

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17350

**2001-03 CHEVY/ GMC 1500HD CREW CAB-SHORT BED TRUCK
6.0L VORTEC ENGINE**

Removal:

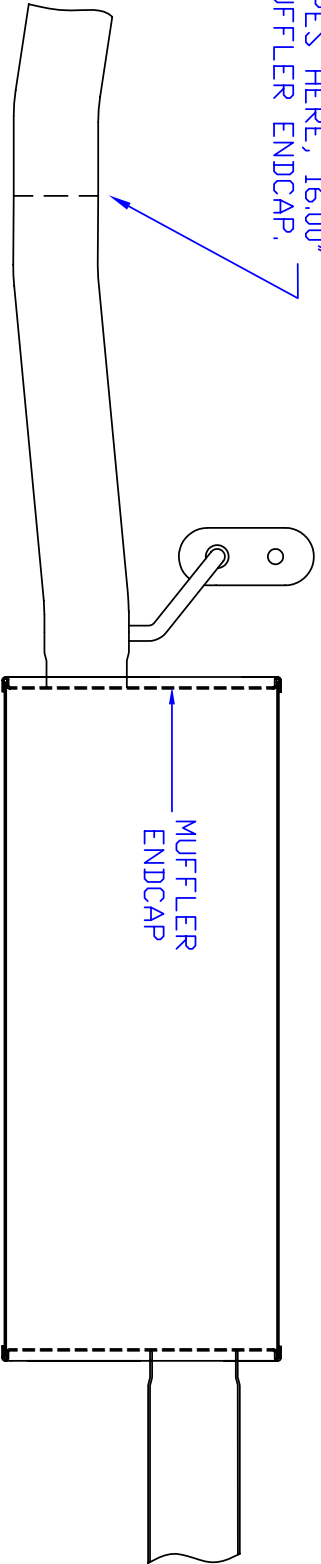
08/18/03

- 1) Raise the vehicle and support with jack stands. Place a stand under the muffler to support it when the tailpipe and inlet pipes are cut.
- 2) Use a tape measure and make a mark on both inlet pipes 16" from the muffler end cap. Cut both the right and left side inlet pipes on the marks you have made. Please be sure to measure twice and cut once to assure the pipes are cut correctly. 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 their rubber mounts on the vehicle and lower the assembly from under the vehicle, set aside. Using a file or grinder, debur the inlet pipes to allow smooth installation of the new muffler.
- 3) 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 a little easier.**

Installation:

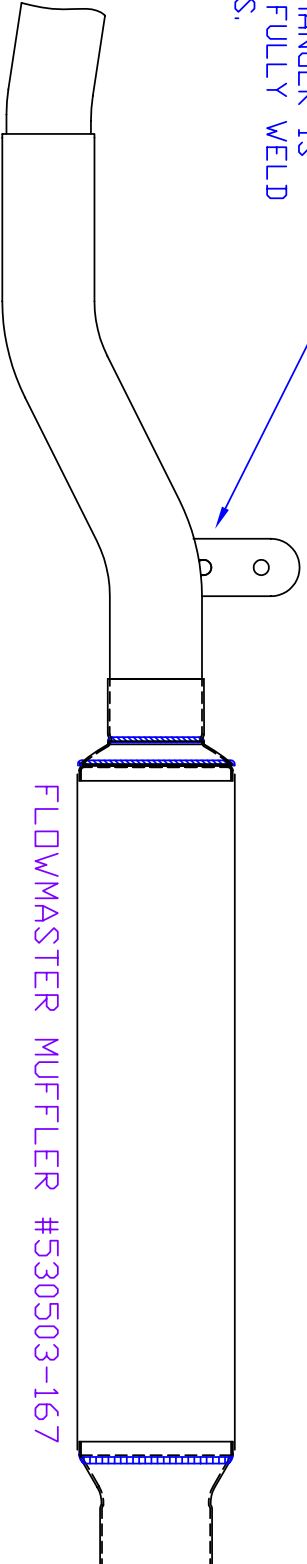
- 1) Slip muffler #530503-167 onto the front pipes, place the hanger into the rubber mount and slide the muffler forward until the hanger and the rubber mount are vertically straight up and down. (See diagram). Use a stand to support the muffler. You may have to put a stand under the right inlet pipe just behind the converter to allow the muffler to lay flat.
- 2) 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. **Note:** If the truck is a 2002 model, the clamp hanger will need to be loosened and slid approx. 4" back to line up with the rubber mount. 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, then connect the hanger just behind the muffler outlet to the rubber mount on the vehicle. Tighten the clamp enough to hold in place, but still allow for adjustment.
- 3) Adjust the position of the muffler and tailpipe to produce a satisfactory fit and adequate clearance. **A minimum clearance of 3/4"** should be maintained around all parts of the system, also keep suspension travel and vibration in mind. **Fully weld both muffler inlets.**
- 4) Tighten all clamps down securely. For a "cleaner" installation, the pipe connections may be welded rather than clamped. Place the provided hanger keepers onto the ends of the muffler and tailpipe hangers, these are provided to prevent the hangers from slipping out of the rubber mounts.

CUT BOTH INLET PIPES HERE, 16.00"
AWAY FROM THE MUFFLER ENDCAP.



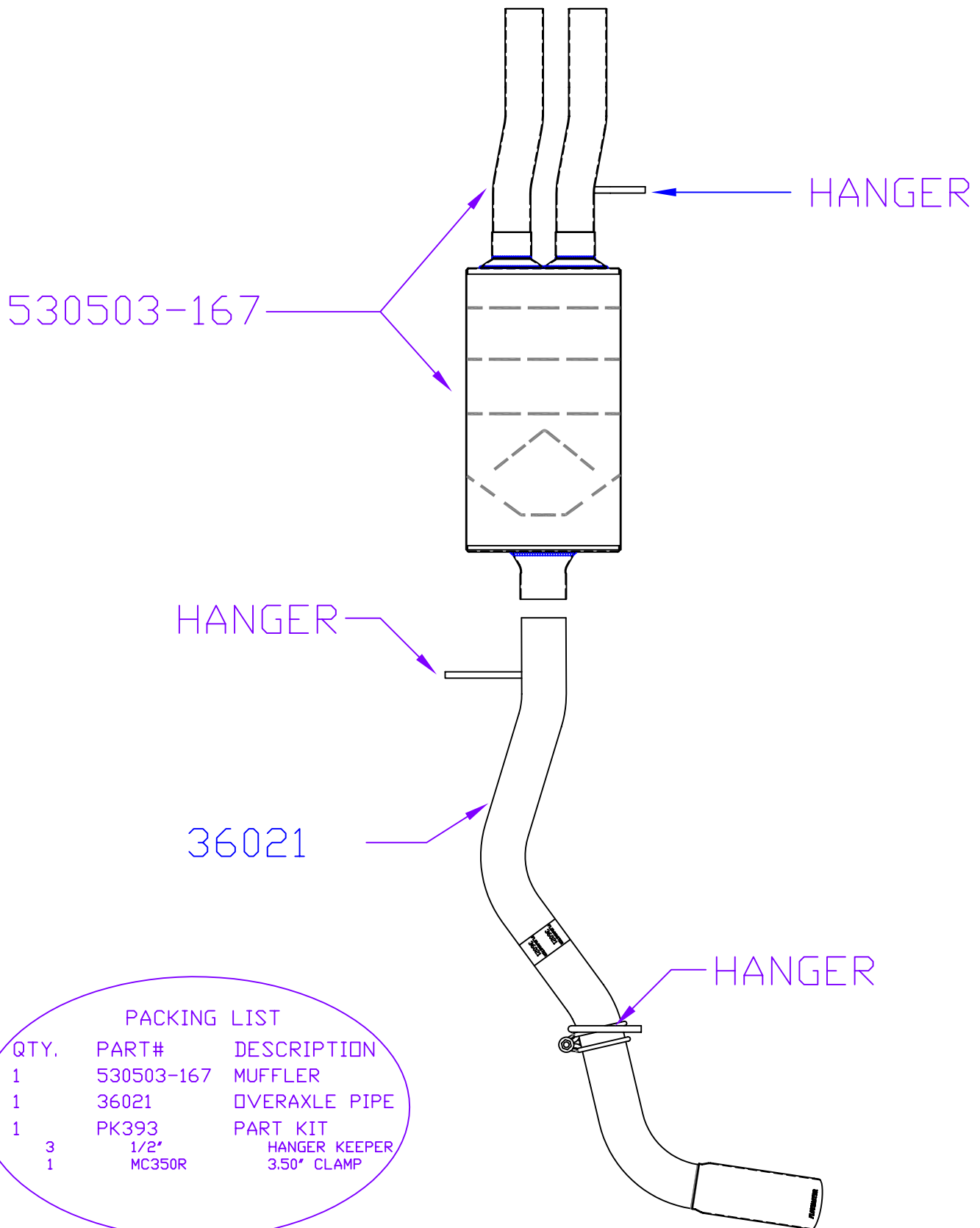
STOCK MUFFLER

ONCE CUT, SLIDE
DOWN UNTIL RUBBER HANGER IS
VERTICAL, CLAMP OR FULLY WELD
BOTH PIPES.



FLOWMASTER MUFFLER #530503-167

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 2001-2003 CHEVY/GMC 1500HD SERIES TRUCKS
 CREW CAB-SHORT BED
 6.0L VORTEC ENGINES



PACKING LIST

QTY.	PART#	DESCRIPTION
1	530503-167	MUFFLER
1	36021	OVERAXLE PIPE
1	PK393	PART KIT
3	1/2"	HANGER KEEPER
1	MC350R	3.50" CLAMP