

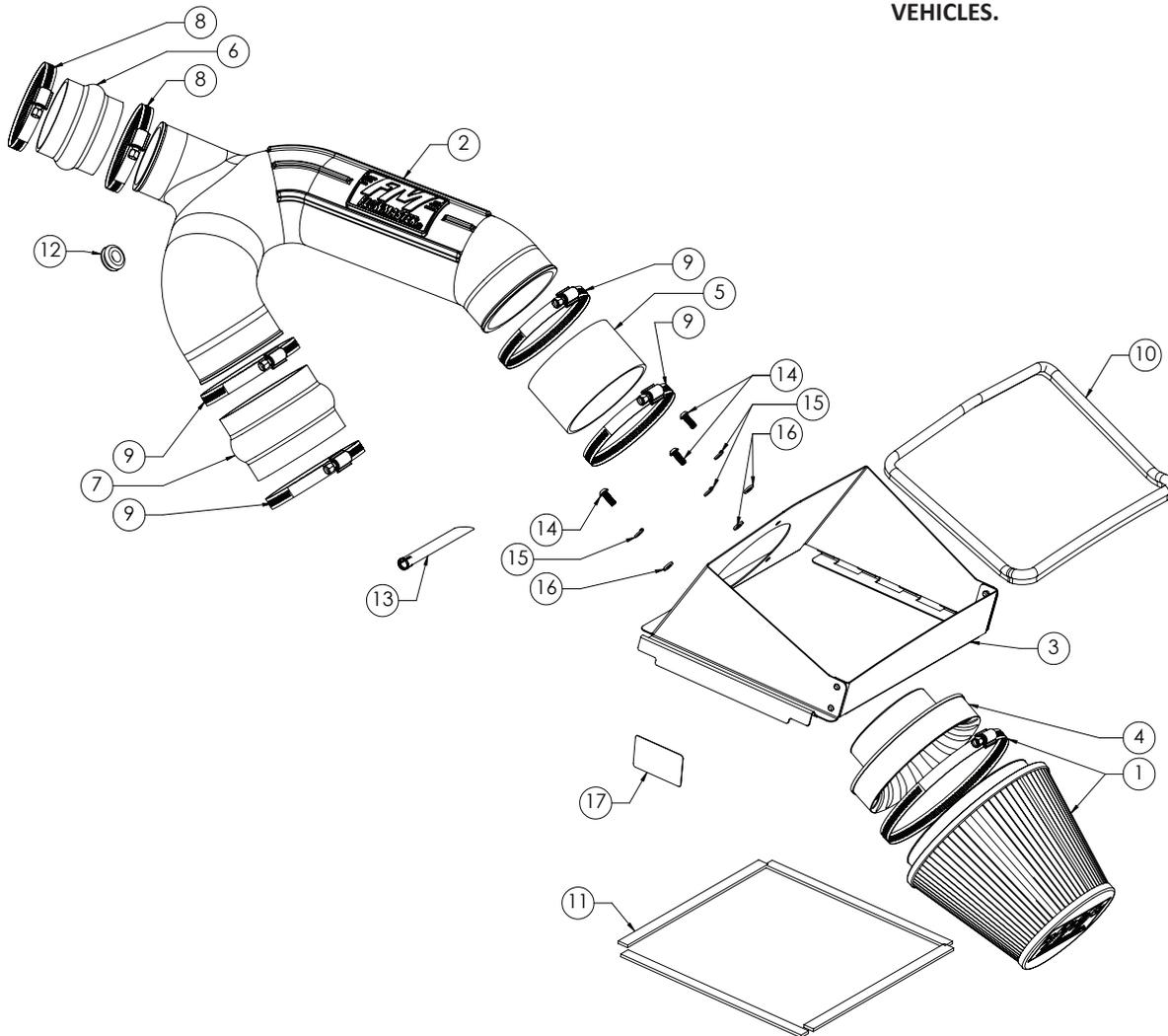


Installation Instructions

615157

**2017-18 FORD F-150
3.5L ECOBOOST ENGINE**

This kit is not designed to fit vehicles with a body lift.
THIS INTAKE SYSTEM IS 50-STATE LEGAL FOR THE VEHICLES LISTED ABOVE PER CARB EXECUTIVE ORDER D-698-7. SEE WWW.FLOWMASTERMUFFLERS.COM FOR CARB STATUS OF INTAKE SYSTEMS FOR OTHER VEHICLES.



ITM #	PART #	DESCRIPTION	QTY.
1	AF1003	6.0 x 6.63 Air Filter Cone	1
2	AF2036	Molded Intake Tube	1
3	AF3031	Airbox	1
4	AF6002	Air Filter Adapter	1
5	AF4050	4" x 2½" Straight Rubber Coupler	1
6	AF4036	3" x 2½" Hump Rubber Coupler	1
7	AF4005	4" x 3" Hump Rubber Coupler	1
8	MC314H	#52 Hose Clamp 2 ¹³ / ₁₆ " - 3 ³ / ₄ "	2
9	MC400H	#64 Hose Clamp 3 ⁹ / ₁₆ " - 4 ¹ / ₂ "	4

ITM #	PART #	DESCRIPTION	QTY.
10	49000061	Airbox Trim Seal - 48"	1
11	49000067	½" x ½" Adhesive Trim Seal - 48"	1
N/A	PK881	Hardware Package includes:	1
12	AF4008	Rubber Grommet	1
13	AF8006	Vent Tube	1
14	HW244	M6 x 1.0 x 16MM Bolt	3
15	HW318	M6 Split Lock Washer	3
16	HW319	M6 Flat Washer	3
17	LB698-7	D-698-7 Carb EO Label	1



6. Separate intake duct from turbocharger inlets, remove assembled intake duct and airbox cover from vehicle then remove stock air filter.

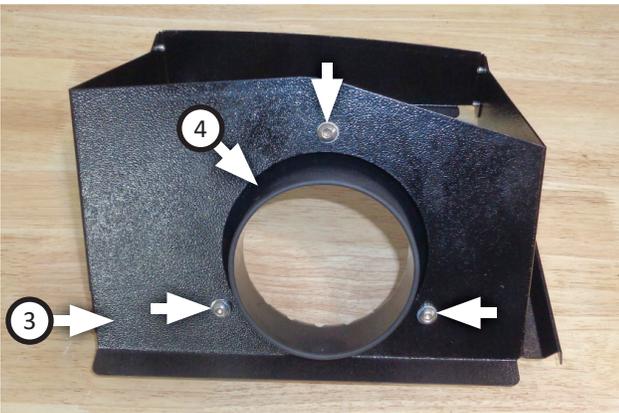


7. To remove inlet air temperature sensor from intake duct, lift its locking tab, rotate sensor a quarter-turn counter-clockwise, then pull. Remove o-ring from sensor.

CAUTION:

The sensor is delicate; handle with care, and store in a safe location until reinstallation.

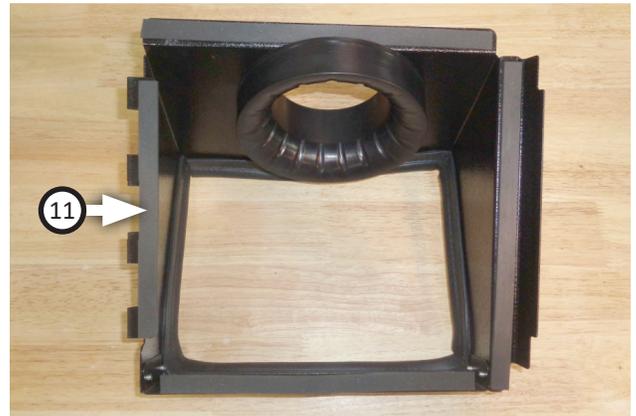
ASSEMBLE & INSTALL COLD AIR INTAKE:



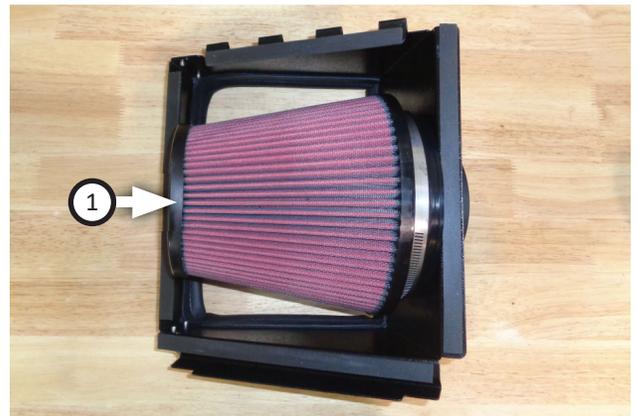
8. Assemble air filter adapter (4) to airbox (3) using bolts (14), lock washers (15) and flat washers (16).



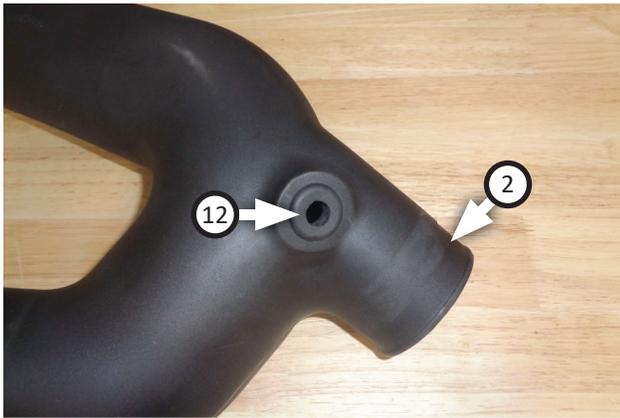
9. Firmly press gasket (10) onto airbox, gradually working your way around and trimming it to length.



10. Cut adhesive gasket (11) to lengths required, and apply it to four edges of airbox.



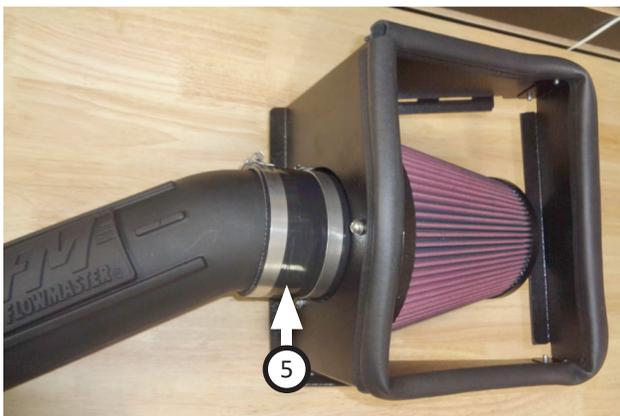
11. Slip hose clamp onto air filter (1), then install it onto filter adapter and tighten clamp.



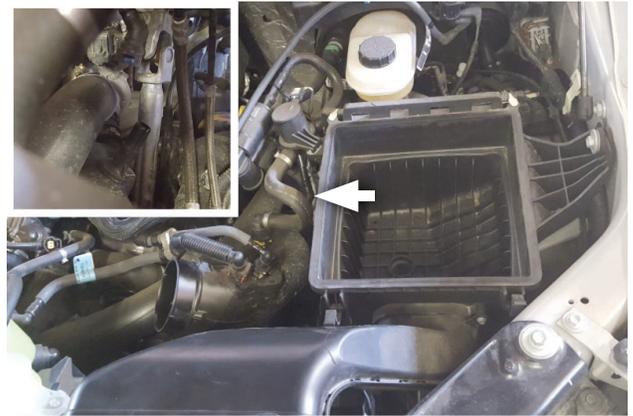
12. Install **grommet (12)** into **intake tube (2)** as shown.



13. Slip (x2) **clamps (8)** onto **hump coupler (6)**. Slip (x2) **clamps (9)** onto **hump coupler (7)**. Push each coupler onto intake tube and partially tighten clamps.



14. Slip (x2) **clamps (9)** onto **straight coupler (5)** then install it onto adapter, pushing it flush against airbox, and tighten clamp. Insert intake tube into coupler and partially tighten clamp.



15. Disconnect PCV tube from turbo inlet as shown.



16. Install **vent tube (13)** into quick connect barb orienting open end of diagonal cut towards turbo. Press it into place then reconnect PCV tube.



17. Insert (x4) airbox tabs on airbox into bracket, then lower assembly and connect (x2) couplers into turbo ducts. Do not tighten clamps.



18. Secure airbox to bracket with (x2) latches.



19. Push each coupler up against stops on turbo duct then tighten clamp. Center intake tube between all couplers, so there are approximately equal amounts of tube inserted in each coupler. Then tighten (x3) clamps on intake tube.



20. Carefully push inlet air temperature sensor into grommet and point locking tab toward air filter. Reinstall sensor plug and verify that connection is secure.

FLOWMASTER CARB EO #
THE PERFORMANCE TECHNOLOGY COMPANY™

DELTA FORCE PERFORMANCE INTAKE

D-698-7

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 1801 RUSSELLVILLE ROAD, BOWLING GREEN, KY 42101

21. Affix **CARB Exemption Order label (17)** to a clean, readily-visible location under the hood (e.g., near 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!

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