



SYSTEM #17350

2001-2003 CHEVROLET / GMC 1500 HD TRUCK
6.0L VORTEC ENGINE · CREW CAB / SHORT BED

09/14/09

Removal:

- 1) Raise the vehicle up on a hoist or rack to working height. If you do not have access to a hoist or rack raise the vehicle and support securely with jack stands.
- 2) Prior to cutting the inlet pipes, you may choose to cut the stock tailpipe off at the rear of the muffler. *This step is not mandatory, but it makes the removal of the system easier.*
- 3) Use a tape measure and make a mark on both inlet pipes 16" forward of the muffler end cap. Cut both the right and left side inlet pipes on the marks you have made. See the removal and installation diagram for a visual description of this step. Separate the two rubber hangers on the tailpipe, along with the hanger in front of the muffler from the rubber mounts on the vehicle and lower the assembly from under the vehicle. Using a file or grinder, debur the inlet pipes to allow smooth installation of the new muffler.

Installation:

- 1) Before installing anything, prep the clamps supplied in the hardware kit by removing the nuts, and applying a thick lubricant such as white grease or anti-seize to the threads.
- 2) Slip muffler **#530503-167** onto the front pipes and then place the hanger into the rubber mount. Slide the muffler forward until the hanger and the rubber mount are vertically straight up and down. Use a stand to support the muffler. You may have to put a stand under the right inlet pipe just behind the converter to allow the muffler to lay flat.
- 3) Raise tailpipe **#36021** into position by sliding it in from the rear of the axle forward and connect the hanger at the rear of the pipe to the rubber mount on the vehicle. Place the provided 3 1/2" ring clamp onto the outlet of the muffler and slide the front of the tailpipe into the muffler outlet. Connect the hanger just behind the muffler outlet to the rubber mount on the vehicle. Tighten the clamp just enough to hold in position.
- 4) Adjust the position of all muffler, pipes and tips to provide a satisfactory fit. Maintain a minimum of 3/4" clearance between the Flowmaster system, the drivetrain and chassis components, while also keeping suspension travel and vibration in mind. **Fully weld both muffler inlets.**

- 5) Tighten down all clamped connections securely. After the system is secure, slide the hanger keepers onto the ends of the muffler and tailpipe hangers. This will prevent the hangers from slipping out of the rubber mounts.

- 6) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help to prevent surface rust and premature corrosion.



Installation diagram for:
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