

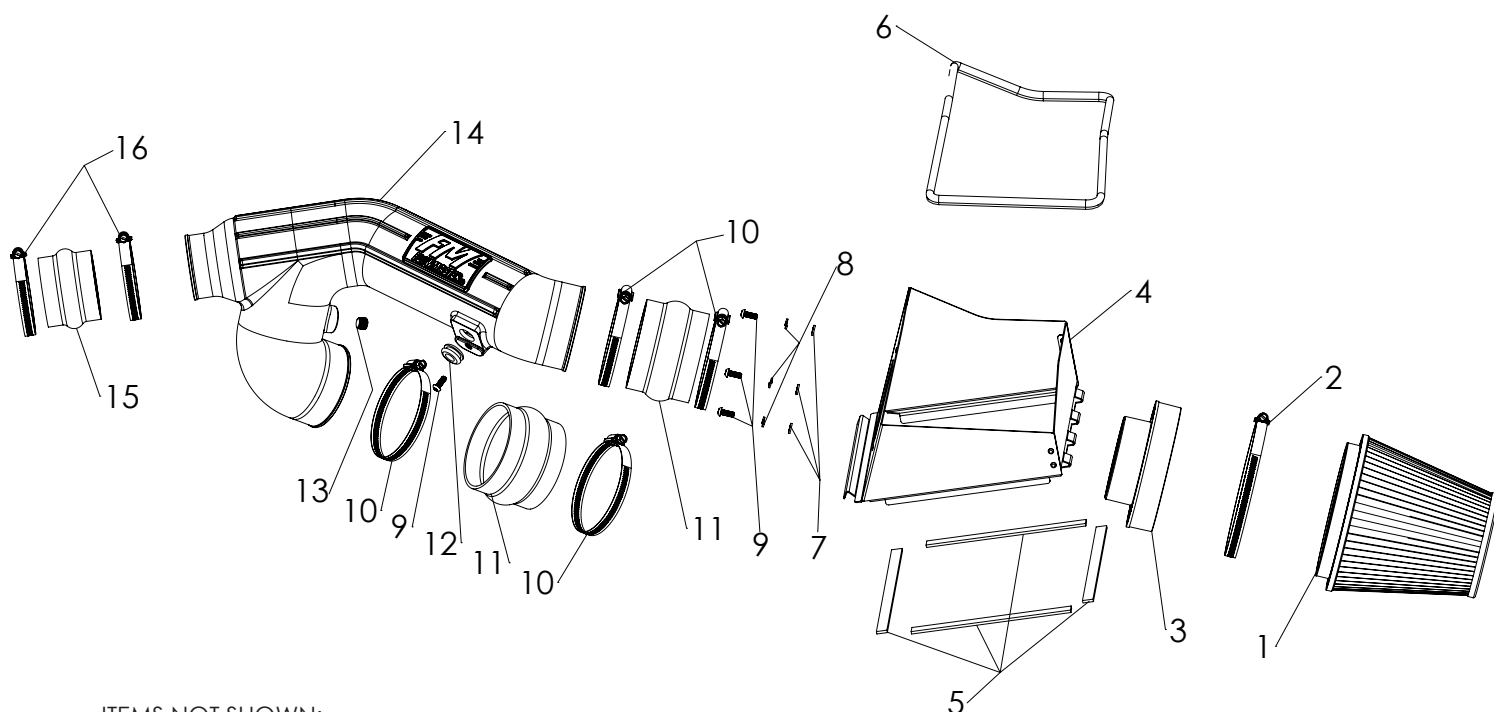


Installation Instructions for

315149D

**Air Intake for Ford F-150
2012-2014 with 3.5L EcoBoost**

THIS INTAKE SYSTEM IS 50-STATE LEGAL FOR THE VEHICLES LISTED ABOVE PER CARB EXECUTIVE ORDER D-698-2. SEE WWW.FLOWMASTERMUFFLERS.COM FOR CARB STATUS OF INTAKE SYSTEMS FOR OTHER VEHICLES.



ITEMS NOT SHOWN:

17 = EO DECAL

18 = PRE-FILTER WRAP

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	AF1006	AIR FILTER, DRY MEDIA 7-1/2" x 6" DIA	1
2		SCREW CLAMP, #104 (4-1/8" - 7")	1
3	AF6002	ADAPTER, AIR FILTER 4" x 6"	1
4	AF3018	HEAT SHIELD, FORD F-150	1
5	49000067	SEAL STRIP, ADHESIVE, 1/8" x 1/2"	48"
6	49000061	GASKET, HEAT SHIELD	48"
7	HW319	FLAT WASHER, M6	3
8	HW318	LOCK WASHER, M6	3
9	HW244	SCREW, M6 x 1.0 x 16MM	4

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
10	MC400H	SCREW CLAMP, #64 (3-9/16" - 4-1/2")	4
11	AF4005	COUPLER, FLEX 4" I.D. x 3" L	2
12	AF4008	GROMMET, 1-1/16" OD x 1/2" ID x 3/16" THK	1
13	AF4033	PLUG, 1/4" NPT	1
14	AF2028	INTAKE TUBE, FORD F-150	1
15	AF4036	COUPLER, FLEX 3" I.D. x 2-1/2" L	1
16	MC314H	SCREW CLAMP, #52 (2-13/16" - 3-3/4")	2
17	LB698-2	EXECUTIVE ORDER DECAL - NOT SHOWN	1
18	615003P	PRE FILTER WRAP, FOR AF1002 (OILED) & AF1006 (DRY) FILTERS - NOT SHOWN	1

315149D

Rev 10/02/18

www.flowmastermufflers.com
Technical Support (707) 544-4761

Page 1 of 6

REVIEW THE INSTRUCTIONS AND VERIFY THE KIT CONTENTS:

1. Please take a moment to read and understand these instructions before installing your Flowmaster performance 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.

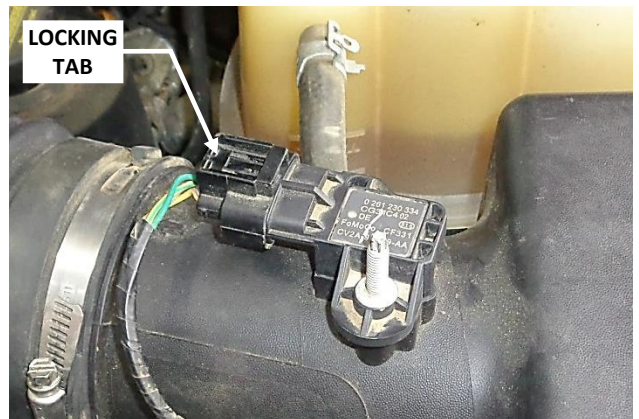
REMOVE THE FACTORY AIR INTAKE SYSTEM:

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. Loosen the screw clamps on the three ends of the air intake duct.



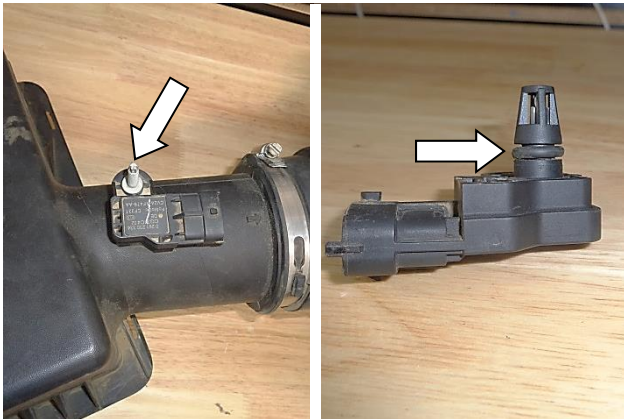
5. Disconnect the electrical plug from the Mass Airflow (MAF) sensor by squeezing the locking tab, then pulling the plug straight off the sensor.



6. Release the three airbox cover latches.

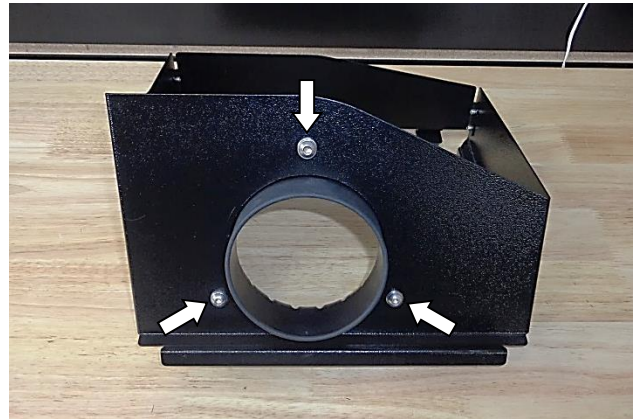


7. Separate the intake duct from the two turbocharger inlets and remove the intake duct and airbox cover as a unit. Then remove the stock air filter.



8. Remove the MAF sensor from the intake duct, then remove the o-ring 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 PERFORMANCE AIR INTAKE SYSTEM:



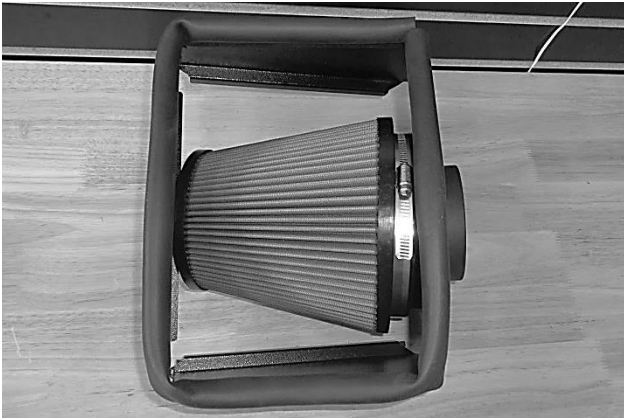
9. Assemble the air filter adapter (3) to the heat shield (4) using the M6 screws (9), lock washers (8) and flat washers (7).



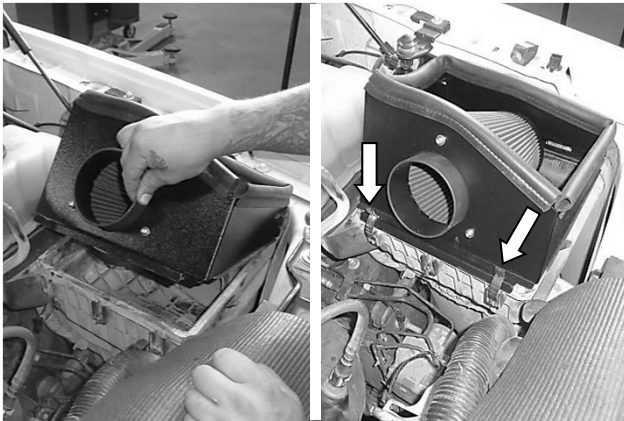
10. Attach the gasket (6) to the heat shield. Firmly press the gasket onto the heat shield, gradually working your way around. When you return to the starting point, use metal-cutting shears to trim the gasket to length.



11. Cut the adhesive seal strip (5) to the lengths required, and apply it to the four flat edges of the heat shield.



12. Place the optional pre-filter wrap (18) (if desired) and the #104 screw clamp (2) onto air filter (1), then install the filter on the filter adapter and tighten the clamp.



13. Insert the four tabs on the heat shield into the slots on the side of the stock airbox. Secure the heat shield to the airbox with the front and rear latches only. NOTE: The center latch will not be used, and may be removed if desired.



14. Install the grommet (12) in the intake tube (14). Then install the sensor in the grommet using the M6 screw (9). (Soapy water will ease insertion of the grommet in the tube, and the sensor in the grommet.)



15. Apply 2 wraps of nylon thread tape to the threads of the plug (13), and install it in the intake tube.



16. Slip the two #52 screw clamps (16) onto the 3" flex coupler (15). Slip two #64 screw clamps (10) onto a 4" flex coupler (11). Push each coupler onto the intake tube, and snug—do not tighten—only the tube clamps at this time. (Leave the other clamps loose.)



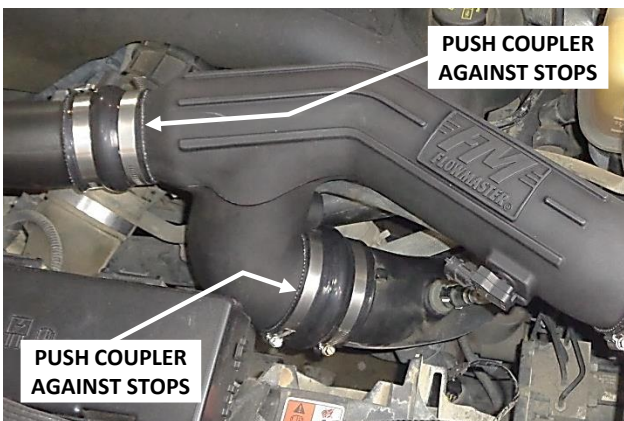
17. Slip the two remaining #64 screw clamps (10) onto the other 4" flex coupler (11). Push the coupler onto the intake tube, and snug—do not tighten—only the tube clamps at this time. (Leave the other clamps loose.)



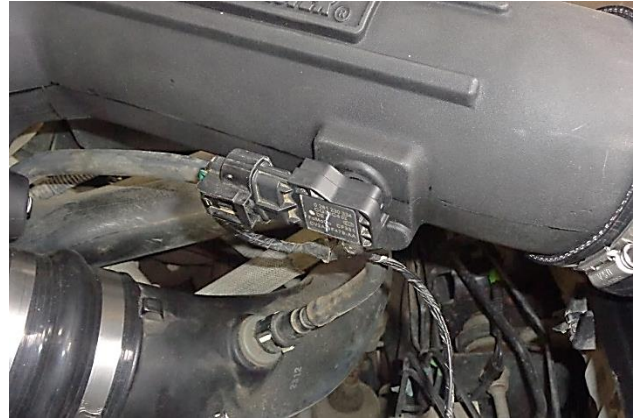
18. Install the intake tube in the vehicle, slipping the couplers over the two turbo inlets and filter adapter.



19. Push the right coupler up against the heat shield, then tighten only the filter adapter clamp at this time.



20. Push the other two couplers up against the stops on the turbo ducts and tighten the turbo duct clamps. Center the intake tube between all three couplers, so that about the same length of tube is inserted in each coupler. Then tighten the three screw clamps on the intake tube.



21. Push the MAF sensor plug onto the sensor until it clicks, then verify the connection is secure.



22. Affix the CARB Exemption Order label (17) to a clean, readily-visible location under the hood (e.g., near the hood latch), so an inspector can easily see it at emissions testing.



Congratulations, the installation of your Flowmaster performance air intake kit is now complete!

VECI LABEL NOTE



California emissions law requires the Vehicle Emission Control Information (or VECI) label to be readily-visible in the engine compartment.



If your VECI label is affixed to the stock airbox (as shown in the example above), a replacement label must be obtained and affixed to a suitable location in the engine compartment.

Replacement VECI labels can be ordered from the dealership or from on-line suppliers. Be prepared to provide your VIN number, since the label is VIN number-specific.

The VECI label should not be affixed to anything that is easily removed from the vehicle. We recommend that the label be affixed to the underside of the hood, adjacent to the latch. **NOTE: A missing VECI label may result in failure of the vehicle's emissions test.**

IMPORTANT: RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

Flowmaster maintains a highly-trained technical service department to answer your technical questions, provide additional product information and offer various recommendations.

Direct all correspondence and warranty questions to:

Flowmaster
100 Stony Point Rd., Suite 125
Santa Rosa, CA 95401

Flowmaster Technical Service: (707) 544-4761
Monday – Friday: 7:30 am to 5:00 pm Pacific Time
(Closed Saturday and Sunday)



CLEANING YOUR FLOWMASTER DRY SYNTHETIC AIR FILTER and PRE-FILTER WRAP

DRY SYNTHETIC AIR FILTERS

NEVER WASH YOUR DRY AIR FILTER! However, if you drive in dusty conditions, periodically blowing the filter off with low-pressure (20-30 PSI) compressed air can extend its service life.

Inspect your filter about every 6,000 miles (or, every other oil change). When you see a buildup of dust between the pleats:



1. **Tap the filter** several times on a hard, flat surface. Tap it firmly enough to dislodge any loose particles from the pleats, but not so hard as to damage it.



2. **Blow off the outside** of the filter. Blow across the filter surface (at about a 45° angle), not through the filter material. Hold the air nozzle about 6 inches away from the filter surface, always keep it moving, and point the air jet in to—not across—the pleats.



3. **Blow through** the filter, from the inside out. Keep the nozzle moving; do not hold it stationary over one place on the filter.

Replace your filter every 15-30,000 miles—more often under dusty conditions, less often under normal highway conditions.

PRE-FILTER WRAP

If the pre-filter wrap is used, wash it as needed with warm water and dish soap, rinse with clear water, and pat dry with a towel.