

FLOWMASTER

AMERICAN THUNDER™

SYSTEM #17419

2004-2006 CHEVROLET TAHOE/GMC YUKON
4.8L & 5.3L ENGINE

01/23/06

Removal:

- 1) Raise the vehicle and support securely with stands.
- 2) Support the muffler with a stand, then using a hacksaw or sawsall, cut the stock inlet pipe just in front of the muffler. Separate the two wire hangers on the tailpipe from the rubber mounts on the vehicle and remove the muffler and tailpipe from the vehicle.
- 3) Using a 15mm wrench, remove the two nuts at the flanged connection behind the converter, then separate the wire hanger from the rubber mount on the frame and lower the inlet pipe from the vehicle.

Installation:

- 1) Place inlet pipe assembly **#26246** in position behind the flange that is welded to the back of the catalytic converters. Connect the wire hanger to its rubber mount, and re-install the factory nuts on the flange connection.
- 2) Connect the inlet of muffler **#530562** to the inlet pipe. Use a stand to support the muffler.
- 3) Look at the top rear shock mount through the wheel opening on the driver's side of the vehicle. You will see a 1/2x3/4" hole through the shock mount. This hole is where hanger **#312HA** will be mounted. Place a provided 3/8" flat washer onto the 3/8" bolt and from the bottom of the shock mount; push the bolt through the hole from the inside out. Place hanger **#312HA** with the hanger rod facing outward onto the bolt and secure with the provided washer, lock washer and nut. Make sure the hanger is straight up and down then tighten securely. Place rubber hanger **#HA168** onto the bottom of frame hanger **#312HA**.
- 4) Look at the rear end housing at the top; you should see a bracket bolted to it holding the brake lines. Unbolt the brake line from the bracket then unbolt the bracket from the rear end housing. Then take Flowmaster's bracket **#HA594** and bolt the longer end to the rear end housing using the original bolt. Then take the **5/16" bolt, washer, lock washer and nut** and fasten brake lines to the new bracket. This should move your brake lines forward about **1"** to assure clearance from tailpipe.
- 5) Place right side tailpipe **#16417** into position over the axle and slip into the right side muffler outlet. Connect the hanger at the rear of the pipe to the rubber mount on the vehicle. Install a provided **2 1/2" clamp** onto the muffler outlet, tighten enough to hold but still allow for adjustment.
- 6) Place the front section of the left side tailpipe **#16508** into the left side muffler outlet and

connect the hanger on the pipe to the rubber mount on the vehicle. Place a provided **2½"** **clamp** onto the muffler outlet, tighten enough to hold but still allow adjustment.

- 7) Connect the rear section of the left side tailpipe **#16510** onto the back of the front section by sliding the two sections together at the slip-fit connection over the rear axle. Then place the hanger at the rear of the tailpipe into the rubber mount installed in step 3 above. Install a provided **2 ½" clamp** onto the over-axle slip-fit connection. Tighten enough to hold but still allow adjustment.
- 8) Then slide the exit pipe **#16317** for the right/left side and slide the stainless tip **#ST396** onto the ends of the exit pipes **#16317**. Rotate the stainless tips to the desired distance from the fender. Place a **2½" clamp** onto these slip-fit connections, tighten enough to hold in place but still allow for adjustment also tighten clamp on tips.
- 9) Adjust the position of all the pipes and muffler to provide a satisfactory fit. **A minimum of 3/4" clearance** around all parts of the system must be maintained; while keeping suspension travel and vibration in mind. After adjustments have been made, you may now securely tighten all clamps. For a cleaner appearance, connections can be welded and the clamps removed.
- 10) After the system is secure, slide the **1/2" hanger keeper** onto the end of the hanger welded to the inlet pipe assembly and the **7/16" hanger keepers** onto the ends of the hangers at the rear of the vehicle. These keepers will prevent the wire hangers from slipping out of the rubber mounts.

PACKING LIST FOR KIT #17419

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
1	Inlet Pipe	26246
1	Muffler	530562
1	Right Tailpipe	16417
1	Left Tailpipe, Front	16508
1	Left Tailpipe, Rear	16510
2	Side exit pipe (R/L)	16317
2	Stainless tips	ST396
1	Parts Kit	PK454
1	Frame Hanger, Rear	312HA
1	Bracket Hanger	HA594
1	Rubber Hanger	HA168
1	3" Clamp	MC300G
5	2 ½' Clamp	MC250R
1	5/16" x ¾" Bolt	HW203
1	5/16" Flat Washer	HW302
1	5/16" Lock Washer	HW308
1	5/16" Nut	HW102
1	3/8" x 1.00" Bolt	HW208
1	3/8" Flat Washer	HW303
1	3/8" Lock Washer	HW309
1	3/8" Nut	HW103
1	½" Hanger Keeper	HW503
4	7/16" Hanger Keeper	HW502

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