



Installation Instructions

818192

1988-93 Chevrolet & GMC Trucks

½ or ¾ Ton LD Chassis

5.7L Engine 2WD/4WD

For vehicles with Slip fit Catalytic Converter



Installation requires moderate mechanical skill. If this job is beyond your abilities, seek the services of a qualified technician.

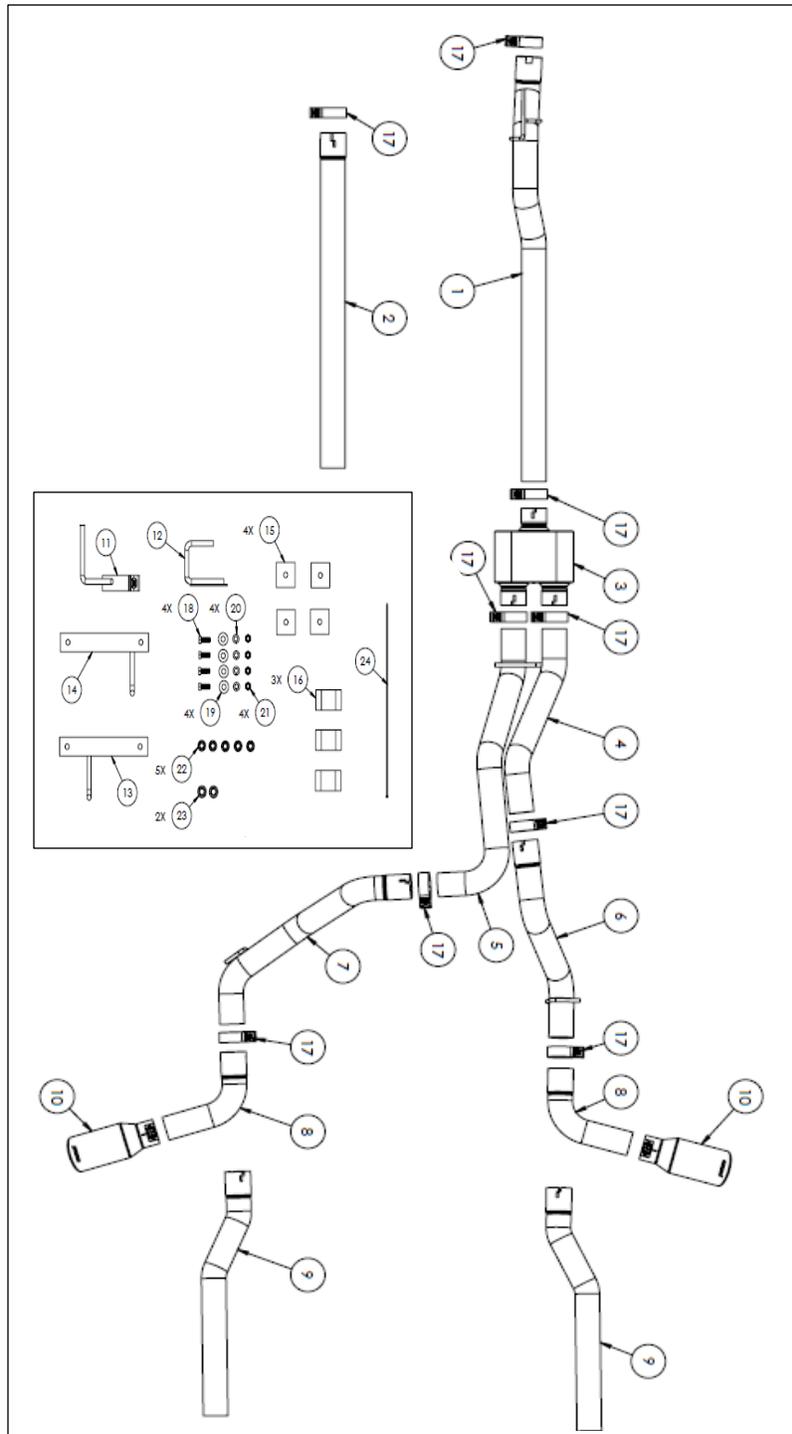
If you do not understand any part of these instructions, please call Flowmaster Technical Support at (866) 464-6553 for assistance.

Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

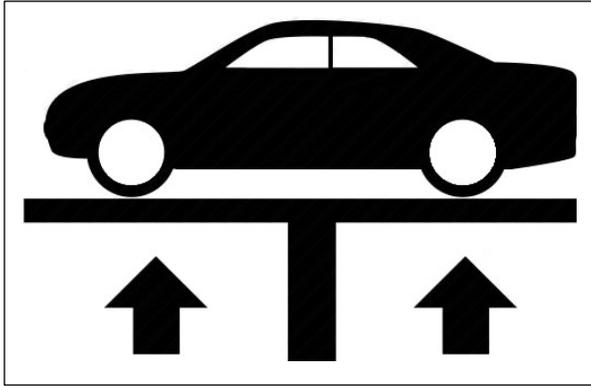
REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

Take a moment to read and understand these instructions before installing your Flowmaster exhaust kit.

ITM#	Part #	Description	Qty.
1	26974S	Inlet pipe	1
2	26975S	Extension Pipe	1
3	8430155-Z	Outlaw Muffler	1
4	26968S	Right Muffler Outlet Pipe	1
5	26969S	Left Muffler Outlet Pipe	1
6	26970S	Right Tail Pipe	1
7	26971S	Left Tail Pipe	1
8	26972S	Side Exit Pipe	2
9	26973S	Rear Exit Pipe	2
10	ST509B	4.5" Black ceramic tip	2
11	544HA	Clamp Hanger	1
12	543HA	Muffler Frame Hanger	1
13	541HA	Right Rear Frame Hanger	1
14	542HA	Left Rear Frame Hanger	1
15	HA566	Rear Frame Hanger Back up plate	4
16	HA168	Red Rubber Exhaust Hanger	3
17	MC300BS	3" Band Clamp	8
18	HW208	3/8-16 X 1" Hex Bolt	4
19	HW303	3/8 Flat Washer	4
20	HW309	3/8 Lock Washer	4
21	HW103	3/8-16 Nut	4
22	HW502	7/16" Push Nut	5
23	HW503	½" Push Nut	2
24	HW505	Cable Tie	1



Use the parts drawing and list to identify components and verify your kit's contents. In the unlikely event that any parts are missing, please contact Flowmaster Technical Support for replacements.



Vehicle Compatibility

Model Year: **1988-1993 (With No flange at Catalytic Converter)**

Make: **Chevrolet/GMC**

Model: **Silverado/ Sierra 1500 / 2500 LD / 2 & 4WD**

Single Cab Short Bed, Single Cab Long Bed

Ext Cab Short Bed, Ext Cab Long Bed

Engine: **5.7L V8**

- *** Will not work with 2500 HD CHASSIS**
- *** Will not work with Flanged Catalytic Converters**
- **Tail pipe will fit up to 265/75-16 spare tire.**
- **Side exit and Rear exit tail pipe configurations included.**

BEFORE STARTING:

Raise the vehicle to a minimum of eighteen inches. A floor hoist is ideal. If no hoist is available, we strongly urge the use of axle stands as a safety measure. **Please read and understand these instructions and disclaimer in their entirety before attempting installation.**

CAUTION! WORK ONLY ON A LEVEL SURFACE. USE JACKS /JACK STANDS OF SUFFICIENT CAPACITY TO LIFT AND SUPPORT YOUR VEHICLE. NEVER WORK UNDER A VEHICLE SUPPORTED BY A FLOOR OR BUMPER JACK.

Removing the OEM Exhaust

NOTE: Cutting factory exhaust is necessary in some applications. Please read and follow all instructions before attempting to install this exhaust system.

1. Apply penetrating oil to each rubber hanger on the exhaust.
2. Support the exhaust assembly before making cuts.
3. Cut the factory tail pipe just after the muffler.
4. Remove tail pipe(s) from the vehicle.
5. Remove the clamp from the slip joint at the catalytic converter. **Fig.1**
6. Remove the OEM frame hanger assembly at the catalytic converter. **Fig.1**
7. Remove the (x2) 15mm bolts (save for reuse) at the OEM muffler frame hanger assembly at the rear of the muffler.
8. Remove the rear tailpipe hanger assembly from the frame rail just behind the rear tire.
9. Remove the muffler and inlet pipe from the catalytic converter.

NOTE: Heating the slip joint and or scoring the pipe at the slip joint will most likely be necessary to remove the OEM pipe from the catalytic converter. Take care not to cut the outlet pipe of the catalytic converter.

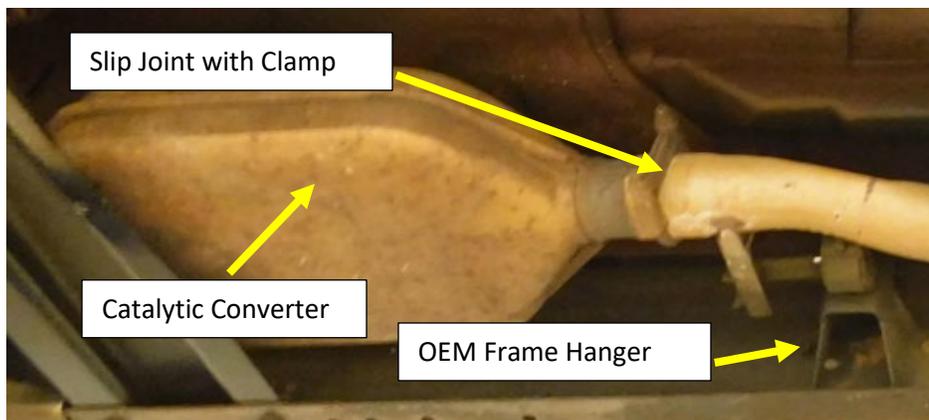


Figure.1

Install your Flowmaster Exhaust System



Before installing clamps in the following steps, remove their nuts, apply anti-seize compound to the bolt threads, and re-install the nuts.

Important: If trimming Muffler extension pipe is required, Measure from the end opposite the expanded and notched section. **Figure.2**

Muffler Inlet and Extension Pipe Reference

Wheelbase	Body Style	Bed Length	Muffler Inlet Pipe Configuration	Trim Requirement
117.5"	Single cab	6.5'	26975S Extension Pipe only	Trim 13.5" from Extension
131.5"	Single Cab	8'	26975S Extension Pipe only	No trim from Extension
141.5"	Ext Cab	6.5'	26974S Inlet pipe only	No Extension
155.5"	Ext Cab	8'	26974S Inlet pipe + 26975s Extension	Trim 24.5" from Extension

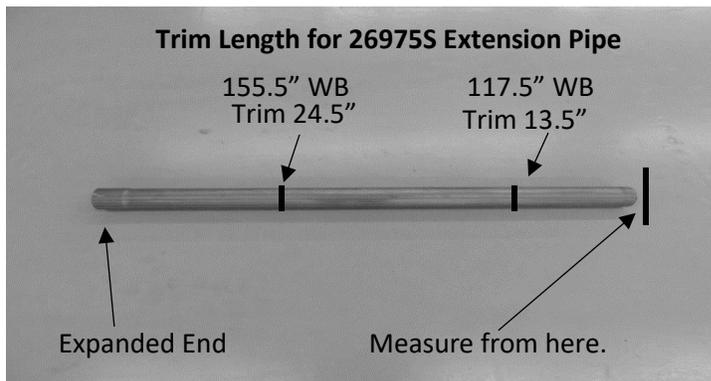


Figure.2



Figure.3

Installation Continued

Important: Is your catalytic converter resting on the crossmember??

- **Recommended:** Replace the transmission mount and donut gaskets between the exhaust manifolds and down pipe with quality replacement parts prior to the installation of this exhaust. This will prevent leaks at the manifold and rattles from the catalytic converter contacting the transmission cross member due to aging and worn parts.
1. Install the correct inlet and extension pipe configuration for your application. **Ref page .3**
 2. Install a 3" band clamp **(17)** on to the expanded end of the inlet or extension pipe.
 3. Install the inlet or extension pipe on to the outlet of the catalytic converter, be sure to align the square notch in the expanded end of the tube to the tab located on the catalytic converter.
Note: If the tab is missing, alignment of the muffler inlet tube will need to be done to prevent the tube from contacting the underside of the cab or crossmember. Tighten the clamp.
 4. Install the OEM frame hanger between the catalytic converter and muffler. **Fig.4 /Fig.5**
 - 117 and 131" wheelbase will use the clamp hanger **(11)** on the extension pipe **(2)** with OEM frame hanger. **Fig.4**
 - 141" wheelbase will use the inlet pipe **(1)** and OEM frame hanger at the catalytic converter. **Fig.5**
 - 155" wheel base will use the Inlet pipe **(1)** OEM frame hanger at the catalytic converter and clamp Hanger **(11)**. **Fig.5**

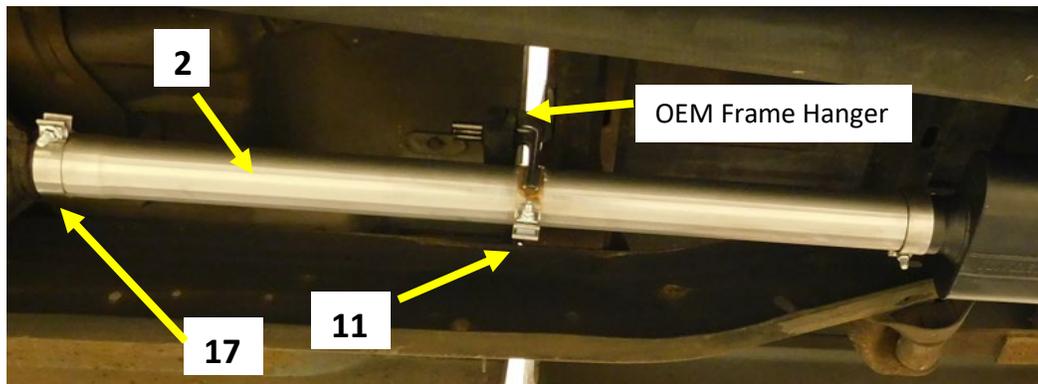


Figure.4



Figure.5

Installation Continued

5. Install the supplied tail pipe frame hangers 541HA **(13)** Right and 542HA **(14)** Left on to the frame rails just behind the rear tire using the existing holes in the frame, Supplied 3/8 hardware and the square backing plates on the inside of the frame. Install the supplied red rubber Isolators **(16)**. **Fig.6, Fig.7**
6. Install the supplied muffler frame hanger 543HA **(12)** at the location over the rear of the muffler using the (2x) 15mm bolts that were removed from the OEM muffler hanger. **Fig.8**
- 7.

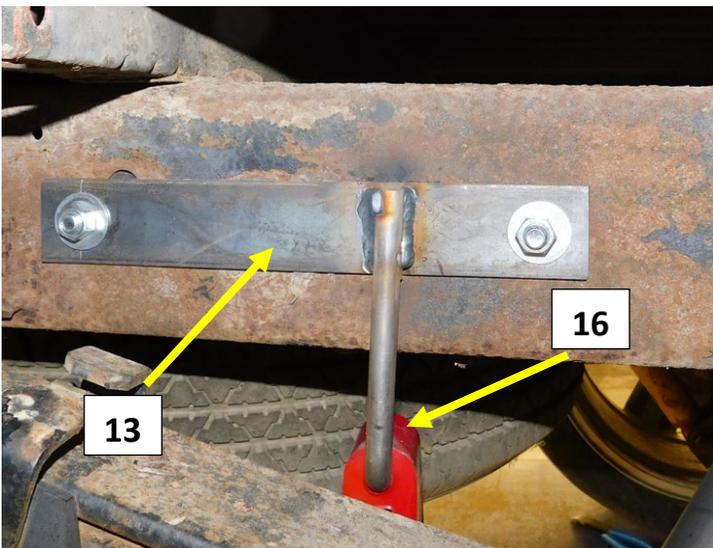


Figure.6

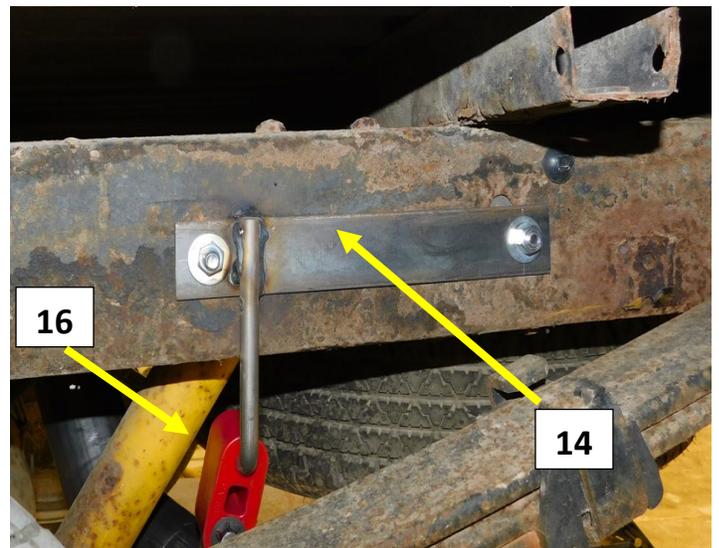


Figure.7

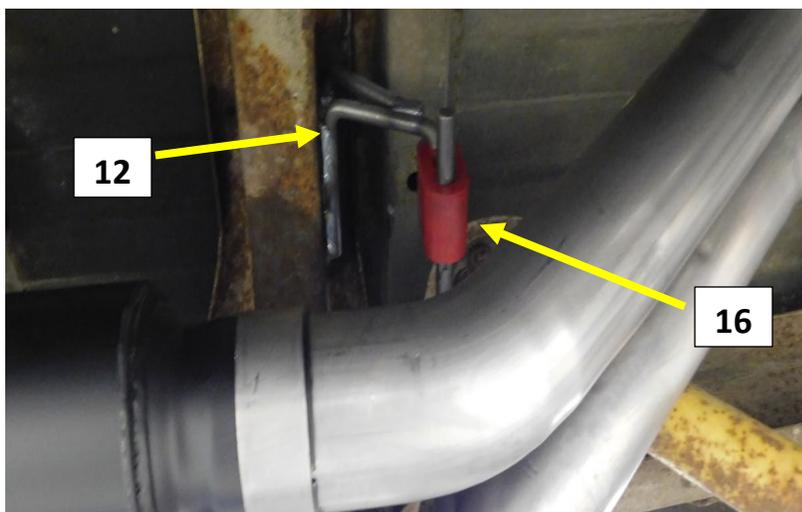


Figure.8

Installation Continued

8. Install a 3" band clamp (17) on to the muffler inlet and each of the muffler outlets. **Fig.9**
9. Install the muffler (3) on to the inlet /extension pipe. **Fig.9**
10. Install the red rubber Isolator on to the right muffler outlet pipe hanger rod.
Note: lubricate the hanger rod with grease or spray lubricant prior to installing the rubber hanger.
11. Install the red tail pipe hanger on to the muffler frame hanger and insert the pipe into the muffler **Fig.10** Tighten the clamp to allow for adjustment. Adjust the pipe for 1" to 1.5" clearance on the shock. Tighten the clamp. **Fig.10, Fig.11**
12. Install the left muffler outlet pipe (5) into the muffler. Rotate the pipe up to within ¼" of the right muffler outlet pipe and tighten the clamp. **Fig.10, Fig. 11**

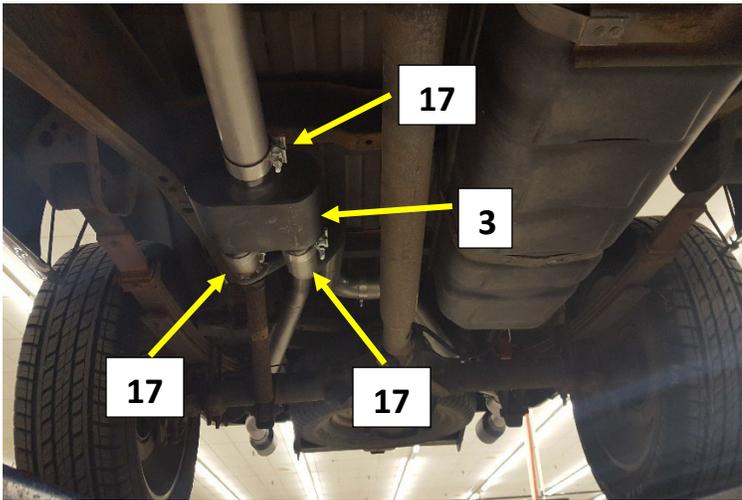


Figure.9

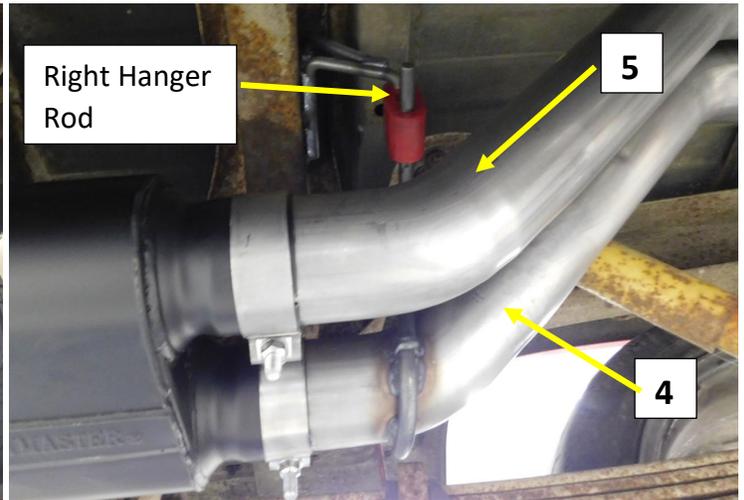


Figure.10

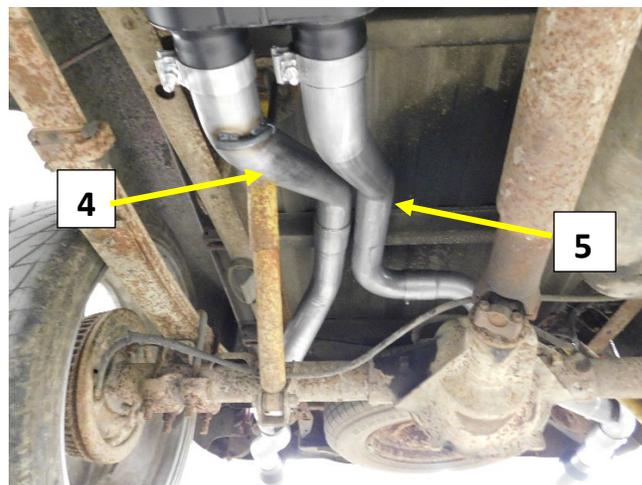


Figure. 11

Installation Continued

13. Install a 3" band clamp (17) on to each of the right (6) and left (7) tail pipe expanded ends. **Fig.12**
14. Install the right tail pipe (6) expanded end on to the right muffler outlet pipe (4) over the axel. Insert the tail pipe hanger rod into the red hanger at the rear frame hanger. Tighten the clamp to allow for adjustment. **Fig.12**
15. Install the left tail pipe (7) on to the left muffler outlet pipe (5) directly over the differential. Insert the tail pipe hanger rod into the red hanger at the rear frame hanger. Tighten the clamp to allow for adjustment. Adjust the tail pipe for approximately 3/8" clearance at the left shock if the vehicle is on a 2-post lift with the wheels at full extension. Adjust for 1" clearance if the tires are on the ground or 4 post lift and the vehicle is at ride height. **Fig.12**

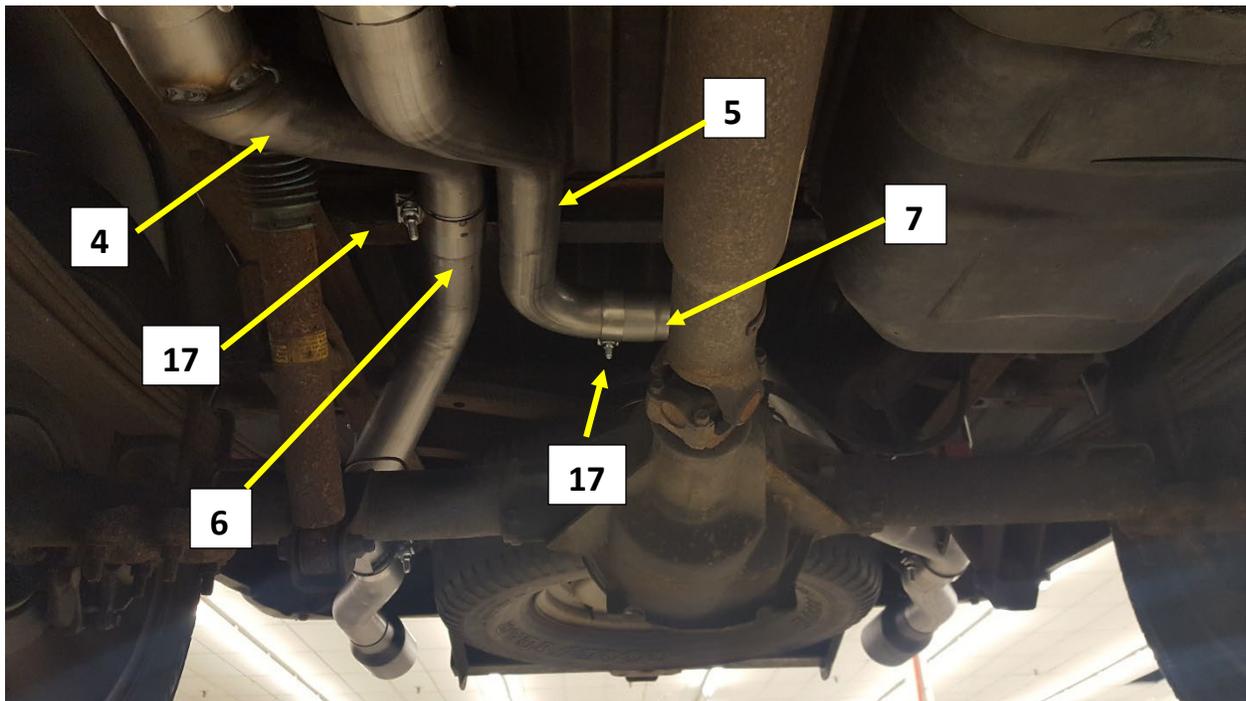


Figure.12

Installation Continued

Installing the Tail Pipe Extensions and Tips

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This Flowmaster exhaust kit has been designed to have the exhaust tips exit either out under the rear bumper or exit out the side behind the rear tire. Both tail pipe extension options are supplied in this kit (See parts diagram and parts list).

Side exit configuration- No trimming is required.

1. Install the 26972S side exit pipes **(8)** on to the left and right tail pipes. Install a 3" band clamp **(17)** on to the pipes with the bolt at the top and the nut facing the inside. Tighten the clamp to allow for adjustment. **Fig.13**
2. Install the supplied tip and adjust to personal preference before tightening the clamps on the exit pipe and tip. **Fig.13**

Rear exit configuration – Requires trimming of the extension for bed length and personal preference. **Long bed** – Start with No trim / **Short bed** -Start with 8.5" trim.

1. Install a 3" Band clamp **(17)** on to the expanded end of the 26973S tail pipe extension **(9)**. Install the extension pipes on to the tail pipes and tighten the clamps to allow for adjustment.
2. Install the supplied tip and adjust to personal preference before tightening the clamps on the exit pipe and tip. **Fig.14**

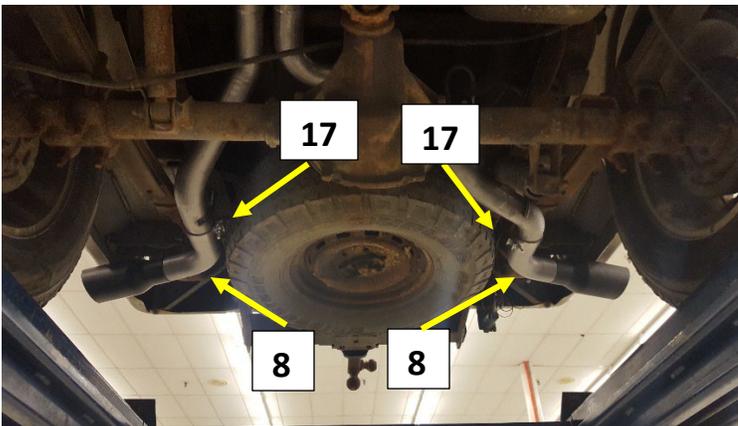


Figure.13

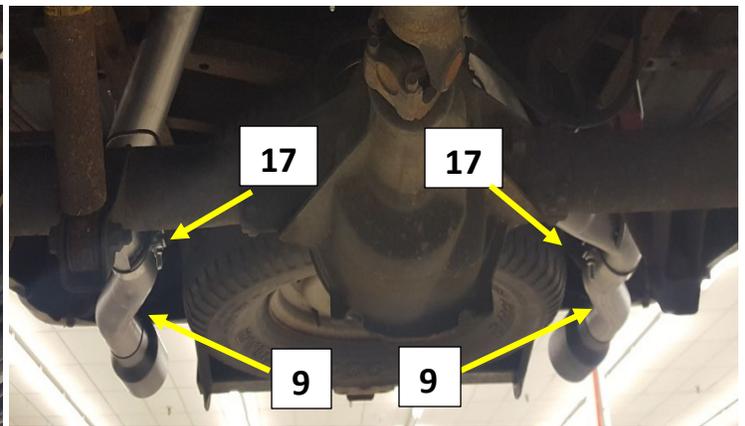


Figure.14

Installation Continued

16. Align and adjust the system for best fit and component clearance starting at the front and working your way to the rear. Tighten the band clamps and all hardware as you go. Readjusting of components may be necessary after the first pass through the system.
17. Install the supplied push clips **(22)** **(23)** on to the hanger rods after all adjustments, this will prevent the system from moving after adjustment.



Enjoy Your Flowmaster Exhaust!

