



Installation Instructions  
**717946**  
 1994-02 RAM 1500/2500/3500  
 3.9L, 5.2L & 5.9L ENGINE  
 2/4 Wheel Drive & All Wheelbases

**OVERVIEW:**

1. Take a moment to read and understand these instructions before installing your Flowmaster performance system.

**NOTE:** Please inventory all parts now before continuing and if necessary, report any missing items to our tech line. This will avoid potentially stranding your vehicle until any missing replacement parts arrive.

ITM #	PART #	DESCRIPTION	QTY.
N/A	PK1044	Hardware Package includes:	1
9	522HA	Front Hanger	1
10	465HA	Front Hanger	1
11	391HA	Clamp Hanger	2
12	208HA	Rear Hanger	2
13	211HA	Rear Hanger	1
14	MC250BS	2½" Stainless Band Clamp	5
15	MC300BS	3" Stainless Band Clamp	1
16	HA168	Red Rubber Hanger	2
17	HW204	⅝ x 1" Bolt	2
18	HW102	⅝" Nut	2
19	HW308	⅝" Lock Washer	2
20	HW202	¼ x 1" Bolt	2
21	HW306	¼" Split Lock Washer	2
22	HW101	¼" Nut	2
23	HW502	⅝" Hanger Keeper	8
24	HW216	⅝ x 1¼" Shoulder Bolt	2
25	HW303	⅝" Flat Washer	2

ITM #	PART #	DESCRIPTION	QTY.
1	TB230M	Adapter Pipe	1
2	86093M	Extension Pipe	1
3	72288-Z	FlowFX Muffler	1
4	16124M	Left Rear Tailpipe	1
5	16127M	Right Tailpipe	1
6	16128M	Left Front Tailpipe	1
7	16317M	Side Exit Pipe	2
8	ST507B	Tip	2

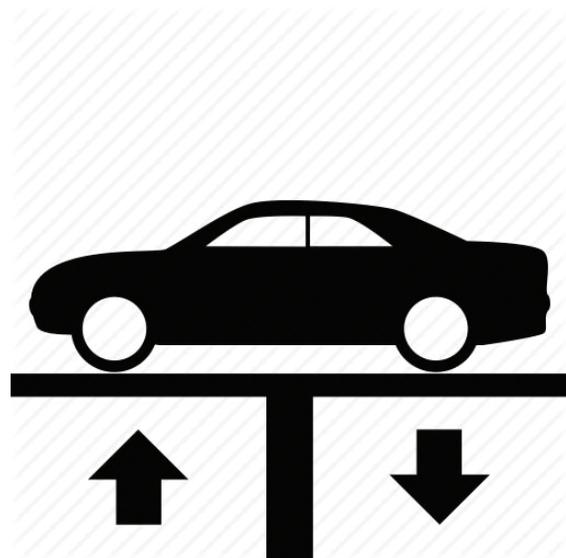
**REMOVE STOCK EXHAUST SYSTEM:**

2. Raise vehicle up on a hoist or rack to working height. If you don't have access to a hoist or rack, support vehicle with jack stands.

**WARNING:**  
 Avoid serious burns! Allow your vehicle time to cool completely before touching any factory engine components.

**To ease preparation and installation of your new kit:**

- Apply penetrating lubricant to mounts, bolts and clamps before you remove them.
- Use stands as necessary to support parts as you detach them from your vehicle and again as you install new parts.



- Using a hacksaw or sawsall, cut stock tailpipe off where it exits muffler.



- Separate wire hangers from isolators behind muffler. Remove bolt and hanger connecting stock tailpipe to vehicle frame (as shown, depending on your application). Remove tailpipe section from vehicle.



- Remove clamp on muffler inlet, then remove muffler and set aside.

**NOTE:** Because connection may be significantly crimped by clamp, it may be necessary to heat it for ease of removal. If this does not work, use a hacksaw or sawsall to cut muffler off right after inlet pipe hydrosize, then remove excess.



## INSTALL FLOWMASTER EXHAUST SYSTEM

- Remove nuts from stock and Flowmaster clamps, apply anti-seize compound to bolts and re-install nuts.

**NOTE:** The image in this step is intended for illustrative purposes only and may or may not accurately reflect components included in your kit.

- Every slip fit connection in this kit must seat 3" deep except for muffler connections which must seat 2" deep. Find all slip fit components in your kit and mark them accordingly so your Flowmaster exhaust system fits properly onto your vehicle.



- Identify your vehicle within the specifications listed, then apply the corresponding modifications or assembly combinations to ensure this kit will install properly.

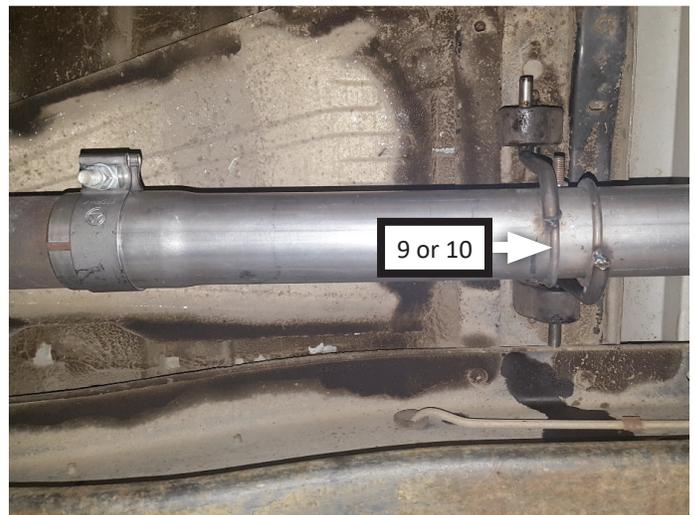
WHEEL BASE	INLET ASSEMBLY:	MODIFICATION
119"	Adapter Pipe	No modification necessary.
135"	Extension + Adapter Pipe	Trim 20" from extension pipe.
139"	Extension + Adapter Pipe	Trim 16" from extension pipe.
155"	Extension + Adapter Pipe	No modification necessary.

- If applicable, place **clamp (14)** onto **extension pipe (2)** then connect it to stock front pipe, lining extension notch up to stock pipe tab. Tighten clamp just enough to allow for adjustment.

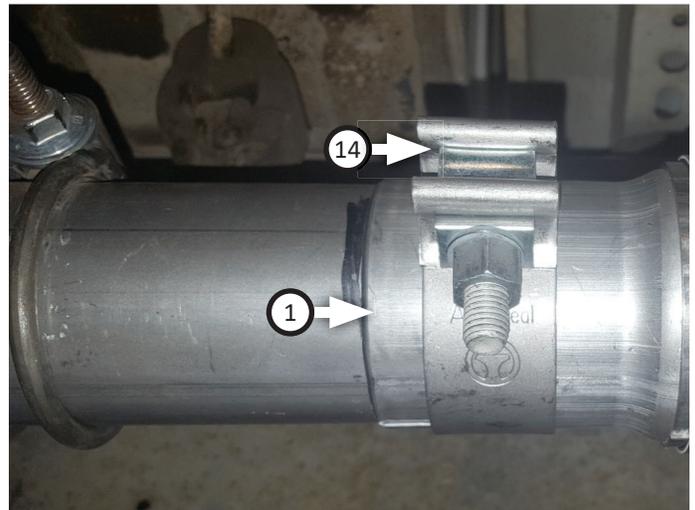


**NOTE:** If your vehicle has a 135" wheelbase, use **front hanger (9)**. Otherwise, use **front hanger (10)**.

10. Place **front hanger (9 or 10)** onto extension pipe then connect them to isolators.



11. Place **clamp (14)** onto **adapter pipe (1)** then connect it to extension or factory exhaust. Tighten clamp just enough to allow for later adjustment.

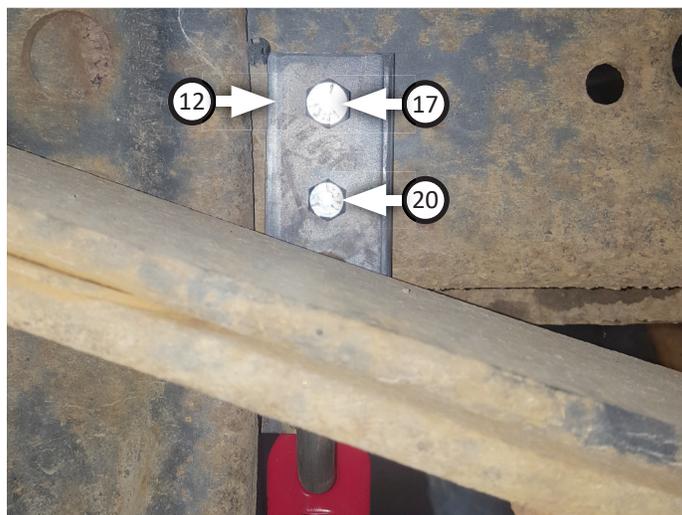


12. Place **clamp (15)** onto **muffler (3)** and connect it to adapter pipe then tighten clamp just enough to allow for adjustment. Place (x2) **clamps (14)** onto muffler outlets.



**NOTE:** Complete this step for both sides of vehicle unless the holes (indicated below) only exist on passenger side of your vehicle. If so, move on to step 14 for driver side mount.

13. Mount rear hanger (12) with bolts (17, 20), nuts (18, 22) and washers (19, 21).



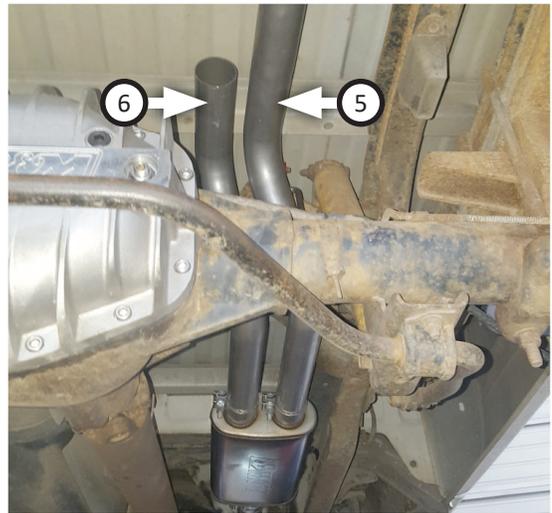
**NOTE:** Complete step on drivers side if your vehicle has (x2) holes on bottom edge of frame, 18" forward of rear bumper.

14. Mount rear hanger (13) using forward hole with bolt (17), nut (18) and lock washer (19).

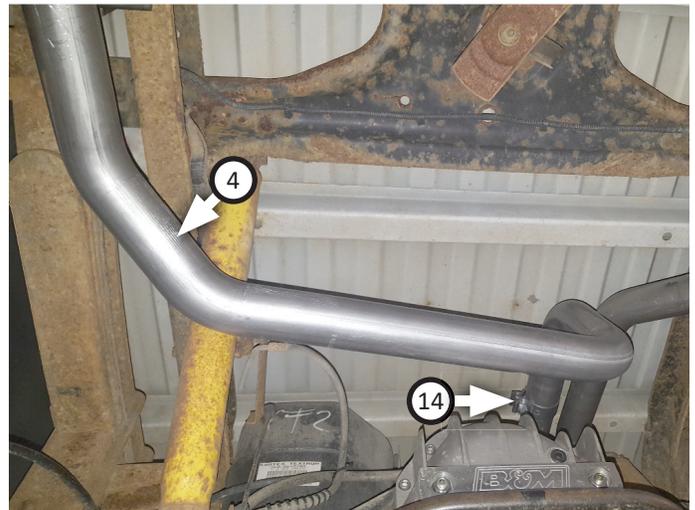


**NOTE:** If you have an aftermarket tow hitch (such as Drawtite), we have included (x2) bolts (24) that will allow you to fasten rubber hanger (16) directly to side of tow hitch. There are (x2) holes located on side of hitch where mounting arms narrow toward front of vehicle. Place rubber hanger (16) up to forward hole and insert bolt with flat washer (25) through rubber hanger from inside of hitch. Use lock washer (19) and nut (18) to secure hanger in place. Repeat step for passenger side of vehicle.

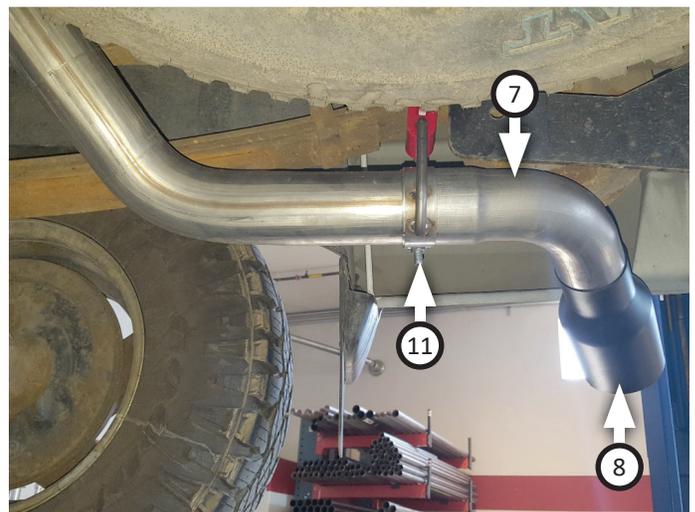
15. Route **left front (6)** and **right tailpipes (5)** over axle then connect them to muffler. Insert their wire hangers into isolators then tighten clamps just enough to allow for adjustment.



16. Place **clamp (14)** onto **left rear tailpipe (4)** then connect it to left front tailpipe. Insert wire hanger into rubber hanger then tighten clamp just enough to allow for later adjustment.



17. Place **clamp hanger (11)** onto **side exit pipe (7)** then connect it to right tailpipe and hang wire into isolator. Place **tip (8)** onto exit pipe and tighten inlet. Complete step on left rear tailpipe.



18. Adjust exhaust components for fit; maintaining ½" clearance and compensating for suspension, travel and vibration, then tighten all clamps. Finally, fit (x8) **hanger keepers (23)** onto each sideways hanger.
19. Recommended: Secure slip-fit connections with a 1-inch tack weld then spray high-temp paint over each weld to prevent rust and premature corrosion.



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Congratulations, the installation of your FLOWMASTER performance exhaust system is now complete!





Installation Diagram  
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