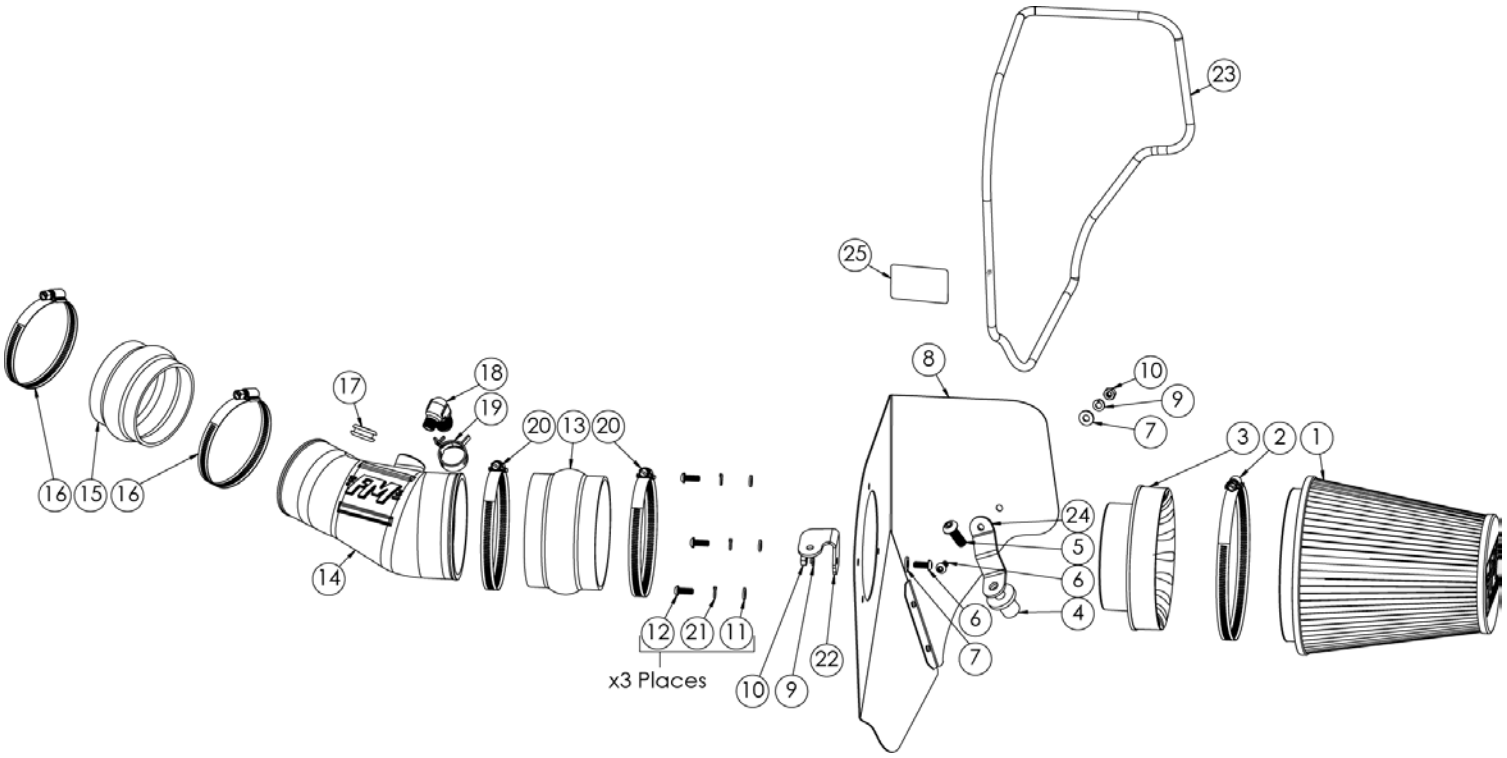
Installation Instructions

615108

SEE CARB APPROVED SPECIFIC APPLICATION IN OVERVIEW SECTION ON PAGE 2.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AF1001	AIR FILTER, 8-5/8" × 6" DIA	1
2		CLAMP, SCREW, #104 (4-1/8" - 7")	1
3	AF6003	ADAPTER, AIR FILTER 4-1/2" × 6"	1
4	HW119	WELL NUT, RUBBER, 3/8"-16	1
5	HW250	SCREW, 3/8"-16 x 1/8"	1
6	HW245	SCREW, 1/4"-20 × 5/8"	2
7	HW320	FLAT WASHER, 1/4"	2
8	AF3008	HEAT SHIELD	1
9	HW322	LOCK WASHER, 1/4"	2
10	HW115	NUT, 1/4"-20	2
11	HW319	FLAT WASHER, M6	3
12	HW244	SCREW, M6 × 1.0 × 16MM	3

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
13	AF4021	COUPLER, FLEX 4-1/2" I.D. × 3" L	1
14	AF2017	INTAKE TUBE	1
15	AF4019	COUPLER, FLEX 3-1/2" I.D. × 2-1/2" L	1
16	MC350H	CLAMP, SCREW, #56 (3-1/16" - 4")	2
17	AF4008	GROMMET, 1-1/16" O.D. × 1/2" I.D. × 3/16" THK	1
18	AF4014	ELBOW, 90°, 3/4" BARB TO 1/4" NPT MALE	1
19	MC005P	CLAMP, PINCH, 3/4" HOSE	1
20	MC450H	CLAMP, SCREW, #72 (3" - 5")	2
21	HW318	LOCK WASHER, M6	3
22	AF5016	BRACKET 1	1
23	49000061	GASKET, HEAT SHIELD	1
24	AF5017	BRACKET 2	1
25	LB698-15	CARB EO LABEL (D-698-15)	1

OVERVIEW :

2011-20 DODGE CHALLENGER; 2012-20 DODGE CHARGER; and 2012-14 CHRYSLER 300 (ALL WITH 6.4 L ENGINE):
This product has been granted CARB EO D-698-15 for the above applica ons.

2021-22 DODGE CHARGER & CHALLENGER (BOTH WITH 6.4L ENGINE):
The above applica ons are legal under the provisions of EPA's Tampering Policy dated November 23rd, 2020. The company has reasonable basis (test results) 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.

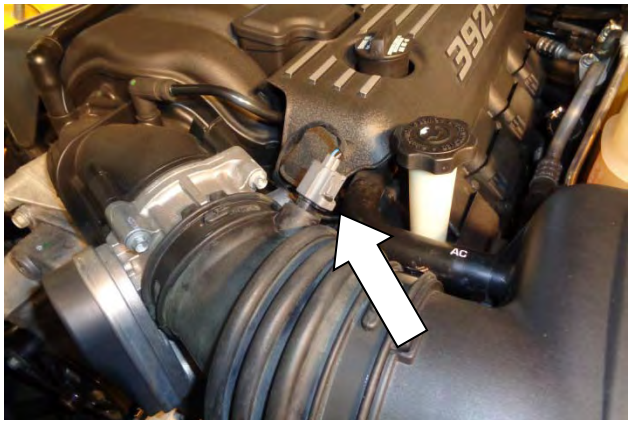
1. Please take a moment to read and understand these instruc ons before installing your Flowmaster cold air intake kit.

2. Use the parts drawing and BOM to verify your kit's contents. Contact FLOWMASTER Technical Support for replacements.

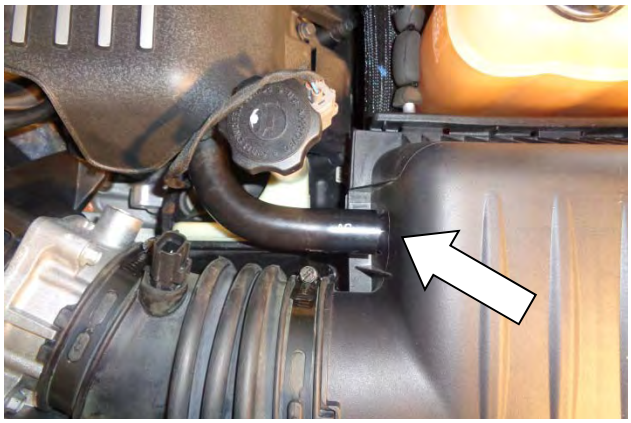
   To simplify assembly and avoid cross-threading fasteners , iden fy and separate the ¼-20 screws, item (6) (used with nuts (10)), and the M6 screws (used with filter adapter (3)).

REMOVE FACTORY AIR INTAKE SYSTEM:

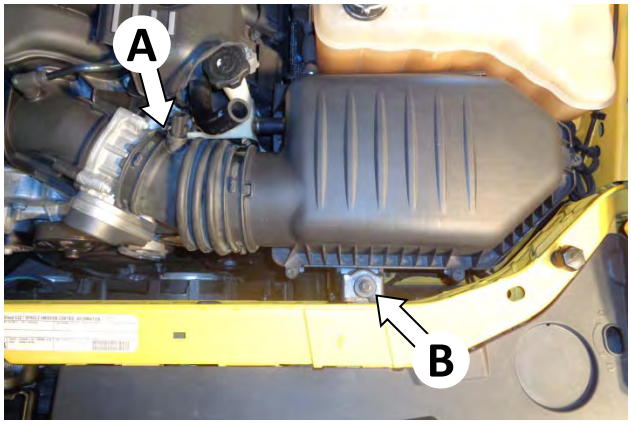
3. **Turn off vehicle's ignition.**



4. Carefully remove air intake temperature sensor electrical connector.



5. Disconnect PCV hose from airbox.



6. Loosen hose clamp (A) securing the air inlet duct to the throttle body. Remove airbox mount bolt (B) **(retain for installation at Step 13)**. Then carefully remove assembled airbox and inlet duct from vehicle.

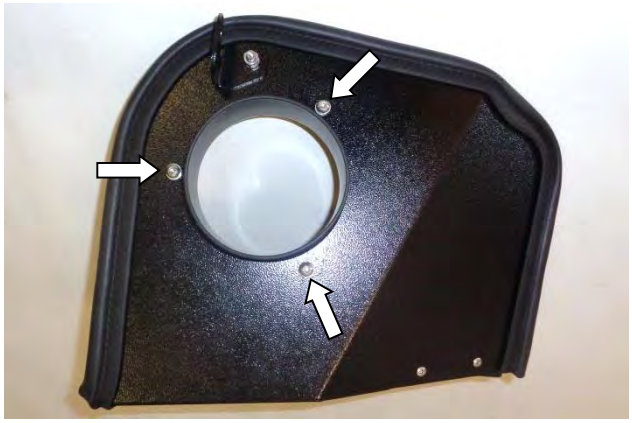
7. The air inlet temperature sensor is retained in the intake duct by friction. Firmly grasp it and, while pulling it away from the duct, carefully wiggle it around. After removing the sensor, remove its O-ring. **CAUTION: The sensor is delicate!** Handle with care, and store in a safe location until reinstallation.

ASSEMBLE AND INSTALL YOUR FLOWMASTER COLD AIR INTAKE SYSTEM:

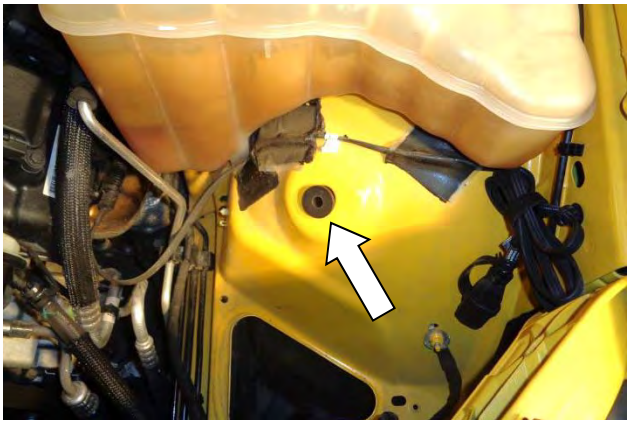
8. Attach gasket (23) to heat shield (8). Starting at the corner shown, firmly press the gasket onto the edge, gradually working around the heat shield. When you return to the starting point, trim the gasket to fit using metal-cutting shears.

9. Attach bracket (24) to heat shield at the location shown, using ¼-20 screw (6) (against the bracket), and flat washer (7), lock washer (9) and nut (10) (against the heat shield). **NOTE: Align tab on bracket with edge of heat shield, as shown.**

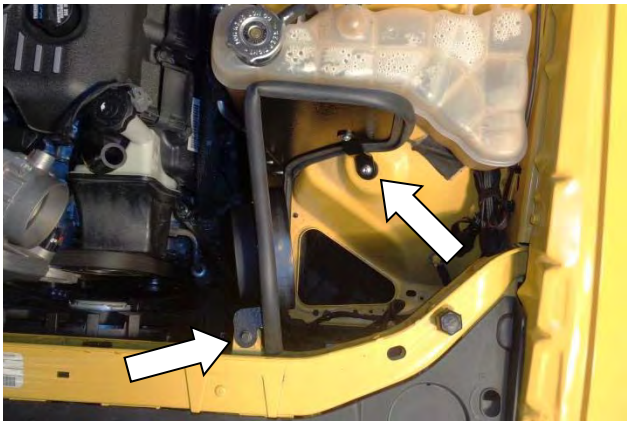
10. Attach bracket (22) to heat shield at the location shown, using nut (10) and lock washer (9) (against the bracket) and ¼-20 screw (6) and flat washer (7) (against the heat shield). **NOTE: Orient bracket so that tab is parallel to top edge of heat shield, as shown.**



11. Assemble air filter adapter (3) to heat shield using M6 screws (12), lock washers (21) and flat washers (11).



12. Insert rubber well nut (4) in hole in wheel well.

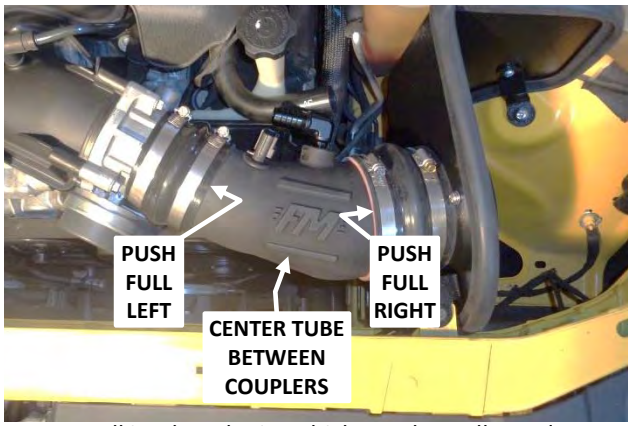


13. Place assembled heat shield in the vehicle. Adjust alignment of brackets if required. Secure bracket (22) with stock bolt **(removed at Step 6)**, and secure bracket (24) with ⅜-16 screw (5).

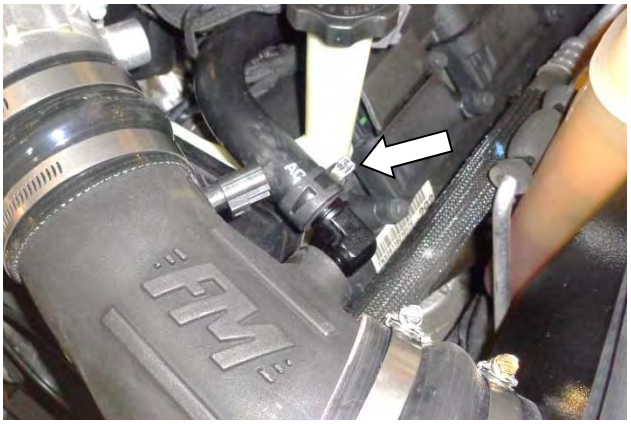
14. Install rubber grommet (17) in intake tube (14). Apply 2 wraps of nylon thread tape to threads of barbed elbow (18), and install elbow in tube.

15. Install two small hose clamps (16) on small flex coupler (15), and install coupler on throttle body side of intake tube. Install two large hose clamps (20) on large flex coupler (13), and install coupler on air filter side.

16. Carefully insert the intake air temperature sensor into the grommet, ensuring that the tab points downstream. (NOTE: Moistening the grommet with soapy water will ease insertion.)



17. Install intake tube in vehicle. Push small coupler up to raised stops on throttle body. Push large coupler up to heat shield. Then center intake tube between couplers, and tighten all hose clamps.



18. Secure PCV hose to barbed elbow with pinch clamp (19).

19. Reinstall connector on the intake air temperature sensor and verify that the connector is secure.

20. Install clamp (2) on air filter (1), install filter on filter adapter and tighten clamp.

21. Affix the CARB EO label (25) to a clean, readily-visible location under the hood (e.g., near the hood latch).

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