Installation Instructions

718215

2025-2026

Dodge Charger

3.0L H.O Twin Turbo Inline Six Cylinder

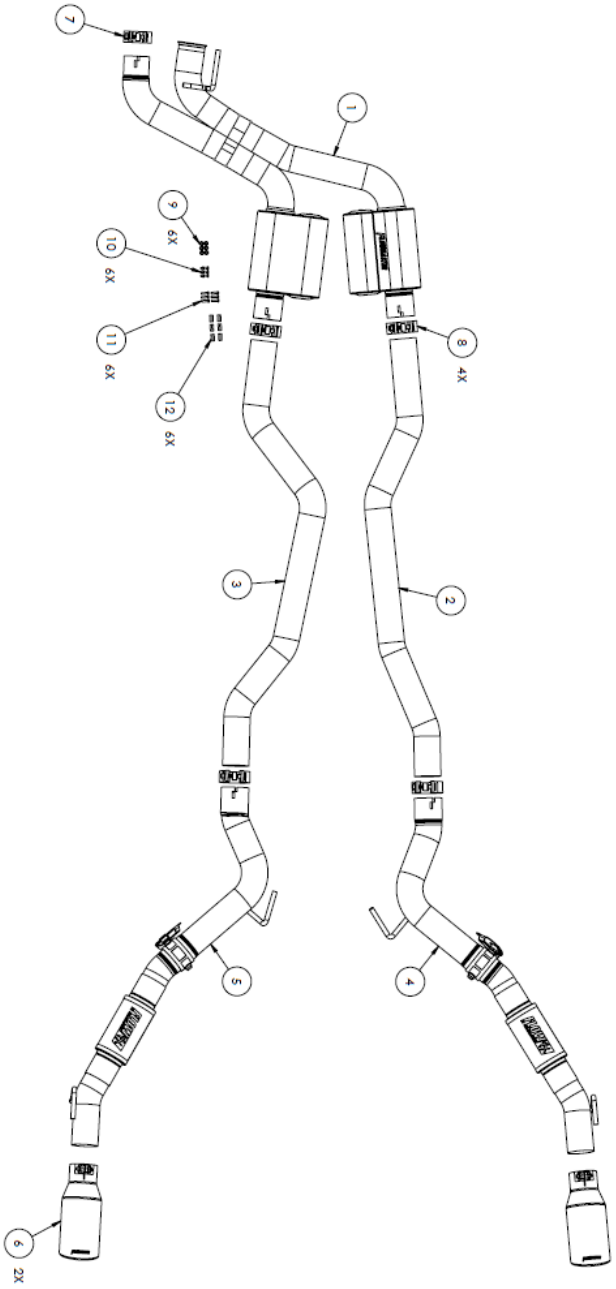
Installation requires moderate mechanical skill. If this job is beyond your abilities, seek the services of a qualified technician.

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

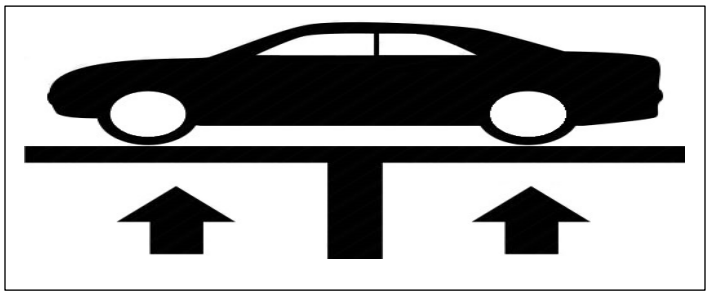
Apply penetrating oil generously to clamps, fasteners, pipes, and hanger rods for ease of disassembly.

REVIEW THE INSTRUCTIONS & VERIFY THE KIT CONTENTS

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



Item	Part Number	Description	Qty
1	27051M	Scavenger Assembly with Resonator	1
2	27055M	Right Mid Pipe	1
3	27056M	Left Mid Pipe	1
4	27057M	Right FFX Tail Pipe Assembly	1
5	27060M	Left FFX Tail Pipe Assembly	1
6	ST509BC	Black Chrome Tip	2
7	MC234BS	2 3/4” Band Clamp	1
8	MC300BS	3.0” Band Clamp	4
9	HW315	Flat Washer	6
10	HW243	10-32 x ¼” Button Head screw	6
11	HW240	10-32 x 3/4” Button Head screw	6
12	HW514	10-32 X ¾” Coupler Nut	6



Vehicle Compatibility

Model Year: **2025- 2026**
Make: **Dodge**
Model: **Charger Six Pack (Coupe)**
Engine: **3.0L I6 H.O Twin Turbo**

BEFORE STARTING:

Your vehicle must be raised to a minimum of 18 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: The factory Exhaust system is three large, welded assemblies. Plan to have assistance when removing the large OEM exhaust sections.

1. Apply penetrating oil to the 15mm nuts on the clamps at the factory X-pipe and two clamps at the muffler sections and loosen the clamps. Apply penetrating oil liberally to all three slip joints **(A). Fig.1**
2. Unplug the electrical connector at each OEM Exhaust valve actuator motor just before the muffler **(B)**. **Fig.1**
3. Support each muffler and X-pipe pipe assembly.
4. Remove the exhaust hanger isolator assembly at the rear differential **(C)**. **Fig.1**
5. Remove the two bolts at each muffler frame hanger directly behind each muffler assembly on the tail pipe **(D)**. **Fig.1**
   Note: Keep them separated left and right
6. Remove the left and right muffler assemblies. **Fig.1**

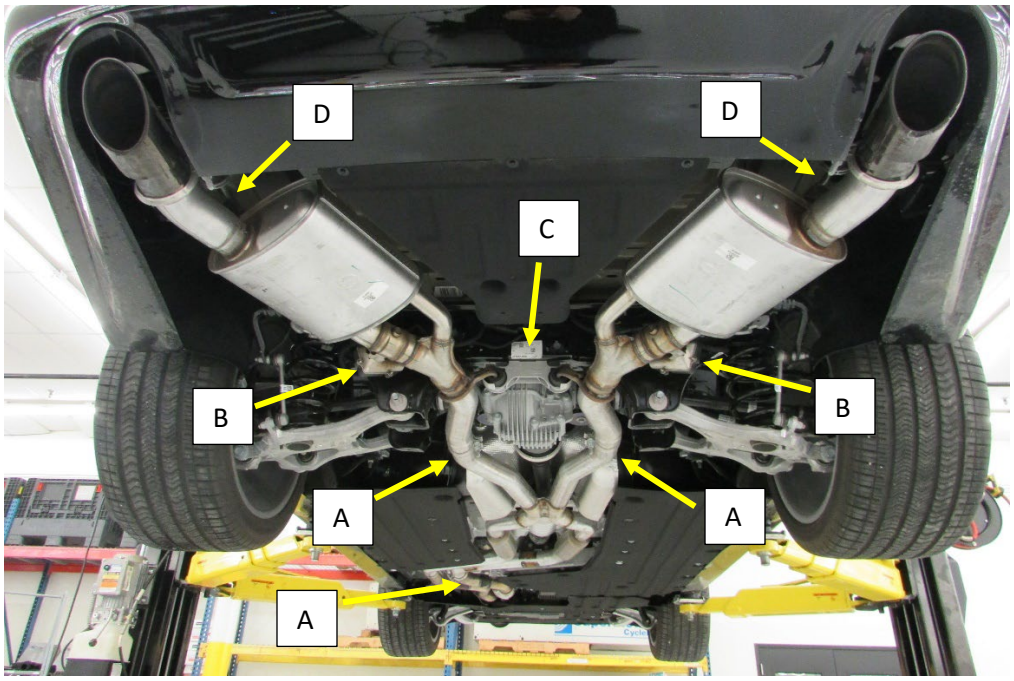


Figure.1

Removing the OEM Exhaust: Continued

7. Remove the bolt from the V- band clamp **(F)** at the catalytic converter connection of the OEM mid pipe assembly. *Note the position of the nut and spacer for re assembly

   Attention: The following process is for re-using the ORIGINAL metal gasket to install the Flowmaster Exhaust. BE VERY EASY WITH THIS GASKET AS IT IS VERY THIN AND FRAGILE. It is recommended you replace this clamp and gasket assembly with the following OEM parts.

   OEM Replacement part number for the gasket and clamp: 6864 6919 AA

8. Flatten the x4 large retainer ears on the gasket at the V-Band connection to allow the flange to move toward the catalytic converter.
9. Remove the V-Band clamp from the flange using a pair of Duckbill pliers or large snap ring pliers to expand the clamp (see inset) and move it off the flange and toward the catalytic converter. The gasket will remain in place!
   - Be very careful not to damage the gasket
   - Do not bend the small ears of the gasket

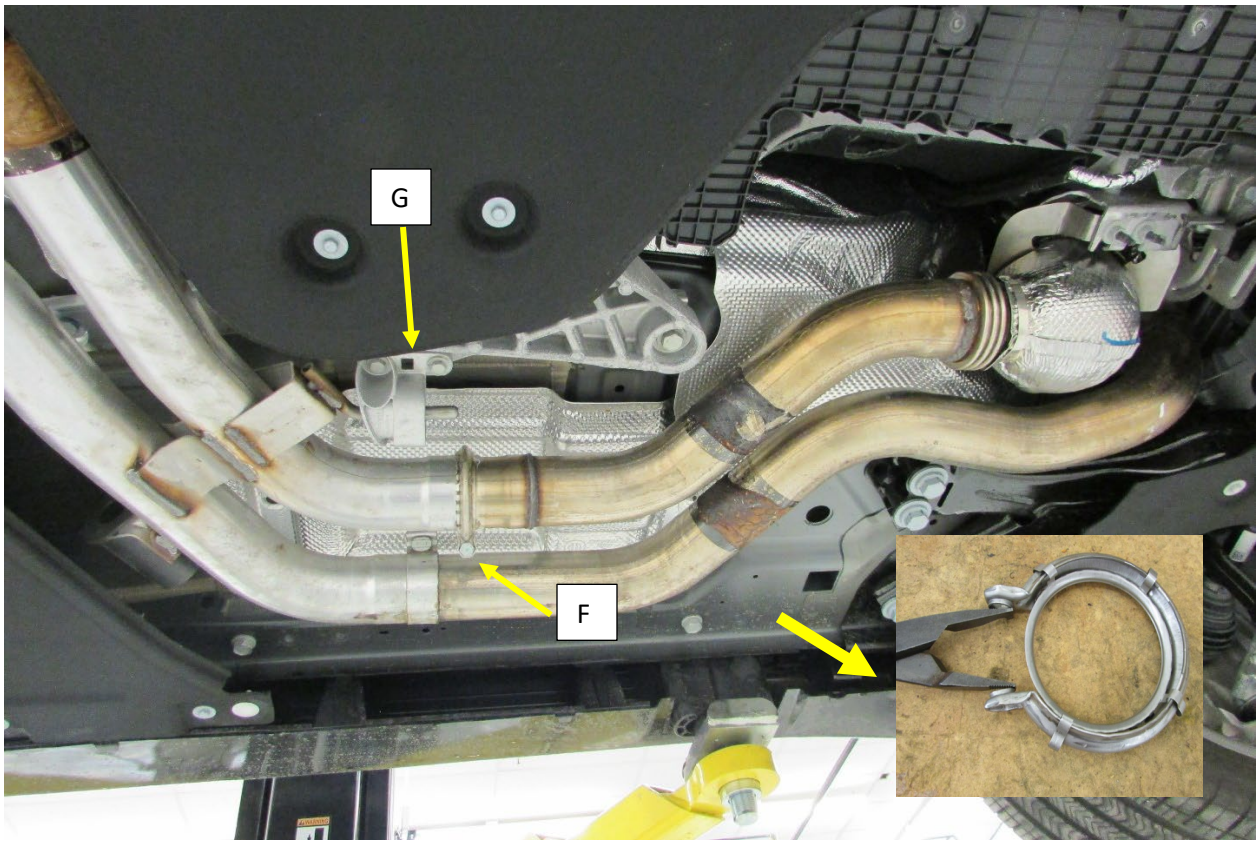


Figure.2

10. Remove the x2 bolts from the Isolator assembly **(G)** supporting the OEM mid pipe. **Fig.2**
11. Remove the mid pipe from the vehicle- Do Not Remove the gasket from the mid pipe .

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.

* If you are re using the original mid pipe V-band gasket gasket, follow steps 1-2 below. **Fig.3**
* If you are installing a new OEM V-Band gasket set, follow step. 3 below. **Fig.4**

Removing and Installing the OEM V-band gasket

1. Remove the original V-Band gasket from the OEM mid pipe.

- Very carfully remove the metal gasket from the flange by slowly working the small tabs off of the flange in a circular pattern a small amount at a time.

***Do not over bend the tabs, It will distort the sealing ring of the gasket potentially causing it to not seal correctly.**

2. Re install the gasket on to the flange of the Flowmaster Scavenger pipe, clip the small tabs over the flange from one side to the other, bending the tabs as little as possible. **Fig.3 The clamp will be installed after Flowmaster scavenger pipe is installed on the vehicle.**

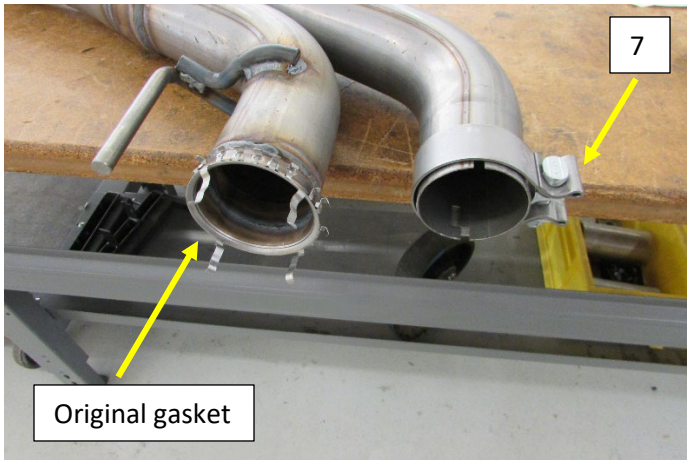


Figure.3

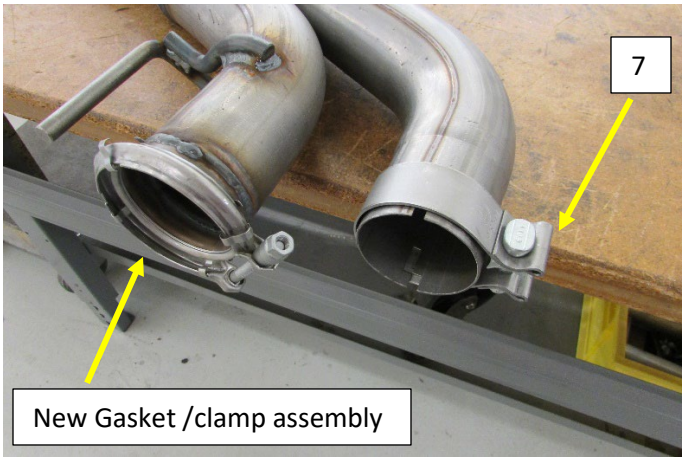


Figure.4

Installing a new Gasket and clamp assembly

ATTENTION: Do do not remove the clamp from the gasket

3. Align the small tabs of the gasket /clamp assembly with the Flowmaster flange. Align the Clamp bolt to the position shown in **Fig.4**. Gently push the assembly on to the flange until the tabs lock in place. *** The new clamp will snap over the flange on the catalytic converter when the Flowmaster Scavenger pipe is installed on the vehicle. No expanding is necessary.**
4. Install the 2 ¾" band clamp **(7)** on to the expanded end of the Scavenger pipe inlet. **Fig. 3 / Fig 4**

Installation Continued

5. Install the Flowmaster scavenger assembly **(1)** into the vehicle and support the assembly. **Fig. 6**
6. Align the expanded inlet pipe to the left calalytic converter and install the pipe from the catalytic converter into the Scavenger pipe expanded inlet. **Fig.5**

Notes: Follow the steps below for each gasket installation you are using.

Using the Original V-Band Gasket and Clamp

- Slide the scavenger pipe expanded inlet on to the Left Catalytic converter pipe untill the V-Band gasket is fully seated against the flange of the catalytic converter. **Support the Scavenger assembly level and centered in the transmission tunnel**
- Use the Pliers to expand the Original V-Band clamp and re install it over the x4 flattened ears of the gasket and on to the flange. **Be sure the small tabs of the gasket are over the edge of the clamp and NOT under it. See inset of Figure. 5**
- After confirming the gasket and clamp are correctly assembled, install the bolt and tighten enough to hold the parts but allow for adjustment. **Fold the x4 large ears back over the clamp**

Using a new V-Band Gasket /Clamp asssembly

- Slide the scavenger pipe expanded inlet on to the Catalytic converter pipe untill the V-Band clamp just touches the flange of the catalytic converter. **Support the Scavenger assembly level and centered in the transmission tunnel**
- Make sure the flange of the catalytic converter pipe is aligned square with the clamp and the small tabs of the gasket are securly locked on to the flange of the scavengr pipe assembly.
- Use a sharp inward push on the scavenger pipe assembly to push the clamp over the flange of the catalytic converter and seat the gasket. **Hold the catalytic converter pipe from pushing back against the flex.**
- After confirming the gasket and clamp are in the correct position and fully installed , tighten the clamp nut enough to hold the parts in place but allow for adjustment.
- Install the Hanger isolator on to the hanger rod and install the bolts. **Fig.5**

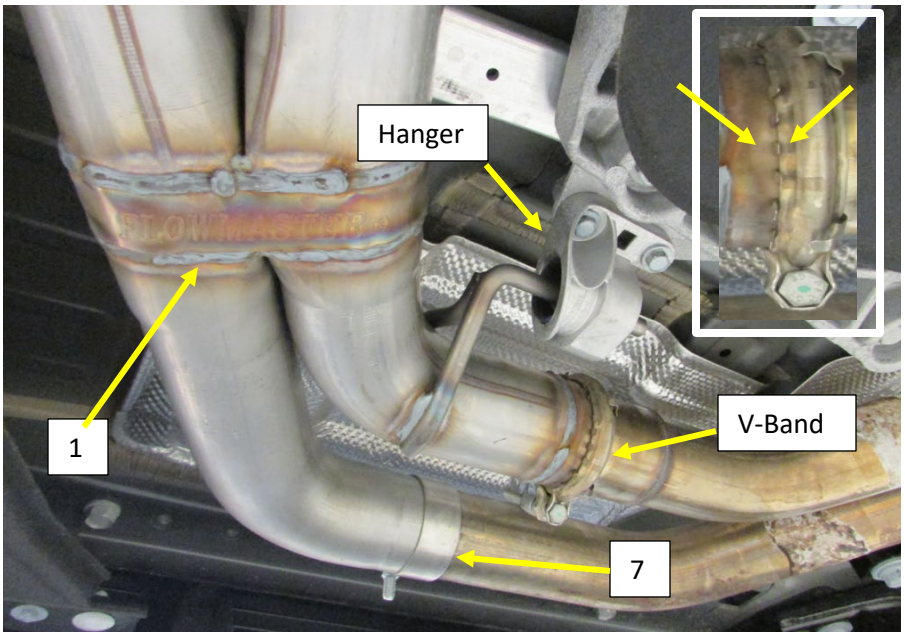


Figure.5

Installation Continued

7. Align the Scavenger pipe assembly in the transmission tunnel with the resonators equal distance from the under panels on either side and with ¼" air gap between the resonator and heat shield at the top. **Support the scavenger pipe in this position.** This will provide clearance of approximately ½" after the exhaust is completely installed and the supports are removed. **Fig.6**
8. Tighten the 2 ¾" Band clamp **(7)** and the V-Band clamps at the catalytic converters.
9. Install a 3" band Clamp **(8)** on to each of the resonator expanded outlets. **Fig.6**
10. Install the left Mid Pipe **(3)** with the longer straight into the resonator. **Fig.6**
11. Install the Right Mid Pipe **(2)** with the longer straight into the resonator. **Fig.6**
12. Rotate the mid pipes level to the floor of the car and tighten the band clamps to hold the pipes but allow for adjustment. **Support the Scavenger pipe and mid pipes.**

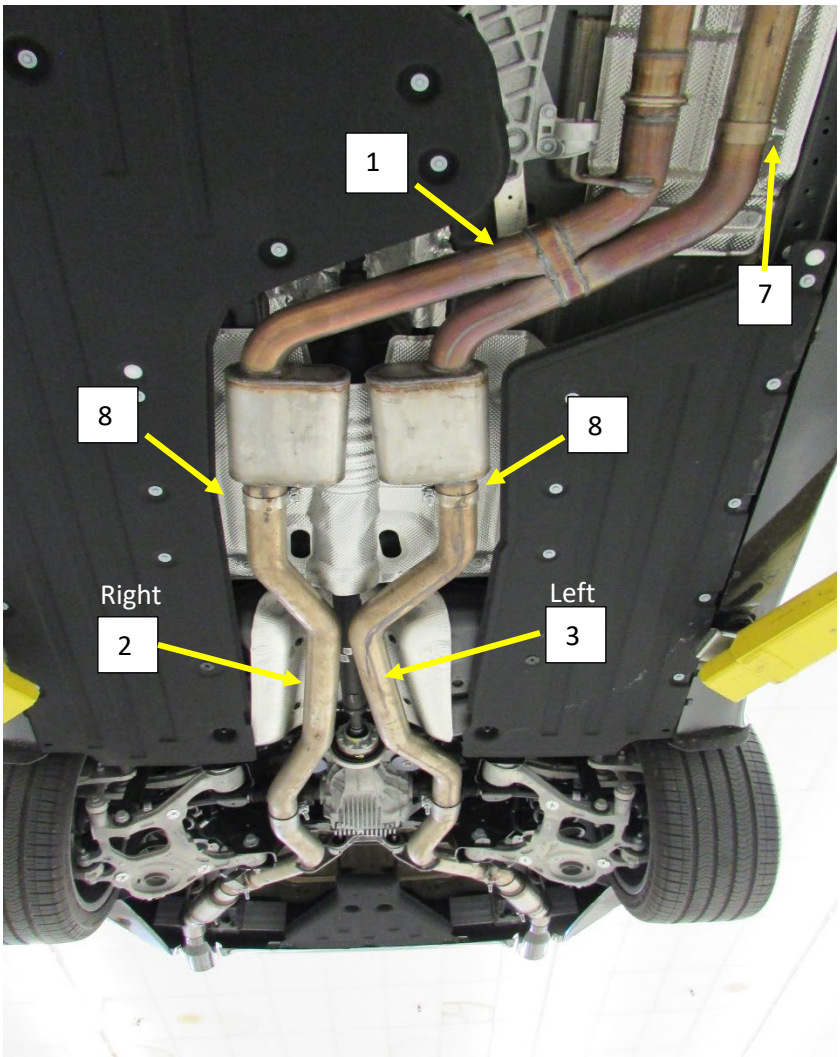


Figure.6

Installation Continued

Assembling the exhaust valves and actuators

13. Remove the exhaust valve actuators from the OEM muffler assemblies.
14. Keep the drive springs connected to the actuator and take note of their position should they get removed and need to be re-installed.

Important Note: Keep the actuators separated left (driver) and right (passenger). They are different and will not interchange.

Actuator installation on the Flowmaster valve assemblies

15. Preassemble the ¾" standoffs **(12)** on to the mounting plate of the Flowmaster Exhaust Valve using the ¼" long 10-32 screws **(10)** -apply a small amount of blue thread locker to the threads of the screws and tighten. **Fig.7**
16. Install a flat washer on to each of the 10-32 x ¾" screws and apply a small amount of blue thread locker on the threads. **Fig.8**
17. Place the Actuator over the bracket, align the drive spring into the groove on the drive pin of the valve. **Fig.8**
18. Align the actuator mounting holes to the threaded standoffs on the bracket.
    NOTE: It should take approximately a ¼ inch (not a 1/4 turn) of rotation to preload the drive spring and align the bolt holes.
19. Install the 10-32 x ¾" screw and washer through the mounting hole of actuator and into the threaded standoff. Tighten the first screw to hold the actuator in place. **Fig.8**
20. Install the two remaining screws.
21. Verify the drive spring is still located in the valve shaft slot. Do Not over tighten the screws. **Fig.8**

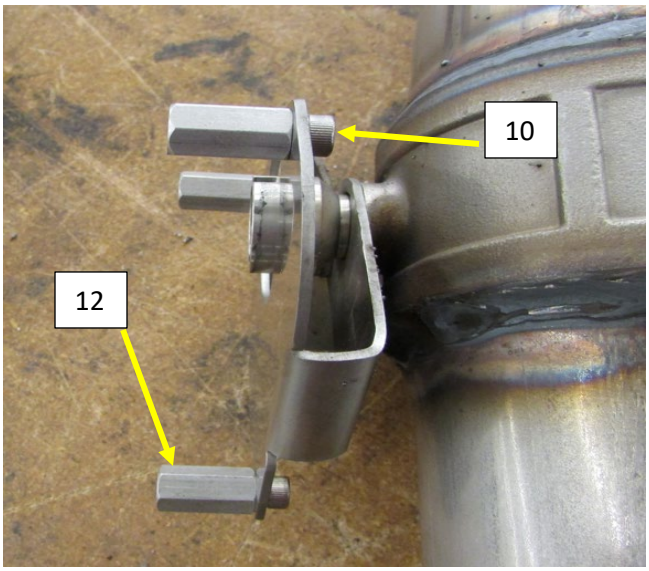


Figure.7

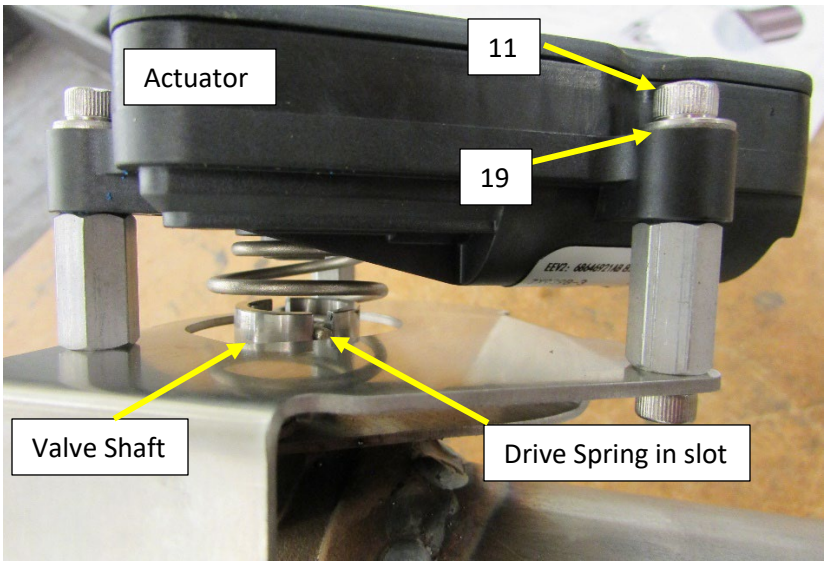


Figure.8

Installation Continued

Installing the tail Pipes

22. Install a 3” band clamp **(8)** on to each tail pipe expanded end.
23. Spray the Rubber isolators at the differential with Spray lube.
24. Install the Right tail pipe **(4)** on to the mid pipe at the differential, sliding the tail pipe hanger rod into the isolator at the differential at the same time.
25. Install the right tail pipe frame hanger on to the hanger rod after the muffler and install the two bolts into the frame rail
26. Install the Left tail pipe **(5)** on to the mid pipe at the differential, sliding the tail pipe hanger rod into the isolator at the differential at the same time **(C)**.
27. Install the Left tail pipe frame hanger on to the hanger rod after the muffler and install the two bolts into the frame rail.
28. Tighten the 3” band clamps **(8)** to allow for adjustment.
29. Install the Black Chrome tips **(6)** on to the tail pipes and tighten the clamp bolts in the desired position.
30. Plug In the electrical connectors on the valves.

Align the system for best component clearance and alignment. Start at the front of the system and work towards the rear. Tighten the clamps and hardware as you go.

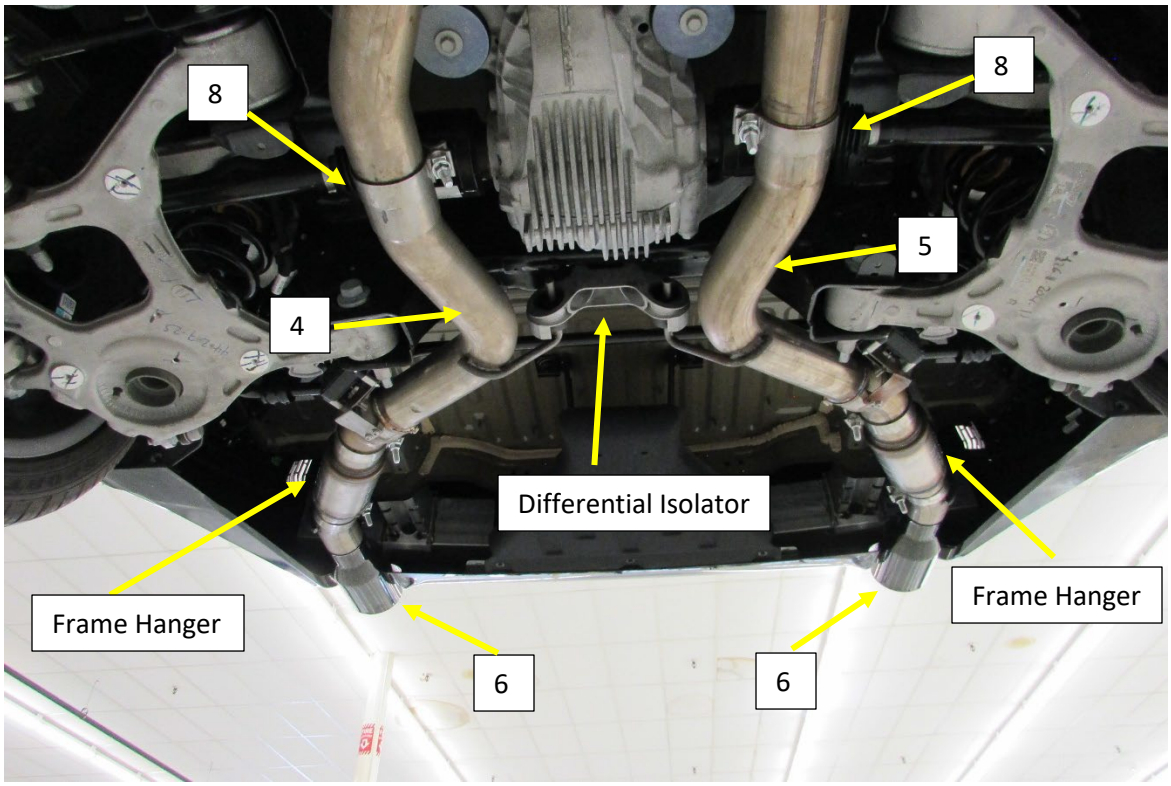


Figure.9

Your Flowmaster exhaust may emit smoke after installation. This is normal break-in and will subside after the first few miles of driving.

Enjoy Your Flowmaster Exhaust!