

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17189

**1996-99 CHEVROLET/GMC, C/K 1500 TRUCKS 4.3L/5.0L ENGINE
141" W.B. EXTENDED CAB, SHORT BED - 4WD
STAINLESS REAR EXIT TAILPIPES**

Removal:

7/23/04

1. Raise the vehicle and support with 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.)**
3. Separate the two wire hangers on the tailpipe from the rubber mounts on the vehicle. Remove the tailpipe and set aside.
4. Support the muffler with a stand, then separate the wire hanger from the rubber mount in front of the muffler.
5. Remove the two nuts at the muffler to cat flange connection. Remove the muffler and set aside.

Installation:

1. Place inlet pipe assembly #26050 in position behind the flange that is welded to the back of the catalytic converters. Be sure to install gasket #GA104 in between the two flanges. Connect the wire hanger to its rubber mount, and re-install the factory nuts on the flange connection. Slip the supplied ½" hanger keeper onto the end of the hanger and up to the rubber mount.
2. Connect the inlet of muffler #530702 to the inlet pipe. Use a stand to support the muffler, and install a 3" clamp, but do not tighten yet.
3. Using the bolts, washers, and nuts provided, mount tailpipe hanger #166HA to the frame rail on the left side of the vehicle. Also replace the stock hanger on the right side with a second 166HA. They both bolt in the same location on both sides of the vehicle. Also place the rubber hanger mounts #HA168 onto bottom of frame hanger.
4. Place tailpipe #16313 in position over the rear axle, and slip into the right side muffler outlet. Install the hanger welded to the front of the tailpipe into the stock rubber mount behind the muffler and the rear hanger into rubber hanger #HA168.
5. Place tailpipe #16312 in position over the rear axle, and slip into the left side muffler outlet. Install the hanger welded to the tailpipe into rubber mount #HA168.

6. Connect exit pipes #16397 onto the ends of both tailpipes and place a provided 2 ½" clamp onto these connections, tighten enough to hold in place but still allow for adjustment. Then place the two stainless tips onto the exit pipes and tighten hose clamps enough to hold but still allow for adjustment. Rotate the exit pipe and tip to the desired distance from the bumper, and so angle cut on tips is in desired location.
7. 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.
8. Tighten all clamped connections down securely. For a "cleaner" appearance, connections may be welded and the clamps removed. Place the supplied 7/16" hanger keepers onto the end of the over axle and tailpipe hangers, and slide them up to the rubber mount to firmly hold the system in place.
9. To prevent the rear axle breather tube from contacting the left side tailpipe, and possibly being damaged, use enclosed (ZIPTIE) to fasten rear axle breather tube to the brake line **bracket** located on the frame.

**NOTE: FLOWMASTER STRONGLY RECOMMENDS WELDING
ALL SLIP-FIT CONNECTIONS.**

PACKING LIST		
<u>Qty.</u>	<u>Description</u>	<u>Part #</u>
1	Inlet pipe assembly	26050
1	Muffler	530702
1	Tailpipe, Right	16313
1	Tailpipe, Left	16312
2	Rear Exit Pipe (R/L)	16397
2	3" Stainless tip	ST396
1	Gasket	GA104
1	Parts kit	PK364
2	Rubber hanger	HA168
2	Hanger mounting bracket	166HA
4	2 1/2" clamps	MC250S
1	3" clamp	MC300G
4	3/8" X 1" bolts	
4	3/8" nuts	
4	3/8" lock washers	
4	3/8" flat washers	
1	plastic ziptie	
5	7/16" hanger keepers	
1	1/2" hanger keepers	

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141" W.B. EXTENDED CAB, SHORT BED (4WD ONLY)
STAINLESS REAR EXIT TAILPIPES*

