



Installation Instructions

818189

1996-99 GM Silverado/Sierra 1500
5.7L Engine 2WD/4WD



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.

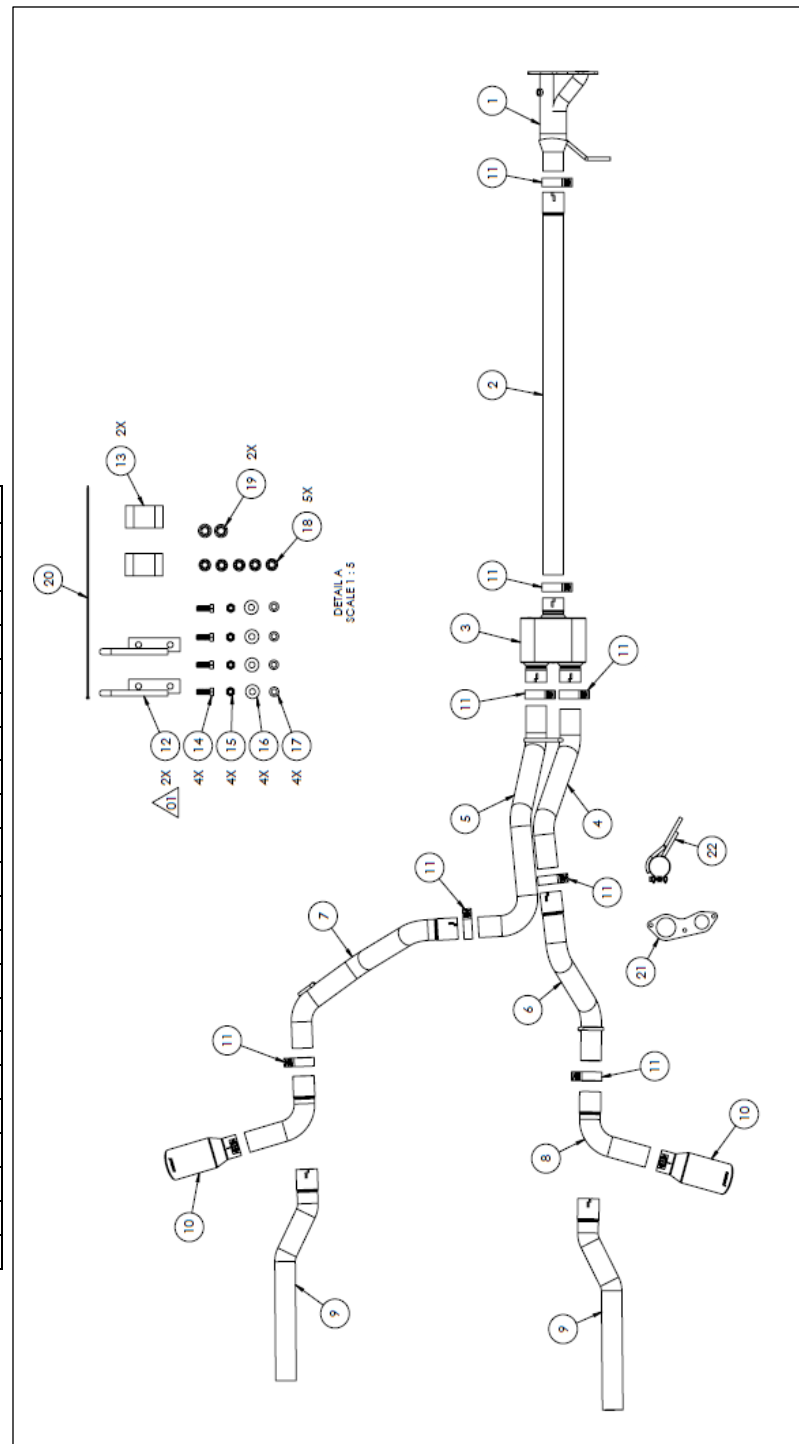
Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

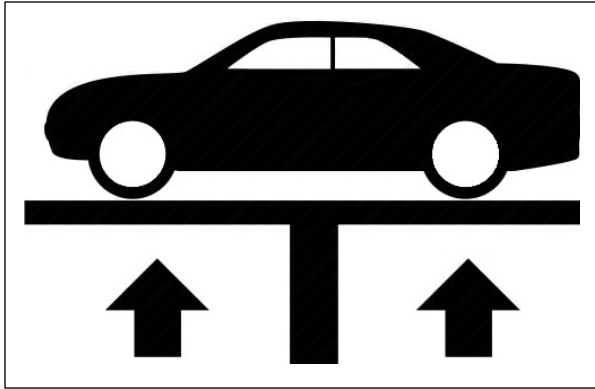
REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

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

ITM#	Part #	Description	Qty.
1	86777S	Inlet pipe	1
2	TB959S	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	MC300BS	3" Band Clamp	8
12	166HA	Frame hanger bracket	2
13	HA168	Red Rubber Isolator	2
14	HW208	3/8-16 X 1" Hex Bolt	4
15	HW103	3/8-16 Nut	4
16	HW303	3/8 Flat Washer	4
17	HW309	3/8 Lock Washer	4
18	HW502	7/16" Push Nut	5
19	HW503	1/2" Push Nut	2
20	HW505	Cable Tie	1
21	GA105	Flange Gasket	1
22	540HA	3" Clamp Hanger	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: 1996-1999

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
- 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 exhaust just after the muffler.
4. Remove the (x3) 15mm nuts at the flange just past the catalytic converter. **Figure.1**
Note: Heating the nuts with a torch may be necessary to prevent the studs from breaking. If the studs do break they can be driven out of the flange with a punch and large hammer. Replace broken studs with service parts or 3/8-16 x 1.25 Hex bolts and flanged nuts available at your local auto parts store.
5. Remove tail pipe(s) from the vehicle.
6. Remove the muffler and inlet pipe from the vehicle.
7. Remove the rear tailpipe hanger assembly from the frame rail just behind the rear tire. It will not be used.

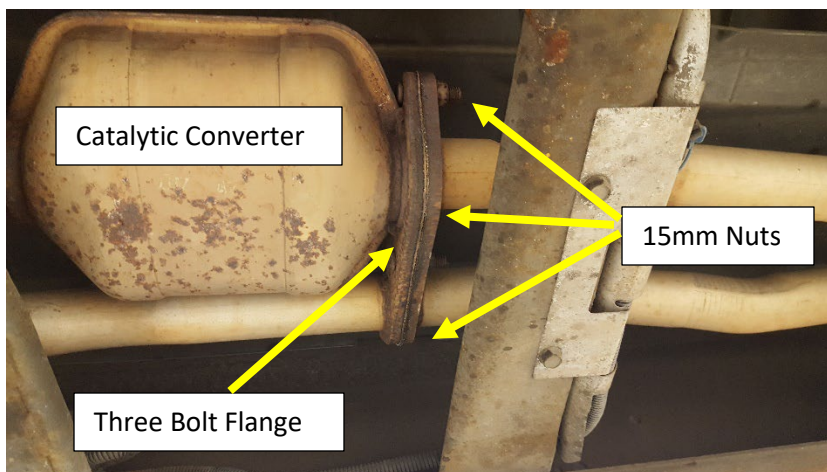


Figure.1

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 Extension Pipe Reference Chart

Wheelbase	Body Style	Bed Length	Extension pipe	Trim Requirement
117.5"	Single cab	6.5'	YES	Trim 38" From Extension
131.5"	Single Cab	8'	YES	Trim 24" From Extension
141.5"	Ext Cab	6.5'	YES	Trim 14" From Extension
155.5"	Ext Cab	8'	YES	None

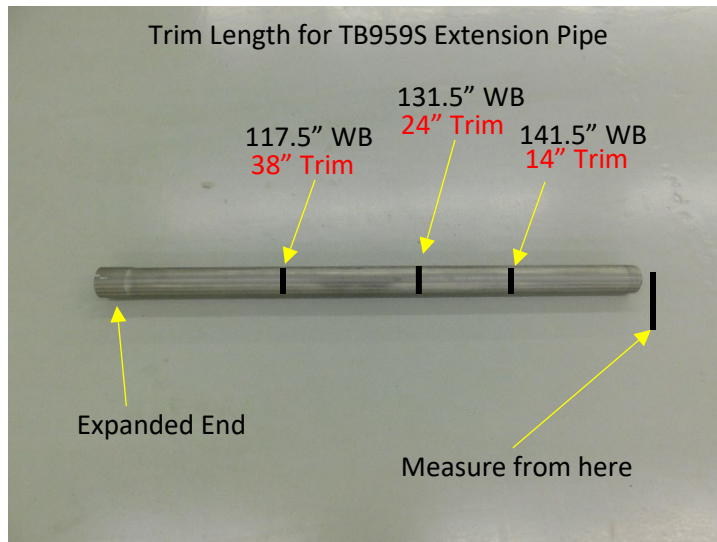


Figure.2

Installation Continued

1. Install the supplied 2-hole flange gasket **(21)** at the 3 bolt catalytic converter flange .
Note: Clean all the old gasket material from the flange. **Fig.3**
2. Install the Inlet pipe assembly **(1)** on to the 3 bolt Catalytic converter flange. Install the OEM M10 x 1.5 nuts and tighten. **Fig.3**

Attention: Only 117.5" (SC/SB) wheelbase vehicle will use the hanger rod on the inlet pipe assembly. All other wheelbase vehicles will use the Clamp hanger assembly supplied in the kit.

3. Install the OEM post catalyst o2 sensor into the Flowmaster Muffler Inlet pipe and connect the harness. **Note:** Apply a small amount of anti-seize to the threads.
4. Use the extension pipe reference chart to determine the correct cut length for your wheelbase vehicle. Trim the extension pipe as shown in **Fig.2**
5. Install a supplied 3" band clamp **(11)** on to the expanded end of the extension pipe.
6. Install the extension pipe on to the outlet of the extension pipe **(1)** and tighten the band clamp. **Fig.3** * **Double check it is the correct length for your application.**
7. Install the supplied Clamp hanger **(22)** on to the extension pipe with the bolt toward the drive shaft and the nut facing down and align with the frame hanger. **Except 117' WB**
8. Install a 3" band clamp **(11)** on to the inlet of the muffler.
9. Install the muffler **(3)** on to the extension pipe and tighten the clamp to allow for adjustment. Rotate the muffler to be level and tighten the clamp.

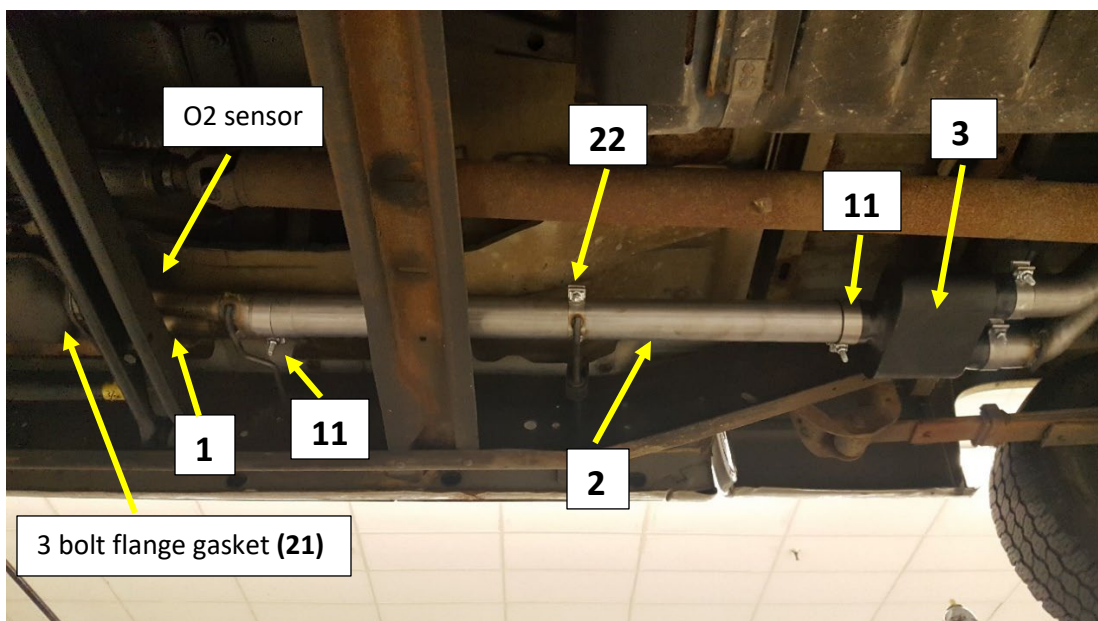


Figure.3

Installation Continued

10. Install the supplied tail pipe frame hangers 166HA (12) on to the frame rails just behind the rear tire. Install the supplied red rubber Isolators. **Fig.4**

Note: The right-side Flowmaster frame hanger (12) will use the OEM location and (x2) M10 X 1.5 bolts that were removed from the factory tail pipe hanger assembly. The left Flowmaster frame hanger (12) will install in the same location on the driver's side frame using the supplied (14) 3/8-16 x1" bolts, (16) Flat washers, (17) Split washers and (15) 3/8-16 nuts. **Fig.4**

11. Install a 3" band clamp (11) on to each of the Muffler outlets. **Fig.5**
12. Install the right muffler outlet pipe (4) hanger rod into the OEM rubber isolator, insert the pipe into the muffler **Fig.6/ Fig.7**. Tighten the clamp to allow for adjustment. Adjust the pipe for 1" to 1.5" clearance on the shock. Tighten the clamp. **Fig.6**
13. 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.7**

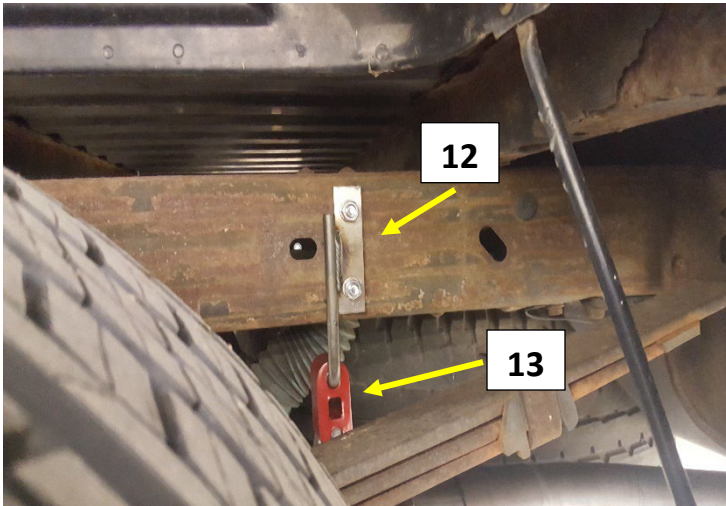


Figure.4

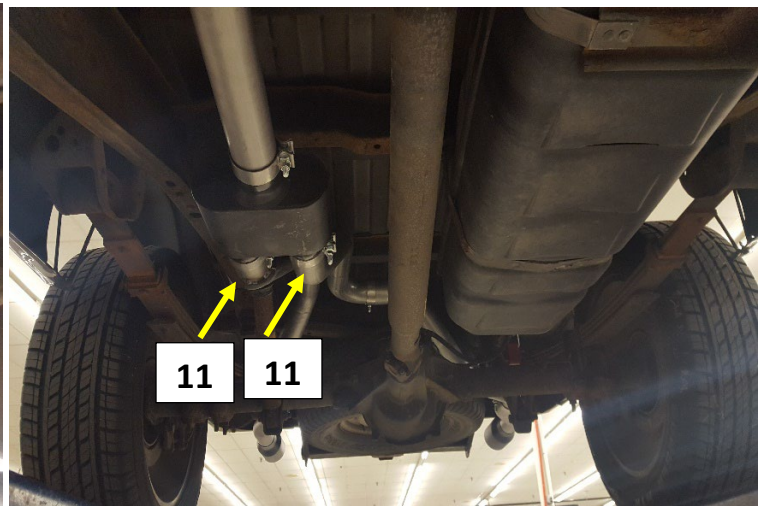


Figure.5

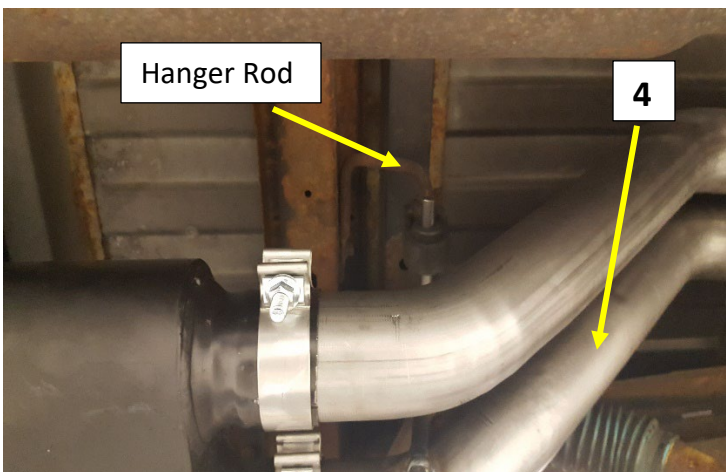


Figure.6

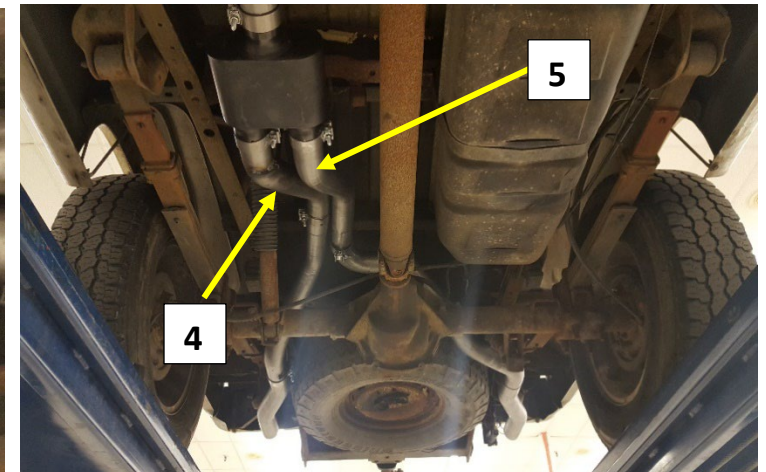


Figure.7

Installation Continued

14. Install a 3" band clamp on to the expanded end of the right Tail pipe (6) with the bolt at the outside of the pipe and the nut facing down. **Fig.8**
15. Install the right Tail Pipe (6) over the axle and into the muffler. Install the hanger rod into the rubber isolator on the frame hanger. Adjust the tail pipe with the hanger rod level with the frame hanger and tighten the clamp. **Fig.8**

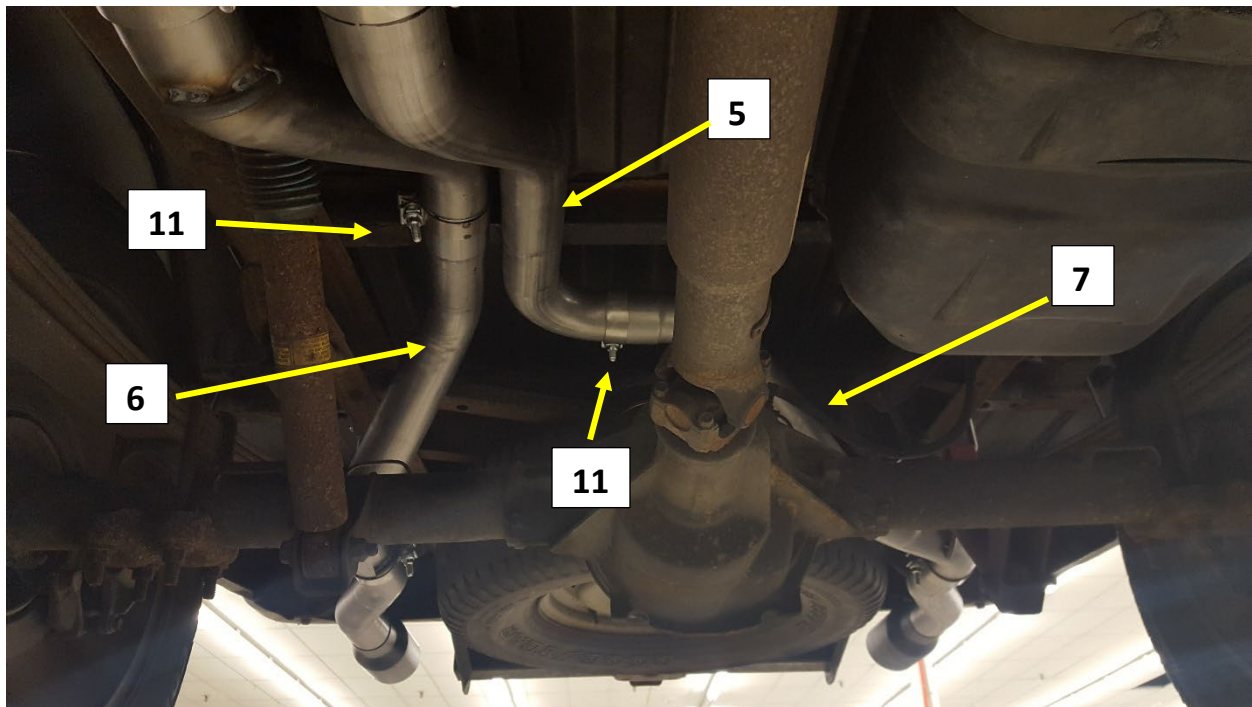


Figure.8

16. Install a 3" band clamp (11) on to the expanded end of the left tail pipe (7) with the bolt at the rear of the pipe and nut facing down. **Fig.8**
Note: Clamp position can be adjusted depending on your vehicle configuration. Lowered vehicles may need the clamp on the front side of the pipe to maximize clearance at the differential. Long bed vehicles are best at the rear of the pipe for bed support clearance.
17. Install the left tail pipe (7) on to the left muffler outlet pipe (5). Install the hanger rod into the red rubber isolator on the frame hanger. Adjust the tail pipe for approx. 1" to 1.5" clearance between the tail pipe and shock and tighten the clamp to allow for adjustment. **Fig.8**

Installation Continued

Installing the Tail Pipe Extensions and Tips

PN:818189

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 tail left and right pipe. Install a 3" band clamp **(11)** on to the pipes with the bolt at the top and the nut facing the inside. Tighten the clamp to allow for adjustment. **Fig.9**
2. Install the supplied tip and adjust to personal preference before tightening the clamps on the exit pipe and tip. **Fig.9**

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 **(11)** 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.10**

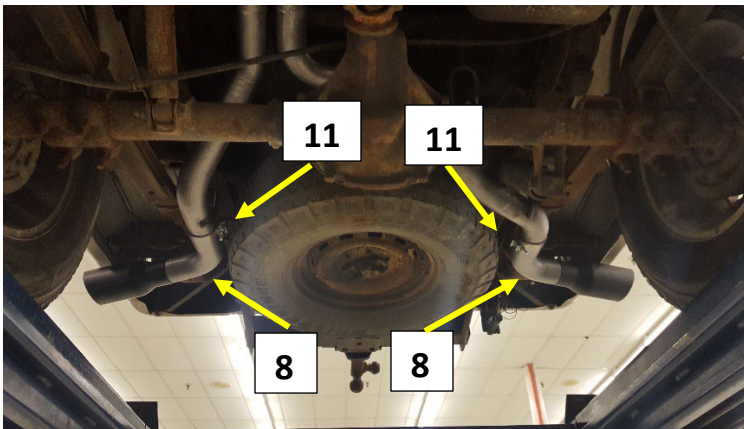


Figure.9

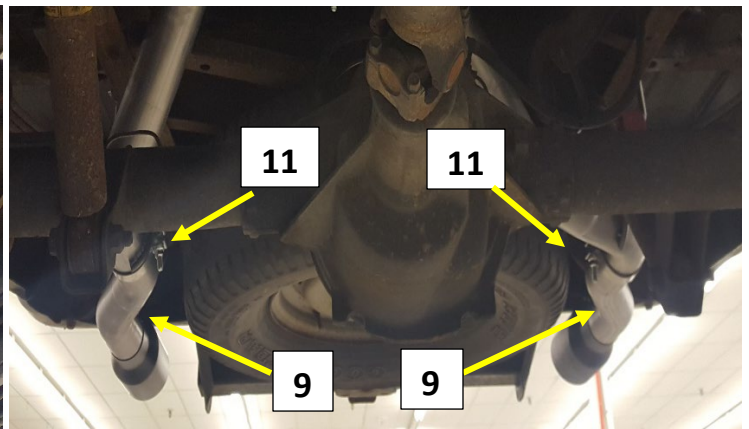


Figure.10

Installation Continued

18. 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.
19. Install the supplied push clips **(18)** **(19)** on to the hanger rods after all adjustments, this will prevent the system from moving after adjustment.



Enjoy Your Flowmaster Exhaust!

