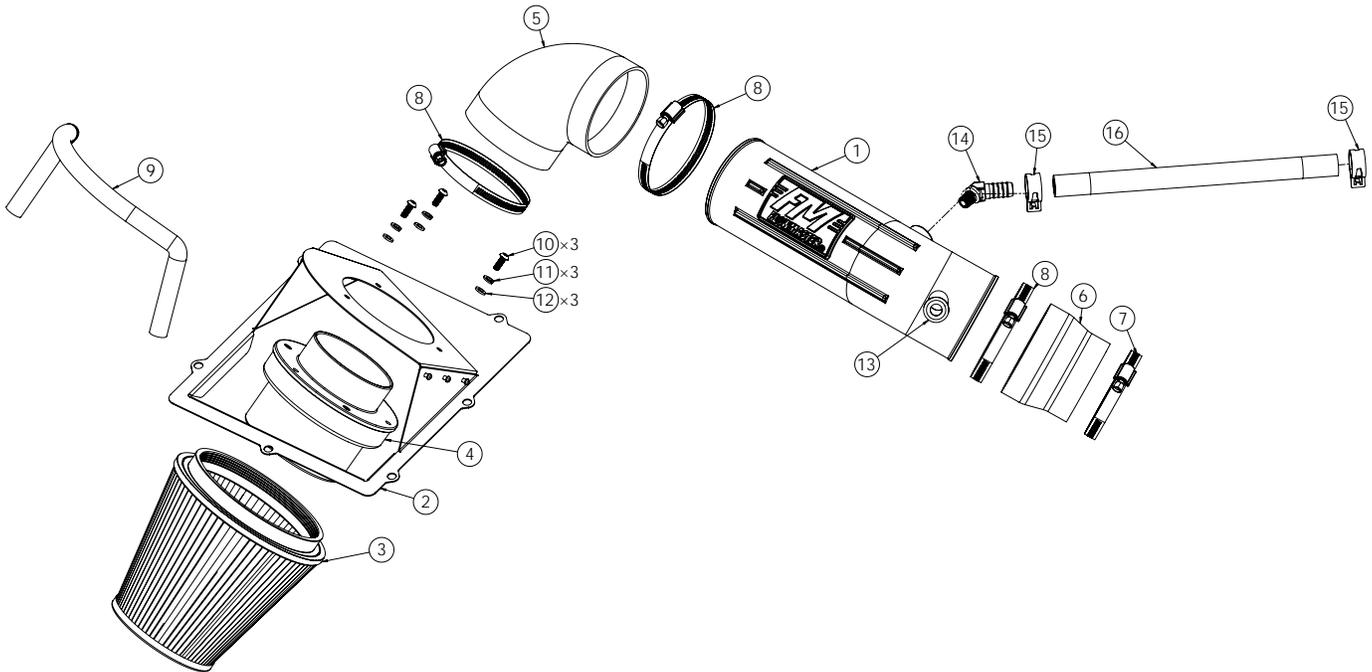




Installation Instructions for
615212
 PERFORMANCE INTAKE FOR
 2019-2022 RAM 2500 & 3500
 6.4L ENGINE



ITEM	PART NO.	DESCRIPTION	QTY.
1	AF2088	INTAKE TUBE	1
2	AF3088	HEAT SHIELD	1
3	AF1002	AIR FILTER, 7-1/2" x 6" DIA (W/#104 CLAMP)	1
4	AF6007	ADAPTER, AIR FILTER, CARBON TRAP 4" x 6"	1
5	AF4098	COUPLER, 80°, 4" I.D. x 4" I.D.	1
6	AF4062	COUPLER, REDUCING 4" I.D. - 3-1/2" I.D. x 3" L	1
7	MC350H	CLAMP, SCREW, #56 (3-1/16" - 4")	1
8	MC400H	CLAMP, SCREW, #64 (3-9/16" - 4-1/2")	3

ITEM	PART NO.	DESCRIPTION	QTY.
9	49000061	GASKET, HEAT SHIELD	2 FT
10	HW244	SCREW, M6 x 1.0 x 16MM	3
11	HW318	LOCK WASHER, M6	3
12	HW319	FLAT WASHER, M6	3
13	AF4008	GROMMET, 1-1/16" O.D. x 1/2" I.D. x 3/16" THK	1
14	AF4041	ELBOW, 45°, 5/8" BARB TO 1/4" NPT MALE	1
15	MC005P	CLAMP, PINCH, 3/4" HOSE	2
16	49000068	HOSE, 5/8" I.D.	1 FT

OVERVIEW:



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

NOTE: Please inventory all parts before starting the installation process and call our tech line to report any missing parts. This will help avoid potentially stranding your vehicle until any missing replacement parts arrive.

WARNING

Avoid serious burns! Allow vehicle to cool completely before starting work.

PREPARE VEHICLE FOR INSTALLATION



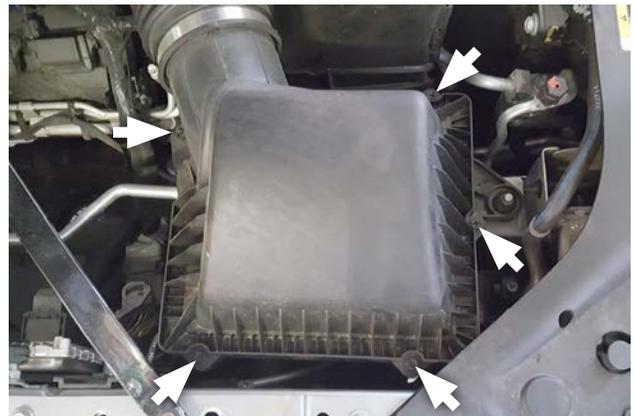
2. Lift the engine cover off and set it aside.



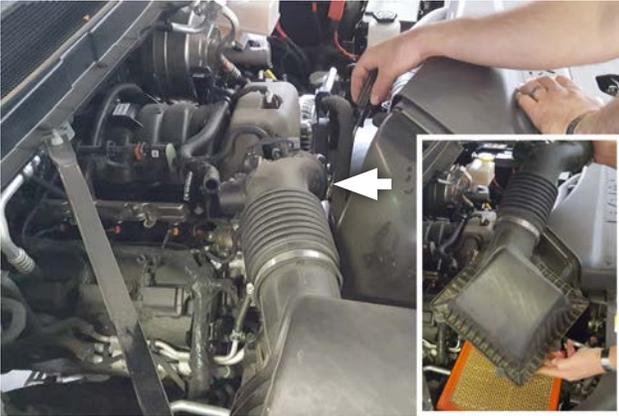
3. Disconnect the air temp sensor lead from the sensor.



4. Remove the PCV hose from the intake tube, and remove the wire holder from its end.



5. Remove and retain the 5 airbox lid screws.



6. Loosen the clamp on the throttle body. Then remove the assembled airbox cover and intake duct from the vehicle as shown.



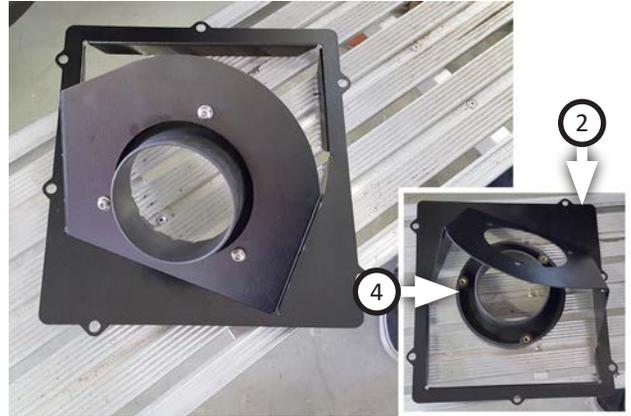
7. Remove the air filter from the factory airbox.



Note orientation of air temp sensor for reinstallation.

8. Remove and retain the air temp sensor. Remove the o-ring from the sensor.

ASSEMBLE & INSTALL PERFORMANCE AIR INTAKE



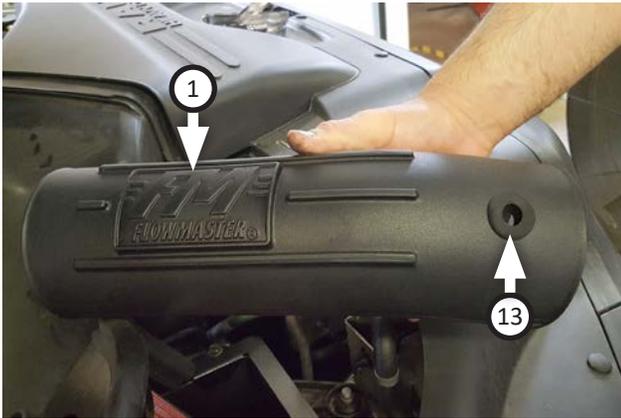
9. Assemble the **air filter adapter (4)** and **heat shield (2)** using **3 screws (10)**, **lock washers (11)** and **flat washers (12)**.



10. Push **gasket (9)** onto the edge of the heat shield as shown, cutting off the excess length with metal shears. Install the **air filter (3)** onto the adapter with the included clamp.



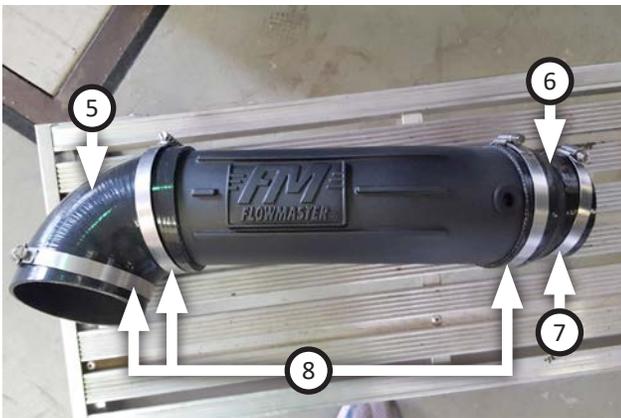
11. Install the heat shield and filter assembly on the airbox with 5 stock screws.



12. Install grommet (13) into intake tube (1).



15. Install the air temp sensor into the grommet in the intake tube. Orient the sensor as noted at removal.



13. Place 2 hose clamps (8) on elbow coupler (5), and place hose clamps (7) and (8) onto reducer coupler (6). Fit the couplers onto the intake tube as shown.



16. Apply thread tape to the 45° hose fitting (14), and thread it into the intake tube.



14. Install the intake tube assembly. First, push the reducer coupler fully against throttle body stops and tighten the clamp. Then push the elbow coupler up against the heat shield. Finally, center the tube between the couplers with the logo facing up, and tighten the remaining clamps.



17. Remove the short hose segment from end of the stock PCV line.



18. Reconnect the temp sensor wire to the sensor, and reinstall the wire holder on the crankcase vent line (removed Step 4).



19. Place **pinch clamp (15)** over **hose (16)**, then push the hose onto the stock PCV hose fitting. Move the pinch clamp over the fitting to secure the hose.



20. Place **pinch clamp (15)** onto the other end of the hose, push the hose onto the fitting, and move the clamp over the fitting to secure the hose.



21. Verify that all clamps and connections are secure, then reinstall the engine cover.



Congratulations, the installation of your Flowmaster Performance Intake system is complete!

FILTER MAINTENANCE:

We recommend that you clean and oil your air filter at 25,000 mile intervals using **Flowmaster's Filter Refresh Kit (PN 615001)**. See our website or your Flowmaster distributor for details.

