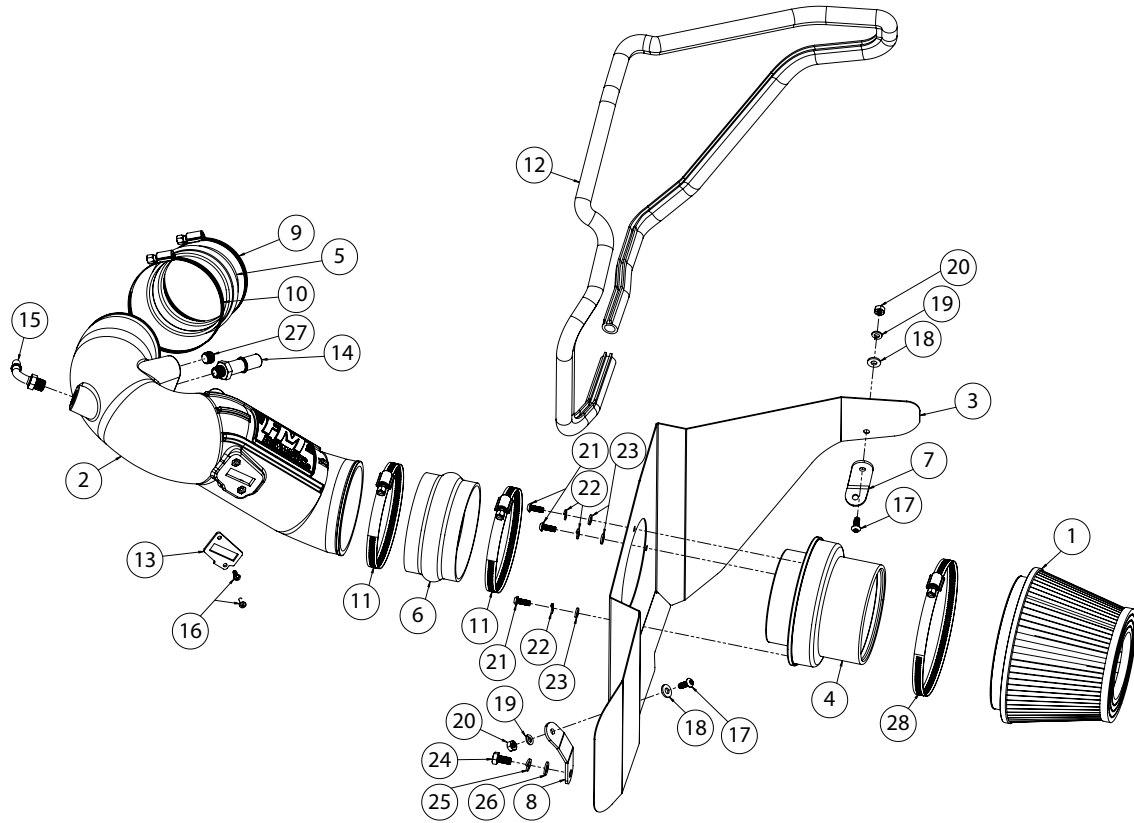




Installation Instructions
615187
2018-2023 MUSTANG
5.0L ENGINE

See approved specific application in Overview section on page 2.



ITM #	PART #	DESCRIPTION	QTY.
1	AF1012	6" Air Filter	1
2	AF2068	Molded Intake Tube	1
3	AF3068	Airbox	1
4	AF6011	4.5" Carbon Trap Adapter	1
5	AF4069	3.5" Hump Rubber Coupler	1
6	AF4070	4.5" Hump Rubber Coupler	1
7	AF5009	Bracket 1	1
8	AF5010	Bracket 2	1
9	MC350H	#56 Hose Clamp 3 $\frac{1}{16}$ " - 4"	1
10	MC400H	#64 Hose Clamp 3 $\frac{1}{16}$ " - 4 $\frac{1}{2}$ "	1
11	MC450H	#72 Hose Clamp 3" - 5"	2
12	49000061-72	72" Airbox Trim Seal	1
N/A	PK961	Hardware Package includes:	1
13	GA139	Rubber MAF Sensor Gasket	1
14	AF4016	$\frac{5}{8}$ " QC to $\frac{1}{4}$ " Straight Male	1

ITM #	PART #	DESCRIPTION	QTY.
15	AF4018	$\frac{3}{8}$ " QC to $\frac{1}{4}$ " 90° Elbow	1
16	HW248	M4 x 0.7 x 12MM Phillips Screw	2
17	HW245	$\frac{1}{4}$ "-20 x $\frac{5}{8}$ " Screw	2
18	HW320	$\frac{1}{4}$ " Flat Washer	2
19	HW322	$\frac{1}{4}$ " Split Lock Washer	2
20	HW115	$\frac{1}{4}$ "-20 Nut	2
21	HW244	M6 x 1.0 x 16MM Screw	3
22	HW318	M6 Split Lock Washer	3
23	HW319	M6 Flat Washer	3
24	HW249	M8 x 1.25 x 16MM Screw	1
25	HW323	M8 Split Lock Washer	1
26	HW324	M8 Flat Washer	1
27	AF4033	$\frac{1}{4}$ " Aluminum Plug	1
28	AF1012	#104 Screw Clamp (4 $\frac{1}{8}$ " - 7")	1

OVERVIEW:



2018-22 MUSTANG 5.0L ENGINE

The above applications are legal under the provisions of EPA's Tampering Policy dated November 23rd, 2020. The company has

reasonable basis (SEMA emissions certifications) to verify that this product allows the vehicle to operate within legal emissions standards and is therefore legal to be sold for on-street use in all states that accept the legal provisions of the Clean Air Act and the EPA Tampering Policy. This product is **NOT LEGAL FOR SALE OR USE IN THE STATE OF CALIFORNIA**. Testing with the California Air Resources Board, in order to achieve 50-state compliance, is pending with CARB. Once testing is complete with California, and an E.O. number is issued, this product will be updated to 50-state legal status

2023 MUSTANG 5.0L ENGINE

The above applications are legal under the provisions of EPA's Tampering Policy dated November 23rd, 2020. The company has reasonable basis (emissions testing) to verify that this product allows the vehicle to operate within legal emissions standards and is therefore legal to be sold for on-street use in all states that accept the legal provisions of the Clean Air Act and the EPA Tampering Policy. This product is **NOT LEGAL FOR SALE OR USE IN THE STATE OF CALIFORNIA**.



Your new Flowmaster intake is equipped with a non-removable hydrocarbon trap in compliance with EPA emission standards. This device does NOT adversely affect engine performance.

We highly recommend that you retain all factory air intake system parts.

Please refer to vehicle manufacturer's recommendations regarding removal of factory components.



1. Please take a moment to read and understand these instructions before installing your Flowmaster performance system. Use the parts drawing and BOM to verify your kit's contents.

In the unlikely event that any parts are missing, please contact FLOWMASTER Technical Support for replacements.

To simplify assembly and avoid cross-threading fasteners, identify then separate **¼-20 screws (18)** and **M6 screws (22)**.

2. Turn off ignition and allow your engine components to cool off.

REMOVE FACTORY AIR INTAKE SYSTEM:



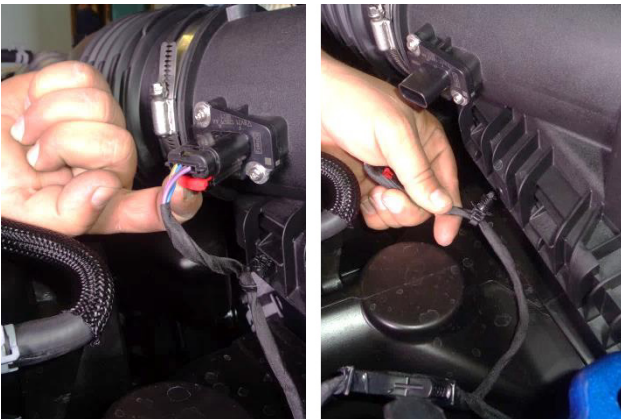
3. Remove passenger side wiring harness retainer, remove and retain (x2 ea.) nuts at each end of strut tower brace then remove brace.



4. Remove (x2) dust caps from engine appearance cover then remove and retain cover nut under each dust cap.



5. Lift sharply to release engine appearance cover from friction clips and remove it from vehicle.



6. Disconnect mass airflow (MAF) sensor plug by pulling tab away from sensor until it stops, then squeeze sides of plug and pull it straight off. Finally separate wire loom clamp from airbox.



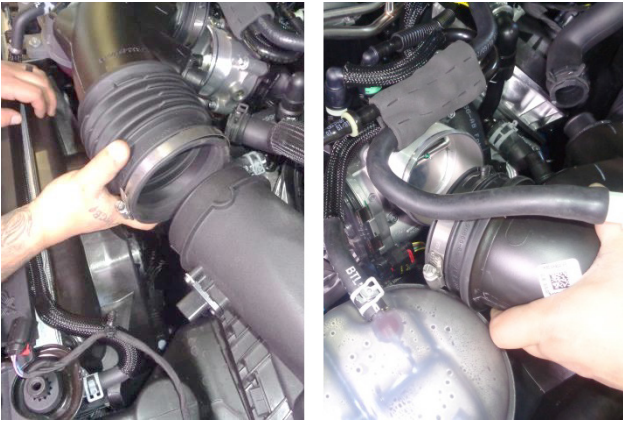
7. Disconnect brake vacuum line from air intake duct by depressing button on side of fitting and pulling it straight off.



8. Disconnect PCV line from air intake duct by pushing fitting toward duct, releasing latch then pulling line off duct.



9. Release resonator hose from air intake duct.



10. Loosen screw clamps securing air intake duct to throttle body and airbox then release duct and remove it from vehicle.



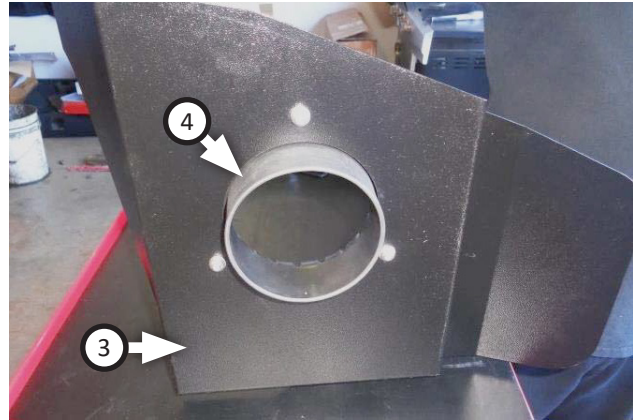
11. Remove and retain bolt securing airbox to vehicle frame then lift airbox straight up to remove it from vehicle.



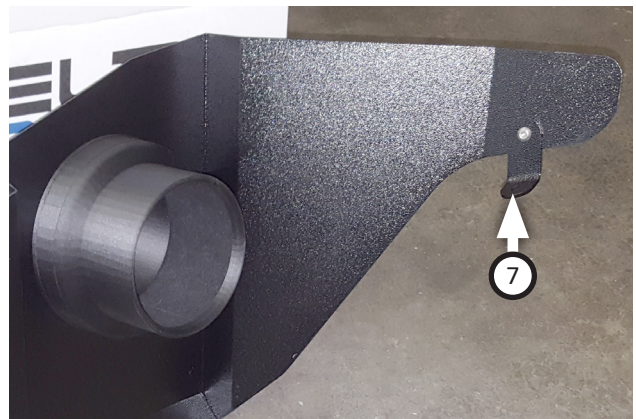
12. Remove MAF sensor from airbox then remove stock gasket from sensor.

WARNING: This sensor is delicate, handle it with care and store it safely until reinstallation.

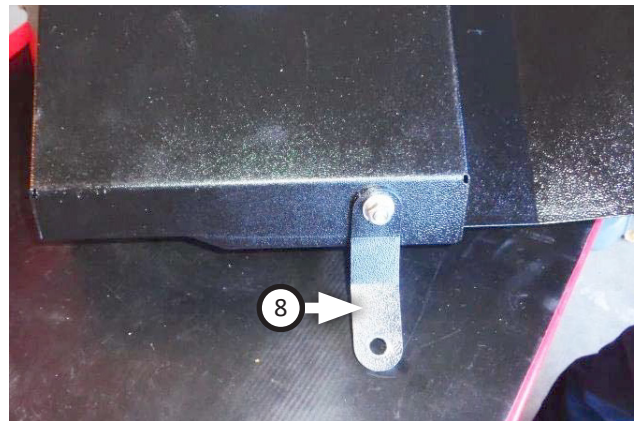
INSTALL YOUR AIR INTAKE SYSTEM:



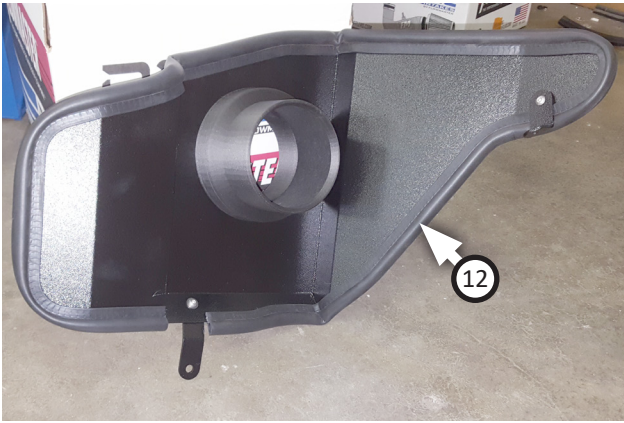
13. Assemble **carbon trap adapter (4)** to **airbox (3)** with (x3 ea.) **screw (21)**, **split lock washer (22)** and **flat washer (23)**.



14. Attach **bracket 1 (7)** to airbox with **screw (17)**, **flat washer (18)**, **split lock washer (19)** and **nut (20)**. Do not fully tighten fasteners at this time.



15. Attach **bracket 2 (8)** to airbox with **screw (17)**, **flat washer (18)**, **split lock washer (19)** and **nut (20)**. Do not fully tighten fasteners at this time.



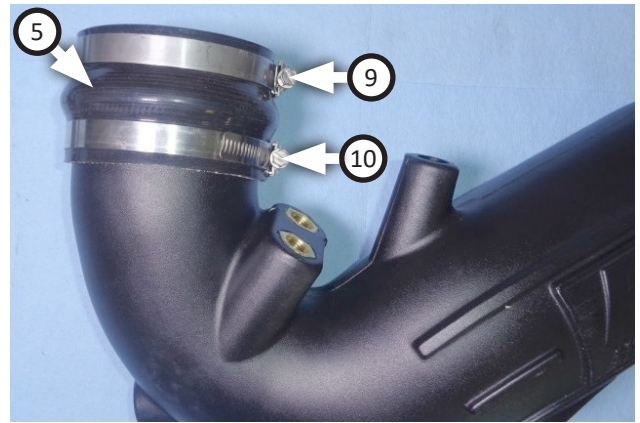
16. Apply **trim seal (12)** to airbox, starting then ending at bracket 2 as shown. Press trim firmly to ensure a proper seal, then trim excess so it fits correctly.



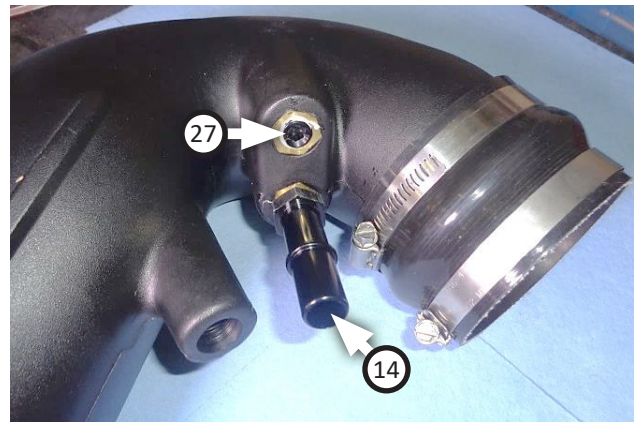
17. Install airbox into vehicle using factory bolt (removed step 12) on upper bracket, then use **screw (24)**, **split lock washer (25)** and **flat washer (26)** on lower bracket. Finally, fully tighten both brackets to airbox.



18. Place (x2) **clamps (11)** onto **hump coupler (6)** then press it onto airbox. Tighten clamp around adapter.



19. Place **clamps (9, 10)** onto **hump coupler (5)** then press it onto discharge end of **intake tube (2)**. Do not tighten clamps at this time.



20. Apply thread tape to **QC (14)** then install it into lower port of intake tube. Apply thread tape to **plug (27)** and install it into upper port.



21. Apply thread tape to **QC elbow (15)** and install it into intake tube. Align elbow toward tube's discharge end as shown.



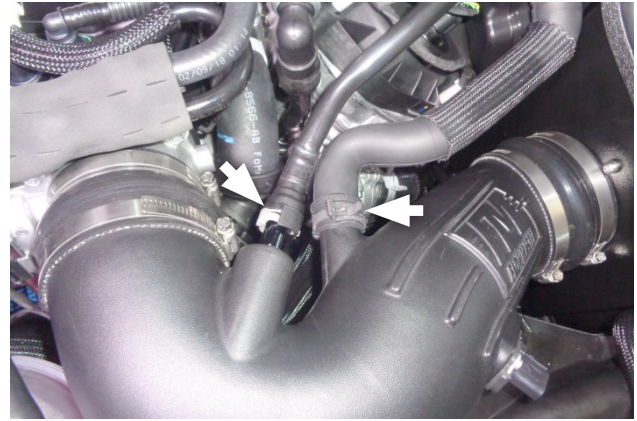
22. Install **MAF sensor gasket (13)** over sensor, then install them into intake tube, ensuring correct orientation of gasket and sensor. Secure sensor using (x2) **screws (16)**.



23. Install intake tube into engine compartment, centering it between couplers. Once in place, tighten clamps fully to secure it.



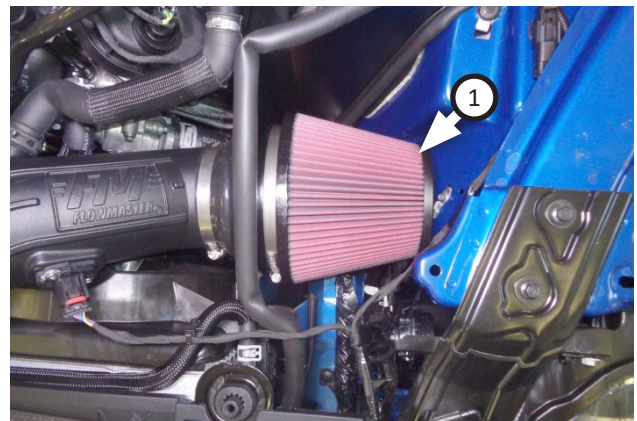
24. Connect brake vacuum line to QC elbow.



25. Connect PCV line and resonator hose to their respective fittings.



26. Install MAF sensor plug onto sensor and push locking tab forward.



27. Place **clamp (28)** onto **air filter (1)** and install it over carbon trap adapter inside airbox.



28. Install engine appearance cover, secure it with (x2) nuts, and install both dust caps.



29. Install strut tower brace, then install (x4) brace nuts and tighten them. At passenger-side strut tower, secure wiring harness retainer.



Congratulations, installation of your FLOWMASTER performance air intake is now 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.

