

FLOWMASTER™

American Thunder™

SYSTEM #17436

2004-06 CHEVROLET/GMC 1500 TRUCKS-(NON HD)

FITS: 4.8L & 5.3L CREWCAB/5.5 FOOT BED

Removal:

11/30/06

1. Raise the vehicle up on a hoist or jackstands and support securely.
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, then separate the wire hanger in front of the muffler from the rubber mount on the vehicle. Then 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" ring clamp #MC300R over the inlet of the muffler, then slide the inlet of muffler #530562 onto the back of the inlet pipe. Use a stand to support the muffler. Tighten ring clamp enough to hold in place but still allow for adjustment.
3. Using the bolts, washers, nuts and backing plate #HA566 provided, (*Note: the backing plates #HA566 go on both sides of the frame between the hanger, washers & bolts to cover the oblong holes so that the frame hangers won't bend into oblong hole*) mount tailpipe hanger #226HA to the frame on the left side of the vehicle using the angled oblong hole on the frame rail. 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.
4. Slide one of the supplied 2½" ring clamps #MC250R over the right outlet of the muffler; then 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 **approx. 3/4"** away from the shock when adjusted.
5. Place Left Front sec. tailpipe #16522 into position over the rear axle, and slide into the left muffler outlet. Then slide another Ring clamp #MC250R over hydrosizer on pipe, then place Left rear sec tailpipe #16524 into front sec. Tailpipe, and then 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 ring clamps on both pipes enough to hold, but allow for adjustment.
6. Connect hanger #323HA (**for 04-05 trucks**) or hanger #332HA (**for 2006 trucks**) to the rubber mount behind the muffler, and clamp to the left side outlet of muffler.

7. Then slide either the side exit pipe **#16317** or rear exit pipe **#16397** onto the ends of both over axle pipes and place a **2½" ring clamp** onto these slip-fit connections, tighten enough to hold but still allow for adjustment. Place the two stainless tips **#ST396** onto the exit pipes and tighten the hose clamps enough to hold 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. We highly recommend welding the tip to the exit pipe to prevent possible slippage and loss of the tip.
8. Adjust the position of all pipes and muffler to provide a satisfactory fit. **A minimum 3/4" of clearance** around all parts of the system must be maintained; while also keeping suspension travel and vibration in mind.
9. Tighten all clamped connections down securely. For a "cleaner" appearance, connections may be welded and the clamps removed. Place the supplied **1/2" hanger keepers** onto the end of the inlet pipe and rear muffler hanger, also slide the **7/16" hanger keepers** on to the rear tailpipe and frame hangers, slide them up to the rubber mounts to firmly hold the system in place.
10. To prevent the rear axle breather tube from contacting the left side tailpipe, and possibly 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.

PACKING LIST

Qty.	Description	Part #
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	MC250R
1	3" Clamp	MC300R
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 1¼" Bolts	HW209
2	3/8" Flat Washers	HW303
2	3/8" Lock Washers	HW309
4	7/16" Hanger Keepers	HW502
2	½" Hanger Keepers	HW503
1	Plastic Zip Tie	HW504

FLOWMASTER AMERICAN THUNDER SYSTEM #17436

2004-06 CHEVROLET/GMC 1500 TRUCKS-(NON HD)

FITS: 4.8L & 5.3L CREWCAB/5.5 FOOT BED

