



## SYSTEM #17436

2004-2006 CHEVROLET/GMC 1500 TRUCK (NON HD)

4.8L & 5.3L ENGINE • CREW CAB/5.5 FOOT BED

04/02/12

### 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) Using a hacksaw or sawsall, cut the stock tailpipe off where it exits the muffler. (This step is not mandatory, but it makes removal a little easier.) Separate the two wire hangers on the tailpipe from the rubber mounts on the vehicle. Remove the tailpipe and set aside.
- 3) Support the muffler with a stand and separate the wire hanger in front of the muffler from the rubber mount on the vehicle. Using a 15mm wrench, remove the two nuts at the flange connection behind the converter. Remove the muffler and set aside.

### Installation:

- 1) Place inlet pipe **#26143** into position behind the catalytic converter and connect the wire hanger on the pipe to the rubber mount on the frame. Re-install the two nuts back onto the flanged connection.
- 2) Place the provided 3" clamp **#MC300G** over the inlet of the muffler. Slide the inlet of muffler **#530562** onto the back of the inlet pipe. Use a stand to support the muffler. Tighten the clamp enough to hold in place, but still allow for adjustment.
- 3) Using the provided bolts, washers, nuts and backing plate **#HA566** provided, mount tailpipe hanger **#226HA** to the frame on the left side of the vehicle using the angled oblong hole on the frame rail. *(Note: The backing plates #HA566 go on both sides of the frame between the hanger, washers and bolts to cover the oblong holes so the frame hangers won't bend into oblong hole.)* Repeat this step on the right side of the vehicle using hanger **#227HA**; they both bolt in approximately the same position on either side of the vehicle. Slide rubber hanger **#HA168** onto the ends of both **#226HA** and **#227HA**. Remove the rubber hanger from the stock mount and discard.
- 4) Slide one of the supplied 2 1/2" clamps **#MC250S** over the right outlet of the muffler. Place tailpipe **#16521** into position over the rear axle and slide into the right muffler outlet. Connect the hanger that is welded to the rear of the pipe to the rubber hanger **#HA168** installed in Step 3. Pipe should be approximately 3/4" away from the shock when adjusted.

- 5) Place the left front section tailpipe **#16522** into position over the rear axle and slide into the left muffler outlet. Slide clamp **#MC250S** over the hydrosized pipe. Place the left rear section tailpipe **#16524** into front section tailpipe and connect the hanger welded to the rear of the pipe to the rubber hanger **#HA168**, installed in Step 3. Pipe should be centered between the shock and the spare tire when adjusted. Tighten the clamps on both pipes enough to hold, but still allow for adjustment.
- 6) Connect hanger **#323HA** (for 04-05 trucks) or hanger **#332HA** (for 06 trucks) to the rubber mount behind the muffler and clamp to the left side outlet muffler.
- 7) Slide either the side exit pipe **#16317** or rear exit pipe **#16397** onto the ends of both over axle pipes and place a 2 1/2" clamp onto these slip-fit connections. Tighten enough to hold in place, but still allow for adjustment. Rotate the exit pipe and tip to the desired distance from the fender or bumper, so that the angle cut on the tips are in the desired location.
- 8) Adjust the position of the tailpipe and muffler 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.
- 9) Tighten down all clamped connections securely. After the system is secure, slide the 1/2" hanger keepers onto the end of the inlet pipe and rear muffler hanger. Slide the 7/16" hanger keepers onto the rear tailpipe and frame hangers. This will prevent the hangers from slipping out of the rubber mounts.
- 10) To prevent the rear axle breather tube from contacting the left side tailpipe and possible being damaged, use the enclosed zip tie to fasten the rear axle breather tube to the brake line bracket, located on the frame. Be sure to allow enough slack in the hose for the suspension to fully compress and extend.
- 11) 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.

## PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part #</u>
1	Inlet Pipe	26143
1	Muffler	530562
1	Tailpipe, Right	16521
1	Tailpipe, Left Front	16522
1	Tailpipe, Left Rear	16524
2	Rear Exit pipes R/L	16397
2	Side Exit Pipes R/L	16317
2	Stainless Tips	ST396
1	Parts Kit	PK460
4	2 1/2" Clamps	MC250S
1	3" Clamp	MC300G
1	Frame Hanger, Left	226HA
1	Frame Hanger, Right	227HA
1	Rear Muffler Hanger (04-05)	323HA
1	Rear Muffler Hanger (2006)	332HA
4	Backing Plate	HA566
2	Rubber Hanger	HA168
2	3/8" Nuts	HW103
2	3/8" X 1 1/4" Bolts	HW209
2	3/8" Flat Washers	HW303
2	3/8" Lock Washers	HW309
4	7/16" Hanger Keepers	HW502
2	1/2" Hanger Keepers	HW503
1	Plastic Zip Tie	HW504



Installation diagram for:  
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