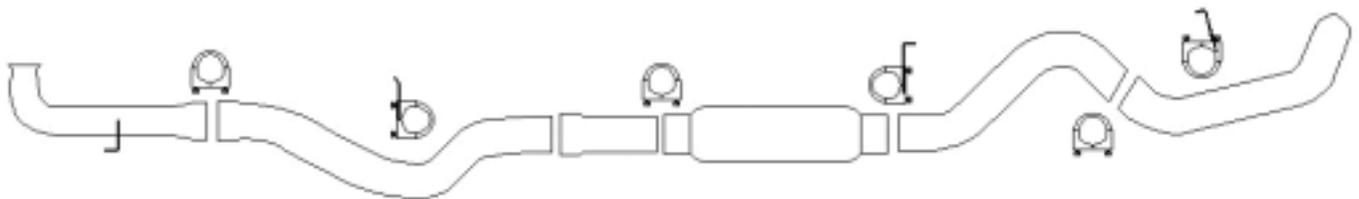
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NOTE: DO NOT TIGHTEN ANY BOLTS OR CLAMPS UNTIL THE LAST STEP! READ THESE INSTRUCTIONS FULLY AND THOROUGHLY BEFORE YOU BEGIN.

NOTE: WE HIGHLY RECOMMEND THE USE OF A HIGHER FLOWING AIR FILTER OR COLD AIR KIT, AND A POWER PROGRAMMER OR HIGHER PERFORMANCE CHIP, FOR USE WITH THIS EXHAUST SYSTEM.

- 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 bolts at the flange at the rear of the O.E. down pipe. You may 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. Install the wire hanger on the down pipe to the O.E. rubber mount below the wire hanger.
- 3.** Install the front extension pipe to the down pipe using a 5" clamp. It is the extension pipe with 3 bends in it. I.D. end is the inlet. The extension pipe is bent to clear the cross member. Rotate as necessary for clearance. Use the 5" front hanger clamp to attach the front extension pipe to the O.E. hanger just after the second bend in the front extension pipe. Attach the clamp portion to the front extension pipe, and the wire portion to the O.E. rubber hanger mounted along the side of the pipe.
- 4.** The middle extension pipe will fit the extended cab long box models. On the short box models, you will not need this 17" I.D./O.D. extension pipe. Use a 5" clamp to connect the middle and front extension pipes (if necessary).
- 5.** Install the muffler to the extension pipe using a 5" clamp. NOTE: The muffler is reversible. You may need to rotate for clearance of the frame and drive shaft. Install the wire portion of the hanger to the O.E. rubber hanger mount above.
- 6.** Install the front tail pipe to the muffler using the 5" middle hanger clamp (see drawing) at the connecting point of the front tail pipe and muffler. Install the wire hanger that is on the hanger clamp to the O.E. rubber mount above.
- 7.** Install the rear tail pipe to the front tail pipe using a 5" clamp.
- 8.** Install the 5" rear hanger clamp to the rear 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.
- 9.** For those without dually models, you will need to trim the rear tail pipe to length.
- 10.** Tighten all clamps and the V-band clamp at the turbo, and check for clearance of the frame, body, chassis components, and brake and fuel lines.



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Installation Instructions for 30432 5" Diesel Turbo-Back Kit

Application: 2001-2004 full-size GM Duramax 3/4- & 1-ton w/6.6L turbo diesel, 2WD & 4WD, crew cab models (short bed = 153", long bed = 167" wheel bases). This is a turbo-back kit.

NOTE: This system is not designed for on-road use on vehicles with a catalytic converter.

Kit Includes:

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| 1) Down Pipe # 4055751 | 3) 5" Clamps #MC7500 |
| 1) Front Extension Pipe # 4055752 | 1) 5" Front Hanger Clamp # 2848 |
| 1) 17" Middle Extension Pipe # 4055753 | 1) 5" Rear Hanger Clamp # 2846 |
| 1) Oval Muffler | 1) 5" Middle Hanger Clamp # 2847 |
| 1) Front Tail Pipe # 4055506 | |
| 1) Rear Tail Pipe # 4055507 | |

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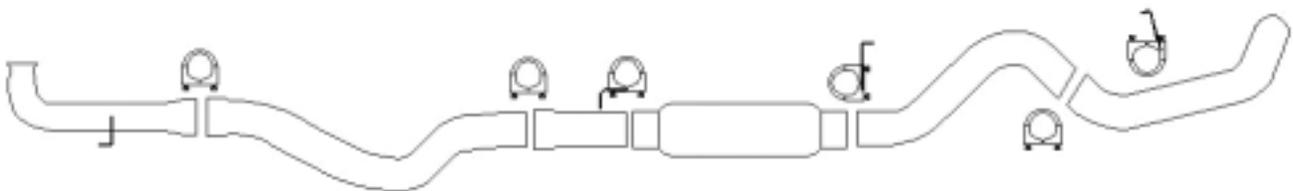
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NOTE: DO NOT TIGHTEN ANY BOLTS OR CLAMPS UNTIL THE LAST STEP!

- 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 bolts at the flange at the rear of the O.E. down pipe. You may 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. Install the wire hanger on the down pipe to the O.E. rubber mount below the wire hanger.
- 3.** Install the front extension pipe to the down pipe using a 5" clamp. It is the extension pipe with 3 bends in it. I.D. end is the inlet. The extension pipe is bent to clear the cross member. Rotate as necessary for clearance.
- 4.** The middle extension pipe will fit the crew cab, long-box models. On the short-box models, you will not need this 17" I.D./O.D. extension pipe. Use a 5" clamp to connect the middle and front extension pipes (if necessary).
- 5.** Install the muffler to the extension pipe using the 5" front hanger clamp. NOTE: The muffler is reversible. Connect the longer wire hanger to the driver's side rubber mount, and the shorter wire hanger to the passenger side rubber mount, both above the connecting point of the extension pipe and the muffler.
- 6.** Install the front tail pipe to the muffler using the 5" middle hanger clamp (see drawing) at the connecting point of the front tail pipe and muffler. Install the wire hanger that is on the hanger clamp to the O.E. rubber mount above.
- 7.** Install the rear tail pipe to the front tail pipe using a 5" clamp.
- 8.** Install the 5" rear hanger clamp to the rear 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.
- 9.** For those without dually models you will need to trim the rear tail pipe to length.
- 10.** Tighten all clamps and the V-band clamp at the turbo, and check for clearance of the frame, body, chassis components, and brake and fuel lines.



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Installation Instructions for 30433 5" Diesel Turbo-Back Kit

Application: 1999-2003 Full-size Ford F250/F350 w/7.3L Powerstroke turbo diesel, 2WD & 4WD, all wheel bases.

NOTE: This is a turbo-back exhaust kit for vehicles without catalytic converter.

Kit Includes:

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|--|---|
| 1) Down Pipe # 4054556 | 4) 5" Clamps #MC7500 |
| 1) Front Extension Pipe # 4054557 | 1) 5" Middle Hanger Clamp # 2836 |
| 1) 24" Middle Extension Pipe # 4054558 | 1) 5" Front Hanger Clamp # 2837 |
| 1) 34" Middle Extension Pipe # 4054559 | 1) Rear Tail Pipe # 4055507 |
| 1) Muffler #7018-115AL | 1) Rear Tail Pipe 5" Hanger Clamp # 2834 |
| | 1) Front Tail Pipe # 4055506 |
| | 1) Front Tail Pipe 5" Hanger Clamp # 2835 |

DANGER WARNING:

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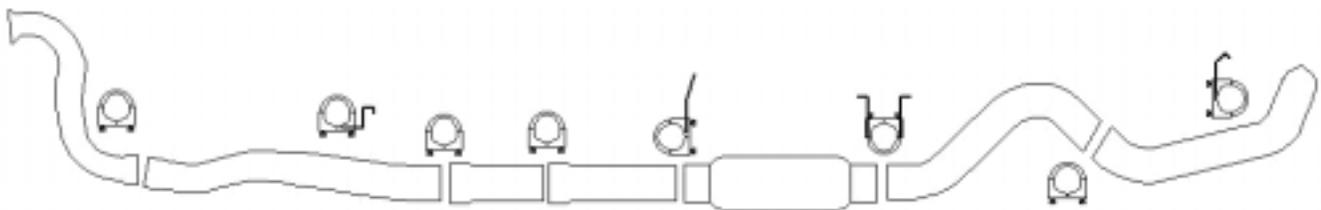
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NOTE: DO NOT TIGHTEN ANY BOLTS OR CLAMPS UNTIL THE LAST STEP!

- 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. NOTE: There are two bolts on the O.E. exhaust heat shield that we recommend that you cut or trim for clearance of the 5" front extension pipe. They are near the end of the heat shield before the O.E. muffler.
- 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, I.D. end is the inlet. Trim the bolts on the heat shield if you have not done so yet. 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 the middle 5" hanger clamp. Attach the wire portion to the O.E. mount beside it. NOTE: The muffler is reversible, and you may need to rotate the muffler for clearance of the frame and drive shaft.
- 8.** Install the front tail pipe to the muffler using the front tail pipe 5" hanger clamp (two wire hangers on it) at the connecting point of the front tail pipe and muffler. Install the wire hangers on the hanger clamp to the O.E. rubber mounts above.
- 9.** Install the rear tail pipe to the front tail pipe using a 5" clamp.
- 10.** Install the rear tail pipe 5" 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.
- 11.** For those without dually models, you will need to cut the tail pipe at the rear to length. You may need to trim to length and style of cut.
- 12.** Tighten all clamps and bolts and check for clearance of the frame, body, and brake and fuel lines.



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Installation Instructions for 30435 5" Diesel Turbo-Back Kit

Application: 1994-2002 full-size Dodge 3/4- & 1-ton Ram w/5.9L six-cylinder turbo diesel, 2WD & 4WD, all wheel bases

NOTE: This is a turbo-back exhaust kit for vehicles without catalytic converter.

NOTE: This kit also fits 1994-1998-1/2 models with converter, but requires modifications to reinstall the original converter. If originally equipped with a converter, it is illegal to use this vehicle on public roads with the converter removed.

NOTE: For 1994-1998-1/2 models the tail pipe hangers may need to be modified or removed, and an alternate hanger setup installed.

NOTE: We highly recommend the use of a higher flowing air filter or cold air kit, and a power programmer or high performance chip for use with this exhaust system.

Kit Includes:

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|--------------------------------------|----------------------------------|
| 1) Down Pipe # 4055502 | 4) 5" Clamps # MC7500 |
| 1) Front Extension Pipe # 4055503 | 1) Front 5" Hanger Clamp # 2851 |
| 1) 19" Rear Extension Pipe # 4055504 | 1) Middle 5" Hanger Clamp # 2850 |
| 1) Front Tail Pipe # 4055506 | 1) Rear 5" Hanger Clamp # 2849 |
| 1) Rear Tail Pipe # 4055507 | 1) Oval Muffler 18" Body |

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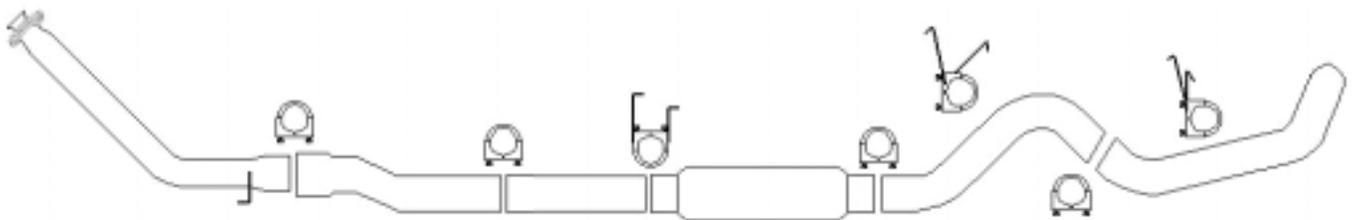
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NOTE: DO NOT TIGHTEN ANY BOLTS OR CLAMPS UNTIL THE LAST STEP!

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 without cutting. On the regular cab model and extended cab, short-box, you will not need the 19" rear extension pipe. Attach the front extension pipe to the down pipe using a 5" clamp.
4. Use a 5" clamp to attach the 19" 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 front 5" hanger clamp, rotate slightly for clearance of the frame and drive shaft if necessary. NOTE: The muffler is reversible. Connect the longer wire hanger to the driver's side rubber mount, and the shorter wire hanger to the passenger side rubber mount, both above the connecting point of the extension pipe and the muffler.
6. Install the front tail pipe to the muffler using a 5" clamp.
7. Install the middle 5" hanger clamp to the front tail pipe just after the first bend. Install the wire hangers that are on the hanger clamp to the O.E. rubber mounts above.
8. Install the rear tail pipe to the front tail pipe using a 5" clamp. For those without dually models, you will need to trim the rear tail pipe to length.
9. Install the rear 5" hanger clamp to the rear tail pipe just below the rear O.E. rubber hanger mounts. Connect the wire portions of the hanger to the O.E. mounts above. NOTE: If you have a 1994-1998 model you may need to modify the wire hangers to fit. Either cut and re-weld or install a BR91930 hanger (or equivalent, not included) to the frame using appropriate hardware. Drill a hole in the frame if necessary in a suitable location. Attach the hanger to the tail pipe using a 5" clamp (not included). You may also weld a hanger attachment to the tail pipe, make sure it is rubber mounted.
10. Tighten all clamps and bolts and check for clearance of the frame, body, and brake and fuel lines.



Installation Instructions for 30436 5" Diesel Turbo-Back Kit

Application: 2003-2004 full-size Dodge 3/4- & 1-ton Ram w/5.9L six-cylinder turbo diesel, 2WD & 4WD, all wheel bases.

NOTE: This is a turbo-back exhaust kit for vehicles without catalytic converter.

Kit Includes:

- | | |
|---------------------------------------|----------------------------------|
| 1) Down Pipe # 4055521 | 2) 5" Clamps # MC7500 |
| 1) 45" Front Extension Pipe # 4055522 | 1) Front 5" Hanger Clamp # 2831 |
| 1) 23" Rear Extension Pipe # 4055523 | 1) Rear 5" Hanger Clamp #2829 |
| 1) Front Tail Pipe # 4055506 | 1) Middle 5" Hanger Clamp # 2830 |
| 1) Rear Tail Pipe # 4055507 | 1) Muffler #7018-115AL |

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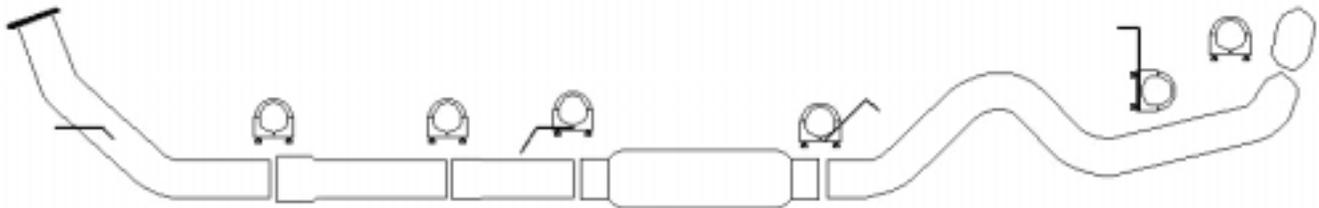
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- 1.** Remove the exhaust system at the V-band clamp at the turbo. Remove the wire hangers from the O.E. rubber hanger mounts (a lubricant may be necessary), but leave these rubber hanger mounts on the truck.
- 2.** Install the down pipe to the turbo 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 41" 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 41" extension pipe using a 5" clamp.
- 6.** Install the muffler to the applicable extension pipe using the front 5" hanger clamp. NOTE: The muffler is reversible. Connect the longer wire hanger to the driver's side rubber mount, and the shorter wire hanger to the passenger side rubber mount, both above the connecting point of the extension pipe and the muffler. 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 front tail pipe to the muffler using the middle 5" hanger clamp. Install the wire hangers that are on the hanger clamp to the O.E. rubber mounts above.
- 8.** Install the rear tail pipe to the front tail pipe using the rear 5" hanger clamp to the tail pipe. Connect the wire portion of the hanger clamp to the O.E. rubber hanger mount above.
- 9.** For those without dually models, you will need to trim the tail pipe to length and style of cut.
- 10.** Tighten all clamps, bolts, and the V-band clamp at the turbo, and check for clearance of the frame, body, and brake and fuel lines.



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