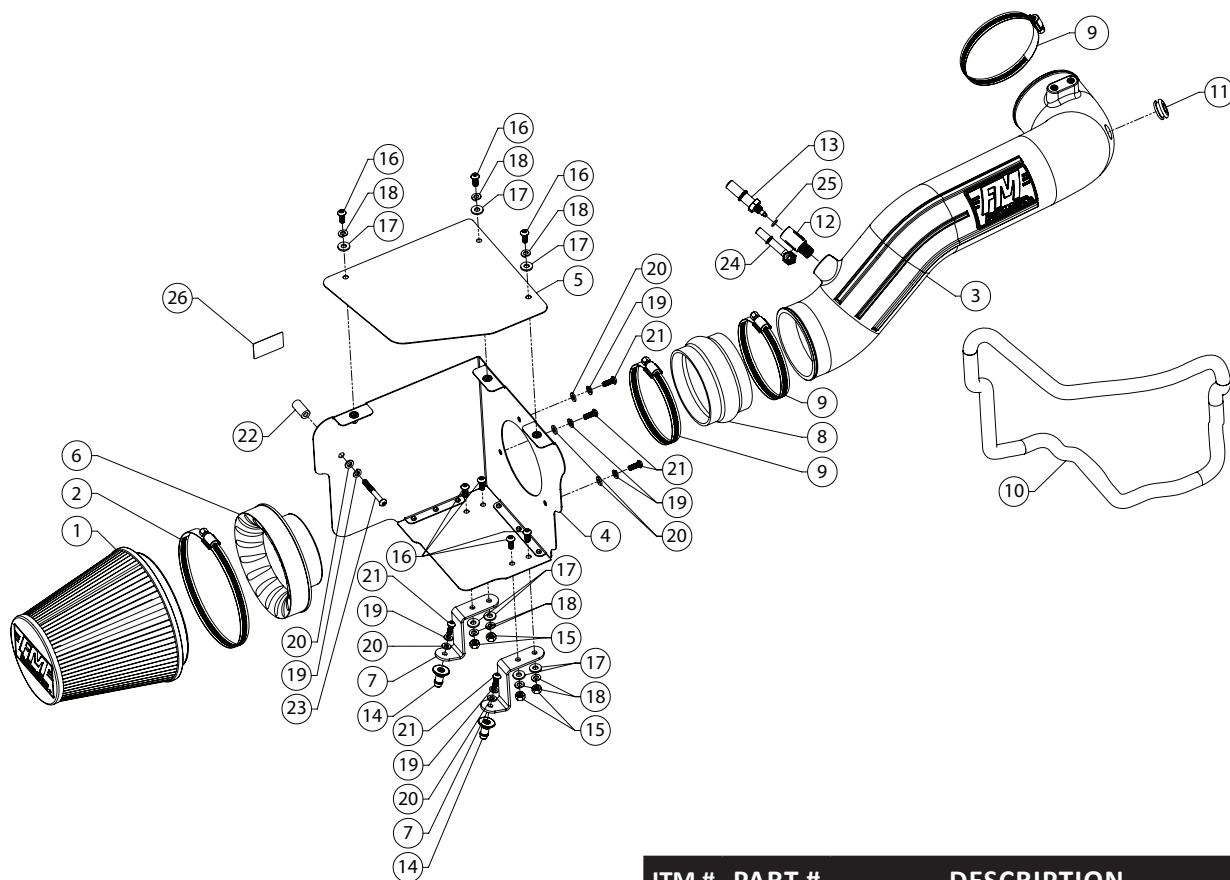




Installation Instructions **615185** **2018-23 WRANGLER JL** **2.0T ENGINE**

See CARB approved specific application in Overview section on page 2.
This kit is not engineered to fit vehicles with a body lift.



ITM #	PART #	DESCRIPTION	QTY.
1	AF1002	7½" × 6" Dia. Air Filter	1
2		#104 (4⅞" - 7") Screw Clamp	1
3	AF2081	Molded Intake Tube	1
4	AF3081	Airbox	1
5	AF3071	Heat Shield Cover	1
6	AF6002	Air Filter Adapter 4" x 6"	1
7	AF5085	Bracket 1	2
8	AF4051	4" ID × 2½" L Flex Coupler	1
9	MC400H	#64 (3⅝" - 4½") Screw Clamp	3
10	49000061-60	Heat Shield Gasket	1
N/A	PK988	Hardware Package includes:	1
11	AF4008	1⅞"OD × ½"ID × ⅜" Grommet	1
12	AF4090	⅝" QC Venturi Tee	1

ITM #	PART #	DESCRIPTION	QTY.
13	AF4091	NPT Venturi Adapter	1
14	AF7001	M6 x 1.0 Barbed Pin	2
15	HW115	¼"-20 Nut	4
16	HW245	¼-20 × ⅝" Screw	7
17	HW320	¼" Flat Washer	7
18	HW322	¼" Lock Washer	7
19	HW318	M6 Lock Washer	6
20	HW319	M6 Flat Washer	6
21	HW244	M6 × 1.0 × 16MM Screw	5
22	HW533	½" OD × 1" L Nylon Spacer	1
23	HW275	M6 × 1.0 × 50MM Screw	1
24	AF4095	90° ⅜" QC- ¼" NPT Male	1
25	HW543	O-Ring	1
26	LB698-9	CARB EO LABEL (D-698-9)	1

OVERVIEW:



2018-20 WRANGLER JL, 2.0T ENGINE

This product has been granted CARB EO D-698-9 for the above applications.



2018-24 WRANGLER JL, 2.0T ENGINE

The above applications 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



NOTE: Please inventory all parts before installation.

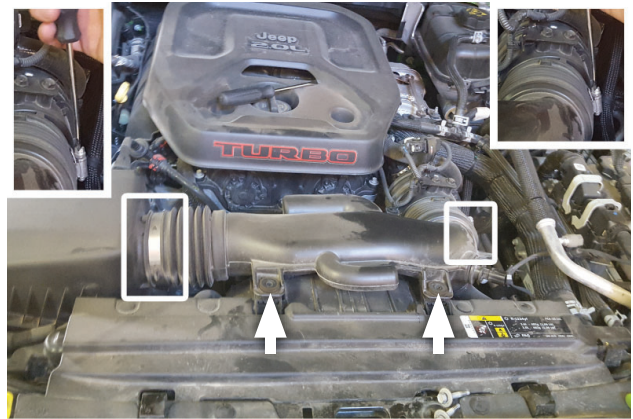
1. Take a moment to read and understand these instructions before beginning install.

WARNING: Avoid serious burns! Allow vehicle time to cool completely before handling any stock parts.

PREPARE VEHICLE FOR INSTALLATION:



2. Open hood, unplug MAF sensor and detach wire loom clamp from intake tube.



3. Loosen clamps (x2) on either side of factory intake tube, then remove bolts (x2) fastening it to vehicle frame.



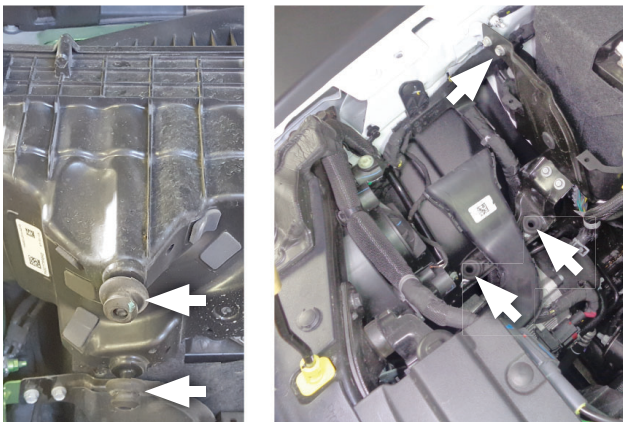
4. Remove intake tube from vehicle.



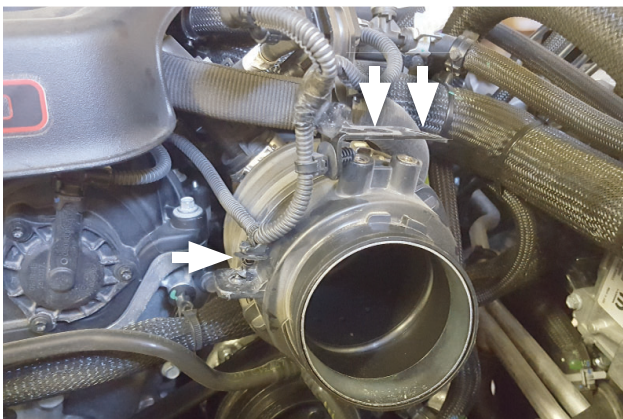
5. Disconnect evap and pcv line from airbox.



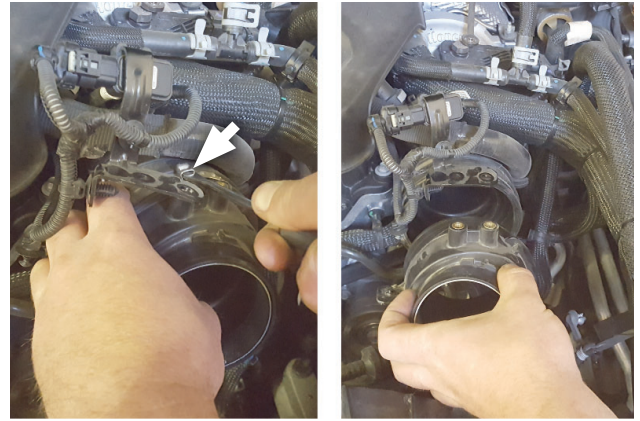
6. Remove bolt securing airbox to frame then pull airbox out of engine bay.



7. If mounting grommets (x2) stay on airbox, transfer them back into mounting holes. Remove battery tray bolt.

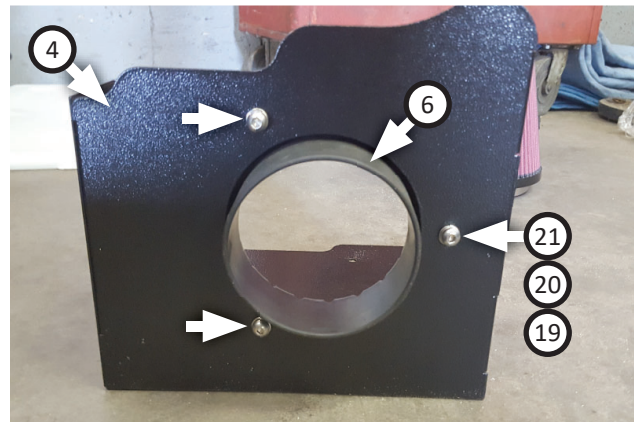


8. Remove bolts (x2) from bracket. Retain them for later use.

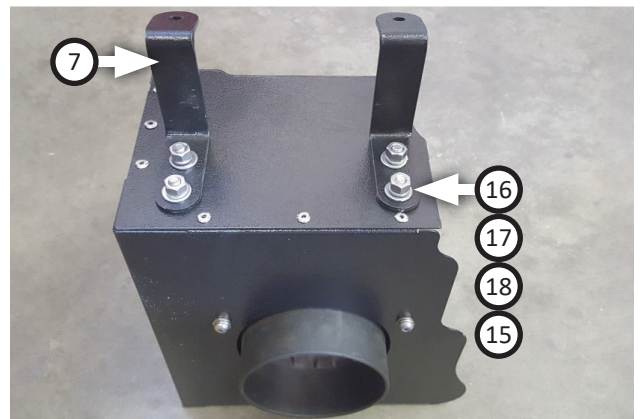


9. Loosen clamp then remove resonator from coupler.

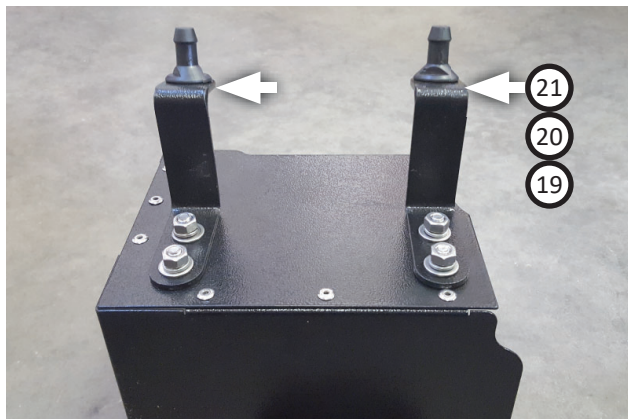
ASSEMBLE & INSTALL COLD AIR INTAKE:



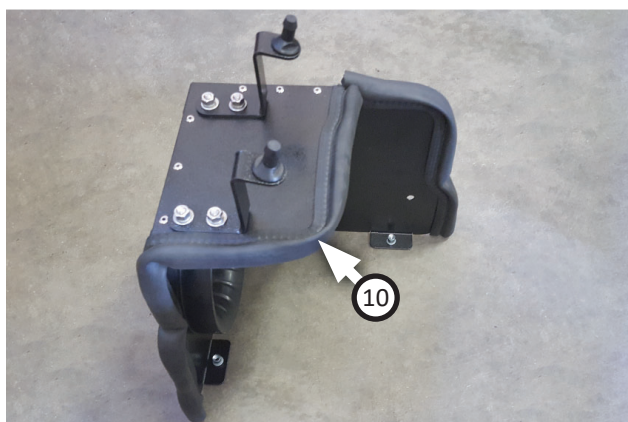
10. Install **air filter adapter (6)** into **airbox (4)** using (x3 ea.) **screws (21)**, **flat washers (20)** and **lock washers (19)**.



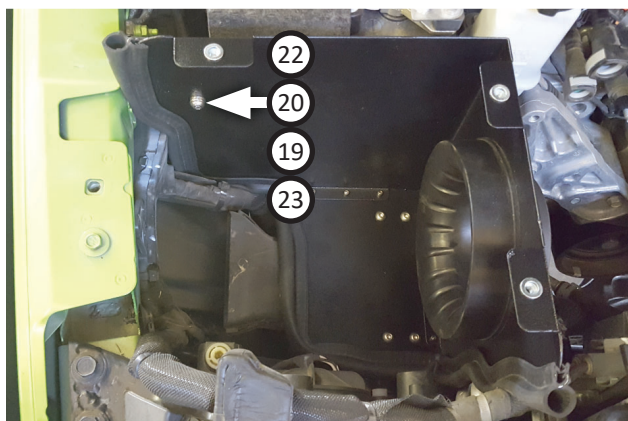
11. Install **brackets (x2) (7)** onto airbox using (x4 ea.) **screws (16)**, **flat washers (17)**, **lock washers (18)** and **nuts (15)** as shown.



12. Install **barbed pins (x2) (14)** onto brackets using (x2 ea) **screws (21)**, **flat washers (20)** and **lock washers (19)**.



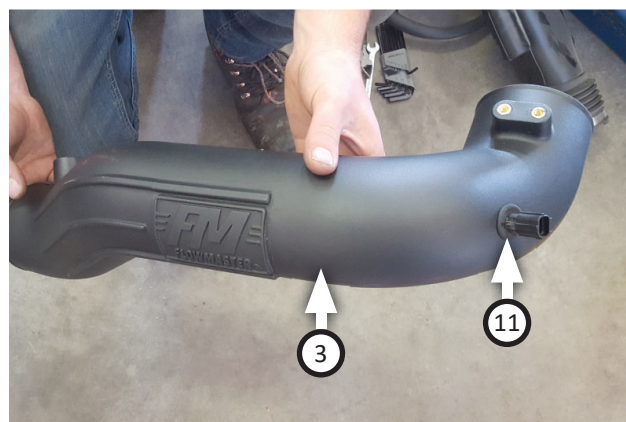
13. Wrap **heat shield gasket (10)** around edges of airbox, making sure it fits tightly. Once finished, keep remaining gasket for later use.



14. Place airbox into engine compartment. Secure **spacer (22)** to battery tray hole (from step 7) using **screw (23)**, **lock washer (19)** and **flat washer (20)**.

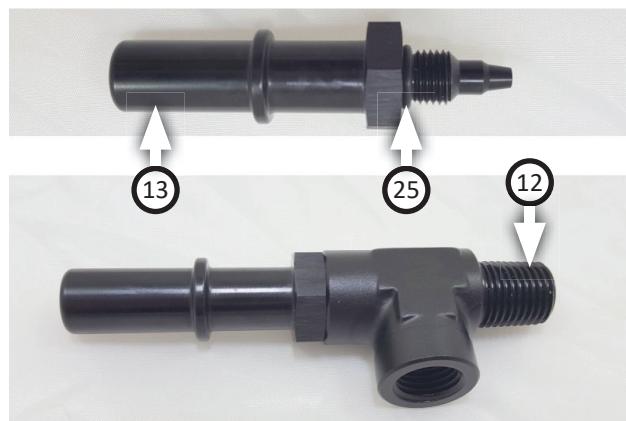


15. Remove IAT sensor from factory intake tube then remove o-ring from sensor.



NOTE: Lubricate grommet for ease of installation.

16. Fit **grommet (11)** into **intake tube (3)** then insert IAT sensor (from previous step) into it as shown.



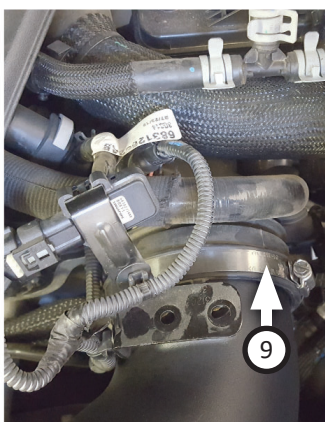
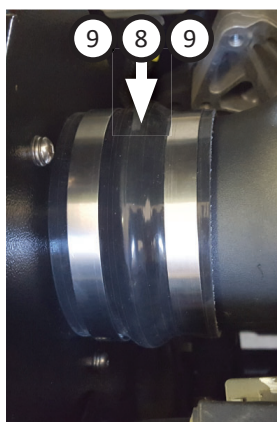
NOTE: Do NOT apply teflon tape to barb or the o-ring will not fit properly once parts are fitted together.

17. Place **o-ring (25)** onto **adapter (13)** then connect it to **tee (12)**. Thread parts together fully, then tighten them another $\frac{1}{8}$ - $\frac{1}{4}$ turn.

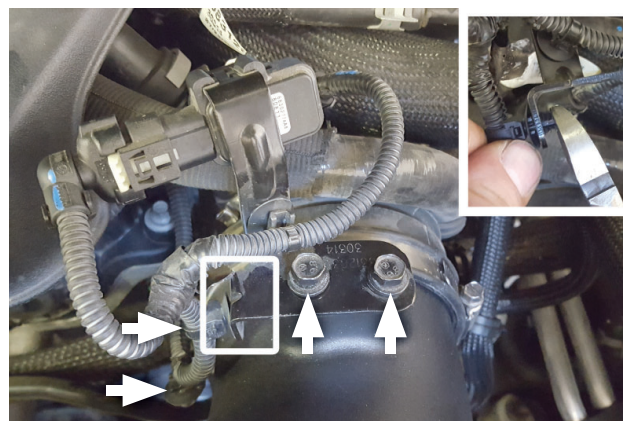


NOTE: Apply teflon tape to barbs prior to install. Then make sure fittings don't cross thread.

18. Thread 90° tee (24) fully into adapter; then thread assembly into intake tube.



19. Fit flex coupler (8) and screw clamps (x2) (9) fully onto fitting side of intake tube. Place screw clamp (9) onto resonator coupler. Place intake tube assembly into engine compartment and center tube between coupler and throttle body.



NOTE: You may have to clip end of loom barb so it can install completely without touching intake tube.

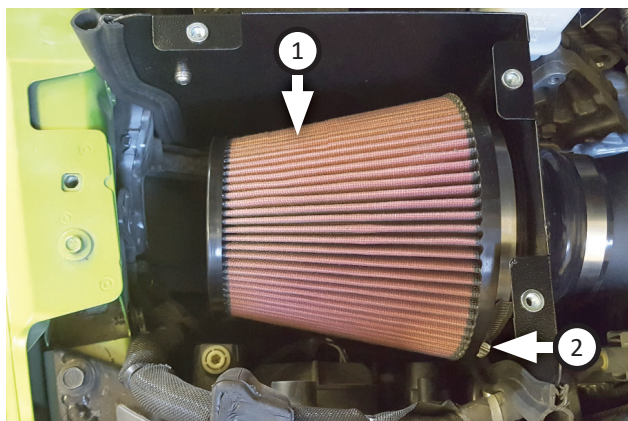
20. Install bracket onto intake tube using bolts (x2) (removed step 8).



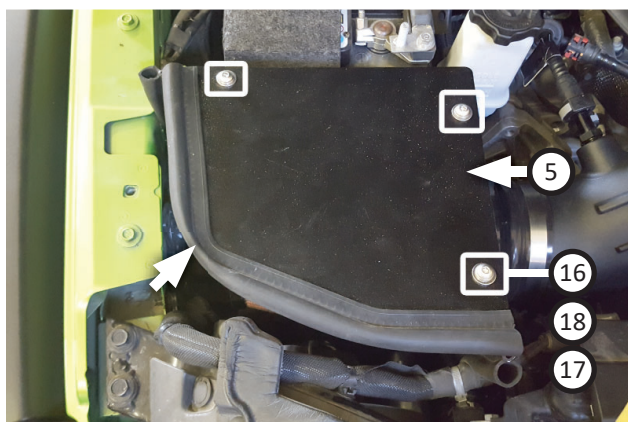
21. Check that intake tube is centered and fitting properly, then tighten clamps (x3). Plug in IAT sensor (removed step 2).



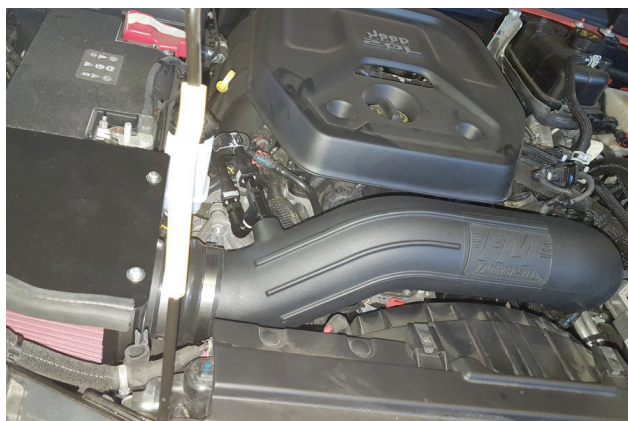
22. Connect evap and pcv line (step 5) to intake tube.



23. Set **air filter (1)** over air filter adapter in airbox. Secure them together by tightening **screw clamp (2)** at its base.



24. Wrap heat shield gasket on edge of **heat shield cover (5)** then place cover onto airbox, secure it using (x3 ea.) **screws (16)**, **lock washers (18)** and **flat washers (17)**.



25. Inspect all connections, making sure your system fits and is properly sealed.

FLOWMASTER CARB EO #
THE PERFORMANCE TECHNOLOGY COMPANY

DELTA FORCE PERFORMANCE INTAKE

D-698-6

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

26. Affix **CARB EO label (26)** 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 Delta Force Performance Intake system is 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.

FILTER MAINTENANCE:

We recommend that you clean and oil your air filter at 25,000 mile intervals using **Flowmaster Filter Refresh Kit (PN 615001)**. See our website or your Flowmaster distributor for details.

FLOWMASTER INC.
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