



**DELTA
FORCE**
PERFORMANCE INTAKES BY FLOWMASTER

Installation Instructions

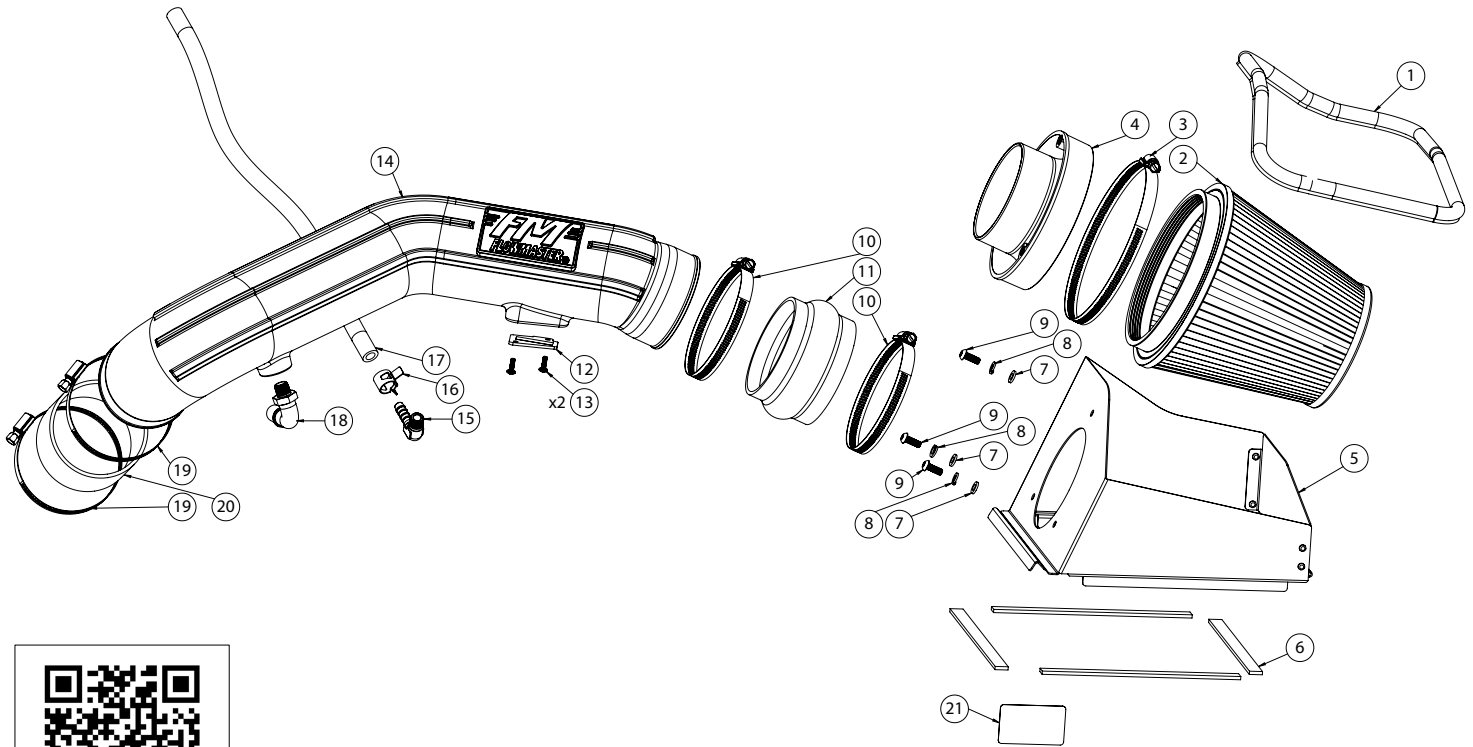
615127

2011-14 FORD F-150

5.0L ENGINE

This kit is not engineered to fit vehicles with a body lift.

THIS INTAKE SYSTEM IS 50-STATE LEGAL FOR THE VEHICLES LISTED ABOVE PER CARB EXECUTIVE ORDER D-698-5. SEE WWW.FLOWMASTERMUFFLERS.COM FOR CARB STATUS OF INTAKE SYSTEMS FOR OTHER VEHICLES.



Watch our
installation video
on YouTube

REV. 6/22/2020

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|-------------------------------------|------|
| 1 | 49000061 | GASKET, HEAT SHIELD | 48" |
| 2 | AF1002 | FILTER, AIR, 7-1/2" HIGH x 6" DIA | 1 |
| 3 | | SCREW CLAMP, #104 (4-1/8" - 7") | 1 |
| 4 | AF6002 | ADAPTER, AIR FILTER, 4" x 6" | 1 |
| 5 | AF3018 | HEAT SHIELD | 1 |
| 6 | 49000067 | SEAL STRIP, ADHESIVE, 1/8" x 1/2" | 48" |
| 7 | HW319 | M6 FLAT WASHER | 3 |
| 8 | HW318 | M6 LOCK WASHER | 3 |
| 9 | HW244 | SCREW, M6 x 1.0 x 16MM | 3 |
| 10 | MC400H | SCREW CLAMP, #64 (3-9/16" - 4-1/2") | 2 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-------------|--|------|
| 11 | AF4009 | COUPLER, FLEX, 3-3/4" - 4" I.D. x 2-1/2" L | 1 |
| 12 | GA139 | GASKET, MAF SENSOR | 1 |
| 13 | HW248 | SCREW, M4 x 0.7 x 12MM | 2 |
| 14 | AF2018 | INTAKE TUBE | 1 |
| 15 | AF4039 | ELBOW, 90°, 3/8" BARB TO 1/4" NPT MALE | 1 |
| 16 | MC002P | PINCH CLAMP, 3/8" I.D. HOSE | 1 |
| 17 | 49000065 | HOSE, 3/8" I.D. | 18" |
| 18 | AF4024 | ELBOW, 90°, 5/8" QUICK CONN TO 1/4" NPT MALE | 1 |
| 19 | MC350H | SCREW CLAMP, #56 (3-1/16" - 4") | 2 |
| 20 | AF4026 | COUPLER, STRAIGHT, 3-1/2" I.D. x 2-1/2" L | 1 |
| 21 | LB698-5 | CARB EO LABEL | 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.

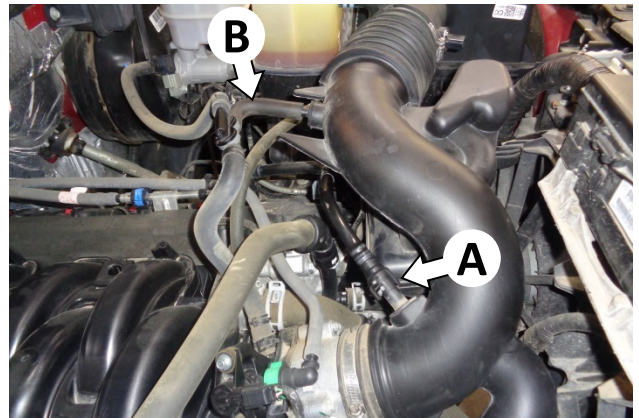
REMOVE THE FACTORY AIR INTAKE SYSTEM:

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.



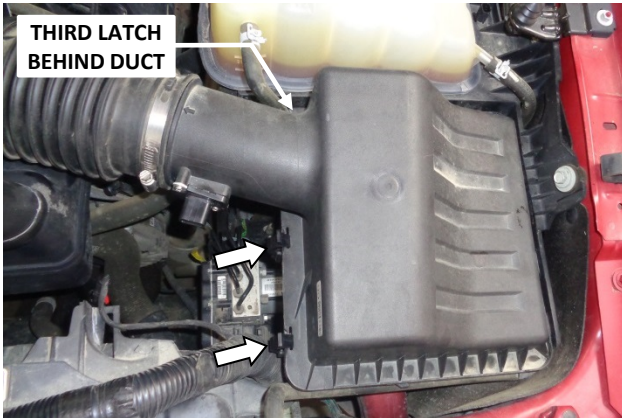
4. Disconnect the mass airflow (MAF) sensor plug by pulling the locking tab (on the bottom of the plug) away from the sensor until it stops, then pulling the plug straight off the sensor.



5. On the PCV hose connector (A), release the latch and disconnect the hose from the intake duct. Disconnect the EVAP hose (B) from both the intake duct and the check valve.



6. Loosen the screw clamp securing the air intake duct to the throttle body.



7. Release the three airbox cover latches.

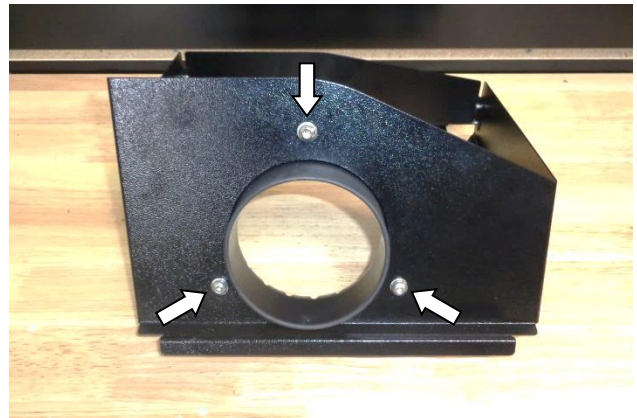


8. Separate the intake duct from the throttle body, then remove the assembled duct and airbox cover from the vehicle. Remove the stock air filter.



9. Remove the MAF sensor from the airbox cover, 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.

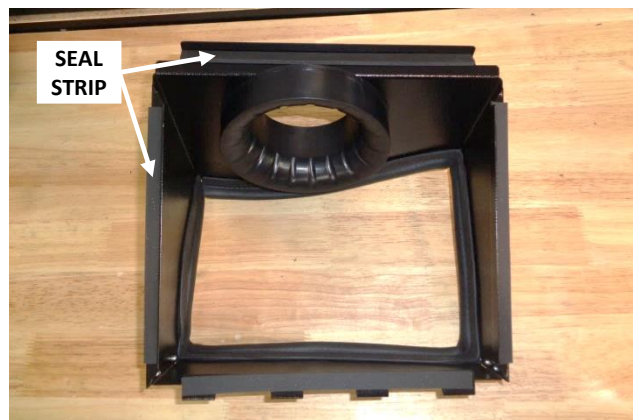
ASSEMBLE AND INSTALL YOUR FLOWMASTER COLD AIR INTAKE SYSTEM:



10. Assemble the air filter adapter (4) to the heat shield (5) using the M6 screws (9), lock washers (8) and flat washers (7).



11. Attach the gasket (1) 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.



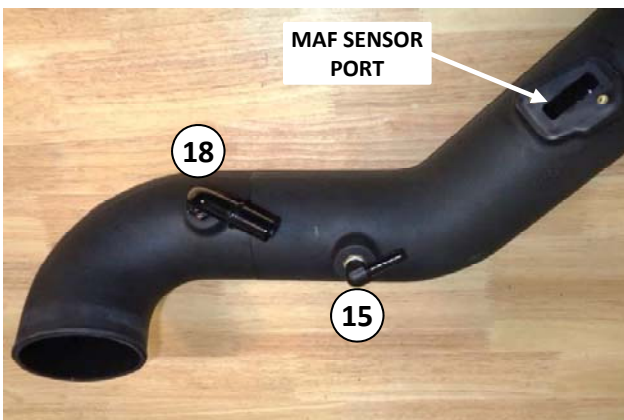
12. Cut the adhesive seal strip (6) to length as required, and apply it to the four edges of the heat shield.



13. Slip the 2 larger screw clamps (10) onto the flex coupler (11). Install the large end of the coupler onto the air filter adapter, pushing it flush against the heat shield. Tighten only the filter adapter clamp at this time. (Leave the other clamp loose.)



14. Slip screw clamp (3) onto air filter (2), then install the filter on the filter adapter and tighten the clamp.



15. Apply 2 wraps of nylon thread tape to the threads of the 5/8" quick connect elbow (18) and the 3/8" barbed elbow (15). Install the elbows in the intake tube (14), oriented approximately as shown.



16. Slip the 2 smaller screw clamps (19) onto the straight coupler (20), then push the coupler onto the intake tube. Snug (do not tighten) only the tube clamp at this time. (Leave the other clamp loose.)



17. Place the MAF sensor gasket (12) over the sensor, ensuring correct orientation. Then install the sensor in the intake tube, using M4 screws (13).



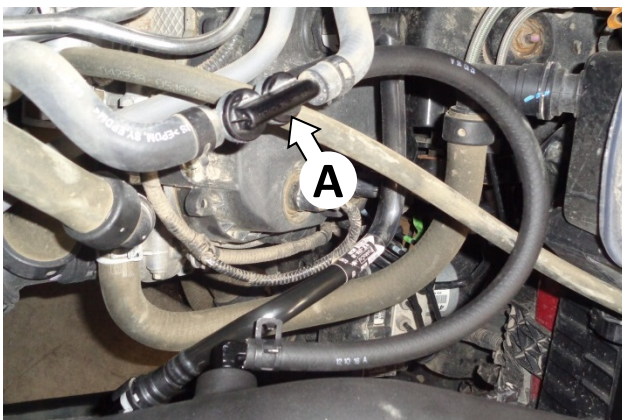
18. Assemble the intake tube and heat shield. Snug the tube clamp (do not tighten at this time).



19. Insert the four tabs on the heat shield into the slots on the airbox. Lower the intake tube and install the straight coupling on the throttle body. Secure the heat shield to the airbox with the two outer latches. NOTE: The center latch is not used.



20. Push the straight coupling up against the throttle body and tighten the throttle body clamp. Then center the intake tube between the couplers (equal amounts of tube inserted in each coupler), and tighten the last two screw clamps.



21. Push one end of the 3/8" hose (17) onto the EVAP check valve (A). Route the hose to the barbed elbow as shown and cut it to length. Push the hose onto the elbow, and secure it with the pinch clamp (16).



22. Connect the PCV hose to the quick-connect elbow, close the latch on the connector, and check the security of the connection.



23. Reinstall the MAF sensor plug on the sensor, close the locking tab, and verify that the connection is secure.

FLOWMASTER CARB EO #
THE PERFORMANCE TECHNOLOGY COMPANY™

DELTA FORCE PERFORMANCE INTAKE

D-698-5

FLOWMASTER INC. • 866-464-6553
 1801 RUSSELLVILLE ROAD, BOWLING GREEN, KY 42101

24. Affix the CARB Exemption Order label 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 cold 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, 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 by VIN number. The VECI label should be affixed somewhere that is NOT easily removed from the vehicle.

NOTE: A missing VECI label may result in failure of the vehicle's emissions test.

