

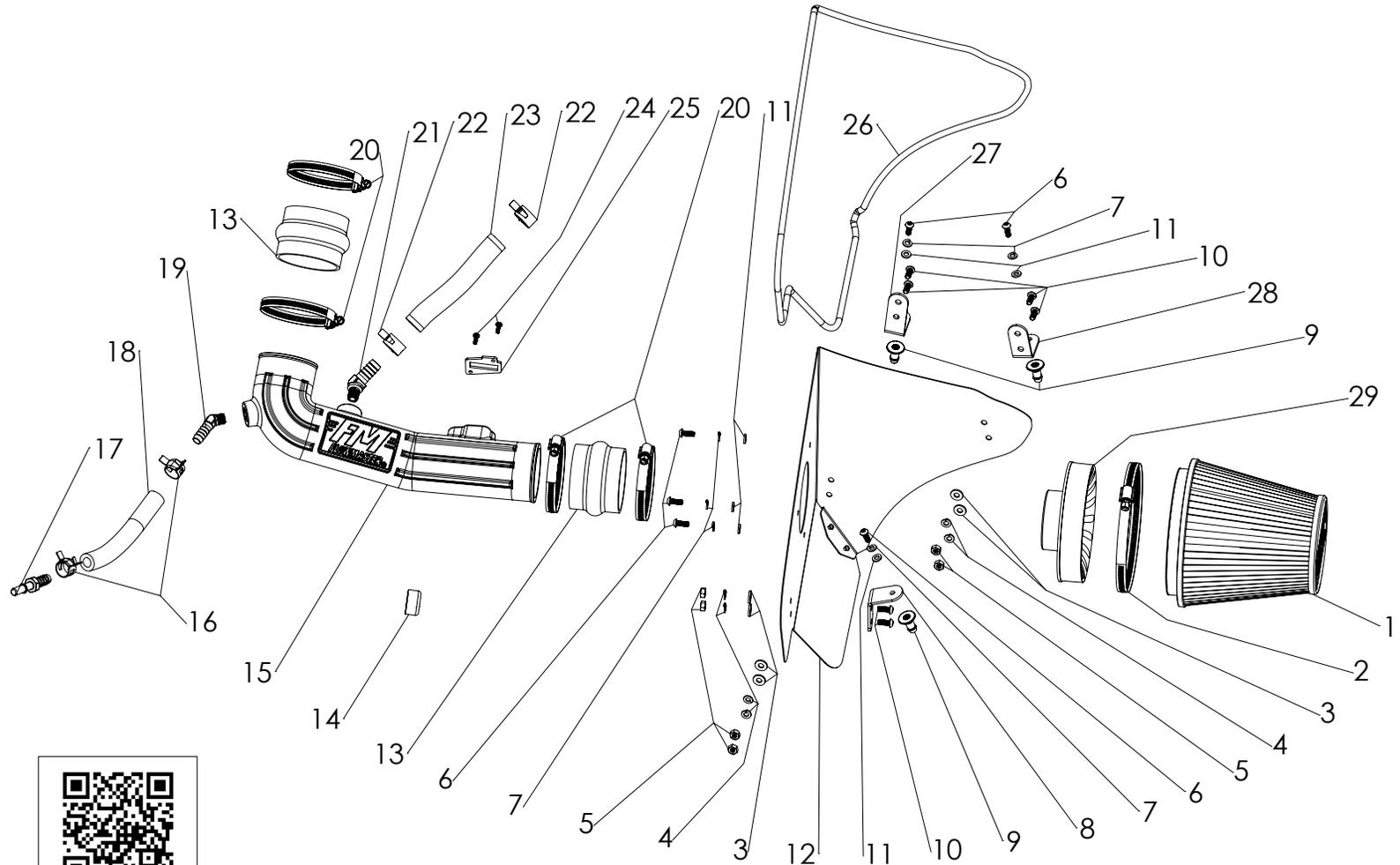


Installation Instructions

615103

2016-18 CHEVY CAMARO 3.6L Engine

NOT LEGAL FOR SALE OR USE ON ANY POLLUTION-CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR IN STATES THAT HAVE ADOPTED CALIFORNIA EMISSION PROCEDURES.



Watch our installation video on YouTube

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1		AIR FILTER, 7-1/2" x 6" DIA	1
2	AF1002	SCREW CLAMP, #104 (4-1/8" - 7")	1
3	HW320	FLAT WASHER, 1/4"	6
4	HW322	LOCK WASHER, 1/4"	6
5	HW115	NUT, 1/4"-20	6
6	HW244	SCREW, M6 x 1.0 x 16MM	6
7	HW318	LOCK WASHER, M6	6
8	AF5011	BRACKET 1, 16-17, CAMARO, 2.0L TURBO	1
9	AF7001	BARBED PIN, M6 x 1.0	3
10	HW245	SCREW, 1/4"-20 x 5/8"	6
11	HW319	FLAT WASHER, M6	6
12	AF3016	HEAT SHIELD, 16-17, CAMARO, 2.0L TURBO	1
13	AF4036	COUPLER, FLEX 3" I.D. x 2-1/2" L	2
14	AF4023	DUST CAP, 1-1/8"	1
15	AF2021	MOLDED INTAKE TUBE, 16-17 CAMARO 3.6L	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
16	MC003P	PINCH CLAMP, 1/2" HOSE	2
17	AF4042	FITTING, STRAIGHT 3/8" QUICK CONN TO 1/2" BARB	1
18	49000064	HOSE, 1/2" I.D.	6"
19	AF4029	ELBOW, 45°, 1/2" BARB TO 1/4" NPT MALE	1
20	MC314H	SCREW CLAMP, #52 (2-13/16" - 3-3/4")	4
21	AF4041	ELBOW, 45°, 5/8" BARB TO 1/4" NPT MALE	1
22	MC004P	PINCH CLAMP, 5/8" HOSE	2
23	49000068	HOSE, 5/8" I.D.	6"
24	HW248	SCREW, M4 x 0.7 x 12MM	2
25	GA139	GASKET, MAF SENSOR	1
26	49000061	GASKET, HEAT SHIELD	66"
27	AF5013	BRACKET 3, 16-17, CAMARO, 2.0L TURBO	1
28	AF5012	BRACKET 2, 16-17, CAMARO, 2.0L TURBO	1
29	AF6004	ADAPTER, AIR FILTER 3" x 6"	1

REVIEW THE INSTRUCTIONS AND VERIFY THE KIT CONTENTS:

1. Please take a moment to read and understand these instructions before installing your Flowmaster cold air intake kit.



2. Use the parts drawing and list (front page) 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 and separate the 1/4-20 screws, item (10) (used with nuts (5)), and the M6 screws (6) (used with filter adapter (29) and barbed inserts (9)).

REMOVE THE FACTORY AIR INTAKE SYSTEM:

NOTES

- We highly recommend that you retain all factory air intake system parts.
- Please refer to vehicle manufacturer's recommendations regarding removal of factory components.
- Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicle's anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicle's anti-theft code.

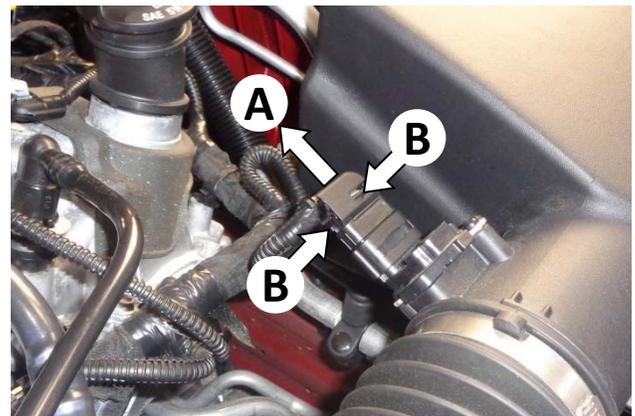
3. Turn off the vehicle's ignition and disconnect the negative battery cable.



4. Remove engine cover screw and oil fill cap.



5. Remove engine cover, then reinstall oil fill cap.



6. Disconnect the mass airflow (MAF) sensor plug by (A) pulling the locking tab (on the back of the plug) away from the sensor until it stops, then (B) squeezing the flat sides of the plug and pulling it straight off the sensor.



7. Loosen the hose clamp securing the air intake duct to the airbox, and disconnect the duct from the airbox.



8. Release the clip that secures the MAF sensor lead to the airbox.



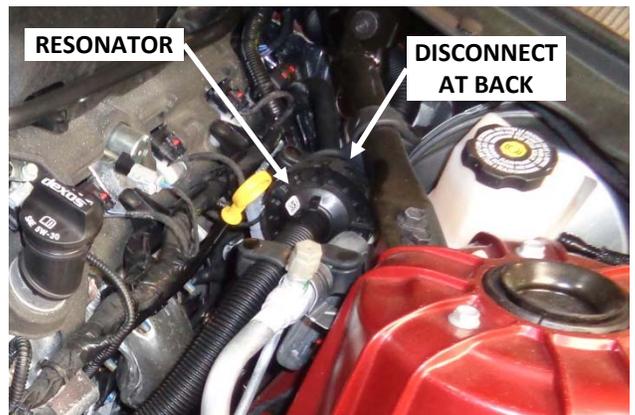
9. Grasp each corner of the airbox (at the arrows), one at a time, and firmly pull straight up to release each mount pin from its rubber grommet. After releasing all three pins, remove the airbox.



10. The PCV hose clamp is not reusable. Carefully cut and remove the clamp, then disconnect the hose from the intake duct.



11. Disconnect the resonator hose from the bottom of the intake duct by squeezing the locking ring and pulling straight down.



12. Disconnect the hose from the back side of the resonator. (The resonator and front hose are one piece.) The connection uses the same style locking ring as seen in Step 11.



13. Disconnect the four clamps shown, and remove the resonator and hose from the vehicle. (The clamps may be left attached to the resonator and hose.)



14. Disconnect the EVAP system hose from the intake duct.

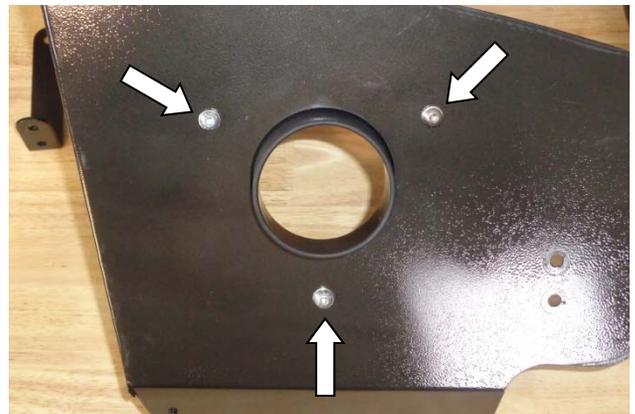


15. Loosen hose clamp securing the air intake duct to the throttle body. Disconnect the duct from the throttle body, and remove the duct from the vehicle.

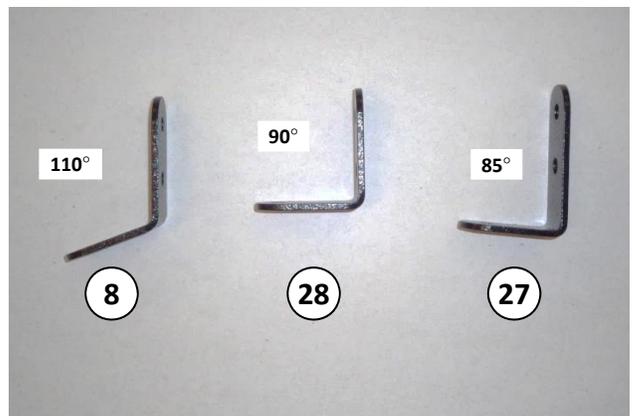


16. Remove the MAF sensor from the airbox, then remove the stock gasket from the sensor.
CAUTION: The sensor is delicate! Handle it with care, and store it in a safe location until reinstallation.

ASSEMBLE AND INSTALL YOUR FLOWMASTER COLD AIR INTAKE SYSTEM:



17. Assemble air filter adapter (29) to heat shield (12) using M6 screws (6), lock washers (7) and flat washers (11).



18. Identify airbox brackets (8), (28) and (27) by their bend angles, as shown above.



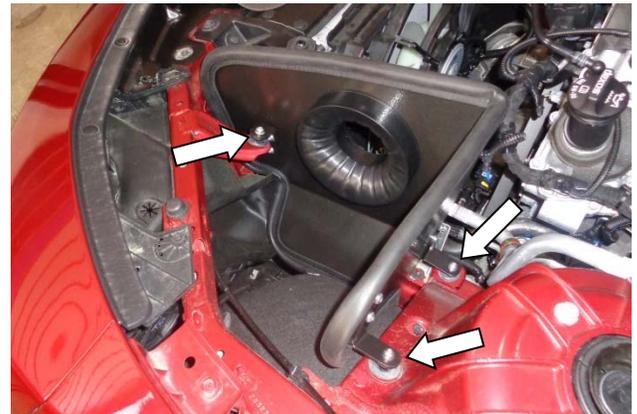
19. Attach bracket (8) to airbox using ¼-20 screws (10) (on the bracket side), and flat washers (3), lock washers (4) and nuts (5) (on the airbox side).



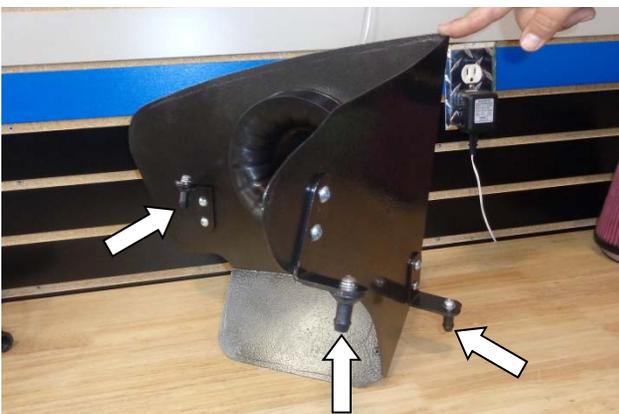
22. Attach gasket (26) to heat shield. Starting on one side of bracket (28), firmly press the gasket onto the edge, gradually working around the heat shield. When you reach the other side of the bracket, trim the gasket to fit using metal-cutting shears.



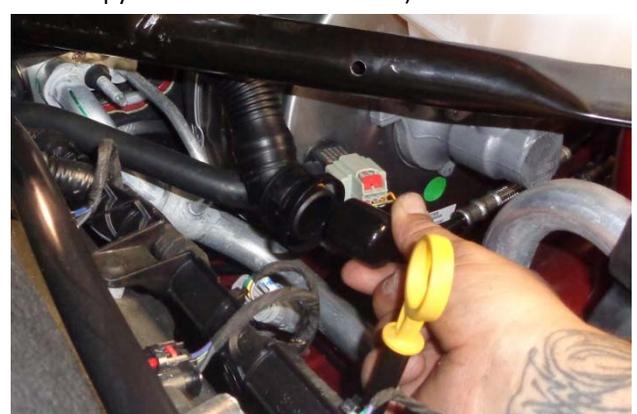
20. Attach brackets (28) and (27) to airbox using ¼-20 screws (10) (on the bracket side), and flat washers (3), lock washers (4) and nuts (5) (on the airbox side).



23. Install the assembled airbox in the vehicle by aligning the 3 barbed pins with their rubber grommets. Push each pin into its grommet, one at a time. (NOTE: Moistening the grommets with soapy water will ease insertion.)



21. At each bracket, install barbed pin (9), using M6 screw (6), lock washer (7) and flat washer (11).



24. Install dust cap (14) on open end of resonator hose.



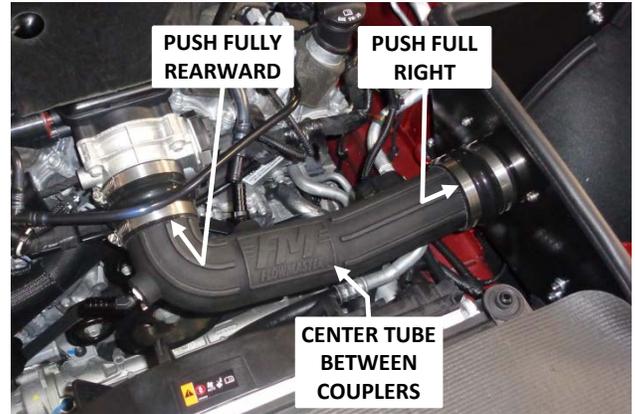
25. Apply 2 wraps of nylon thread tape to threads of 1/2" elbow (19) and 5/8" elbow (21), and install them into the intake tube (15) at the locations shown.



26. Install MAF sensor gasket (25) onto the sensor, ensuring correct orientation. Then install sensor in intake tube, using M4 screws (24).



27. Install two hose clamps (20) on each coupler (13), and install couplers on each end of intake tube.



28. Install intake tube in vehicle. Push left coupler up against raised stops on throttle body. Push right coupler up against heat shield. Then center the intake tube between the couplers, and tighten all hose clamps.



29. Install quick-disconnect fitting (17) in one end of 1/2" ID hose (18) and secure with pinch clamp (16). Cut hose to fit between EVAP hose connector and 1/2" elbow. Secure hose to elbow with pinch clamp (16), and connect QD fitting to EVAP hose connector.



30. Install one end of 5/8" ID hose (23) on 5/8" elbow and secure with pinch clamp (22). Cut hose to fit to PCV hose fitting. Secure hose to PCV fitting with pinch clamp (22).



31. Install MAF sensor plug on sensor, and push locking tab toward the sensor. Check plug for security.



34. Reinstall oil fill cap and engine cover screw.



32. Place clamp (2) on air filter (1), install filter on filter adapter and tighten clamp.



Congratulations, the installation of your FLOWMASTER cold air intake kit is now complete!



33. Remove oil fill cap and reinstall engine cover.