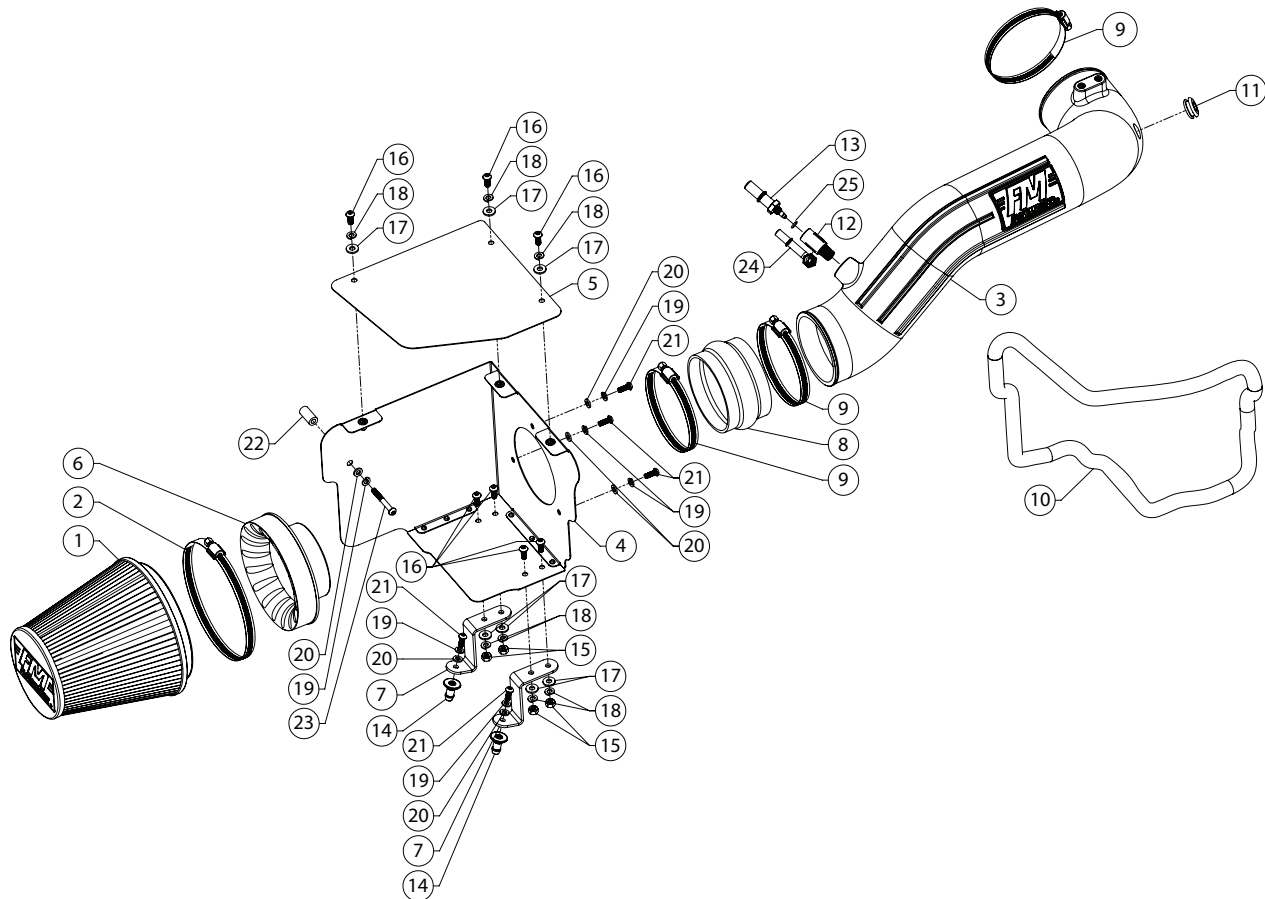




Installation Instructions
615185
2018-19 WRANGLER JL
2.0T ENGINE

NOT LEGAL FOR SALE OR USE ON ANY POLLUTION-CONTROLLED MOTOR VEHICLE IN CALIFORNIA OR IN STATES THAT HAVE ADOPTED CALIFORNIA EMISSION PROCEDURES.



ITM #	PART #	DESCRIPTION	QTY.
1	AF1002	7½" x 6" Dia. Air Filter	1
2		#104 (4⅛" - 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 x 2½" L Flex Coupler	1
9	MC400H	#64 (3⅜" - 4½") Screw Clamp	3
10	49000061-60	Heat Shield Gasket	1
N/A	PK988	Hardware Package includes:	1
11	AF4008	1⅛"OD x ½"ID x ⅜" Grommet	1
12	AF4090	⅜" 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 x 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 x 1.0 x 16MM Screw	5
22	HW533	½" OD x 1" L Nylon Spacer	1
23	HW275	M6 x 1.0 x 50MM Screw	1
24	AF4095	90° ⅜" QC- ¼" NPT Male	1
25	HW543	O-Ring	1

OVERVIEW:



NOTE: Please inventory all parts before starting the installation process and call our tech line to report any missing parts. This will help avoid potentially stranding your vehicle until any missing replacement parts arrive.

1. Take a moment to read and understand these instructions before installing your Flowmaster performance intake system.

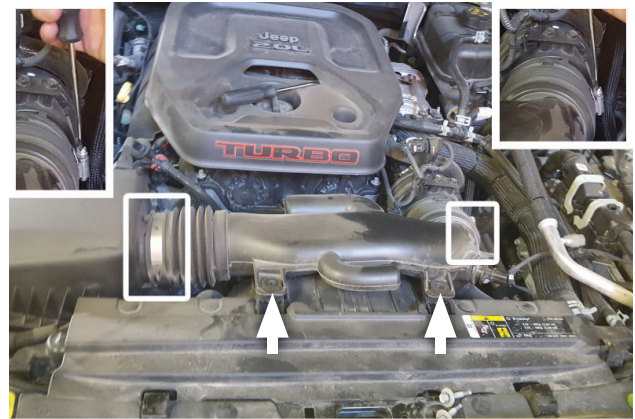
WARNING:

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.



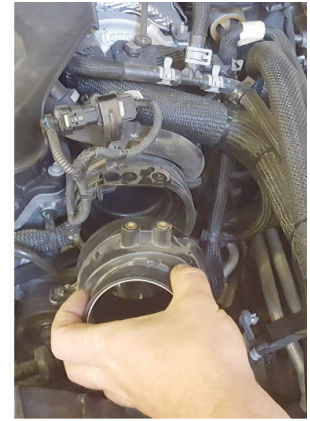
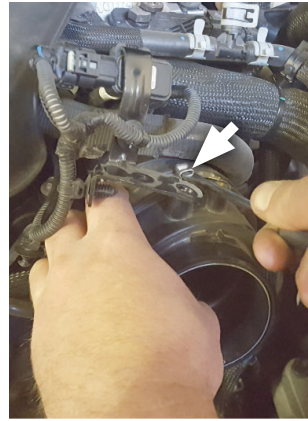
4. Remove intake tube from vehicle.



5. Disconnect evap and pcv line from airbox.

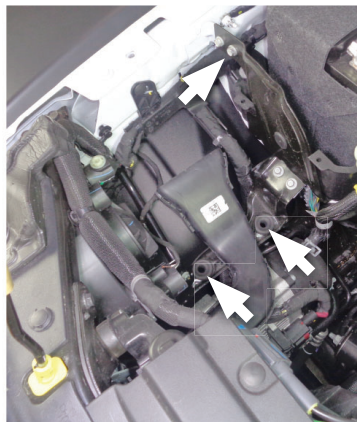
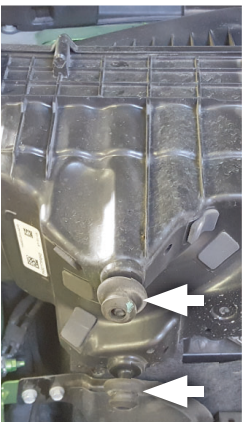


6. Remove bolt securing airbox to frame then pull airbox out of engine bay.

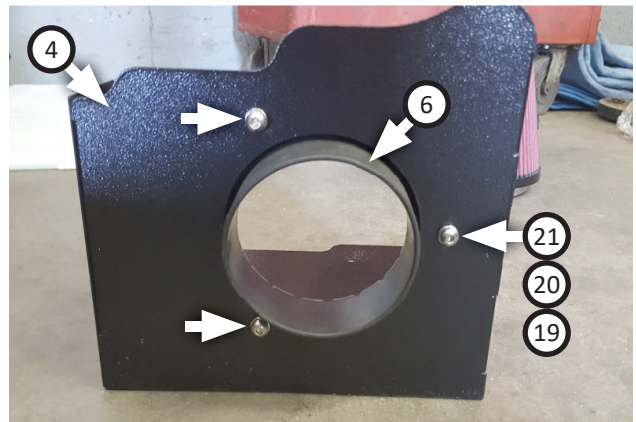


9. Loosen clamp then remove resonator from coupler.

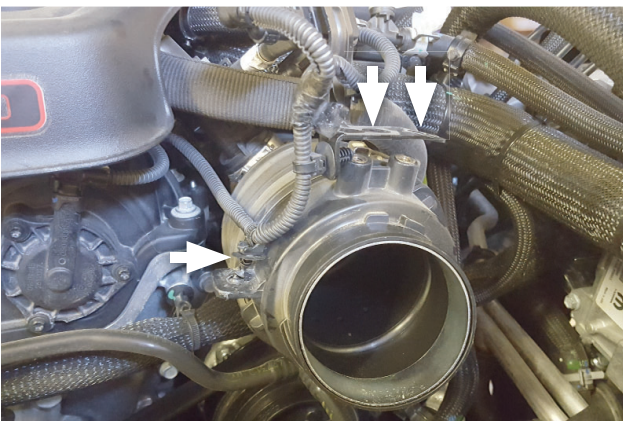
ASSEMBLE & INSTALL COLD AIR INTAKE:



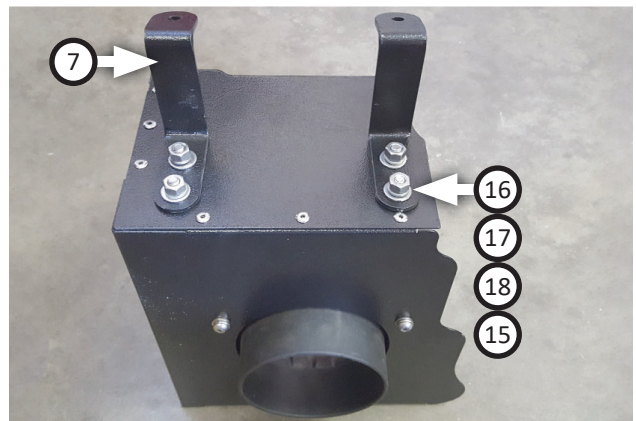
7. If mounting grommets (x2) stay on airbox, transfer them back into mounting holes. Remove battery tray bolt.



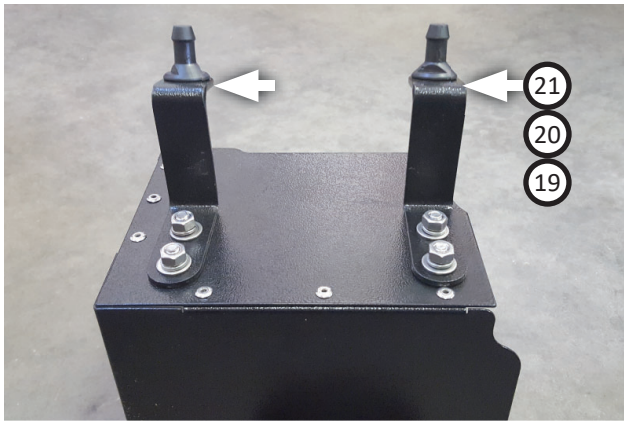
10. Install air filter adapter (6) into airbox (4) using (x3 ea.) screws (21), flat washers (20) and lock washers (19).



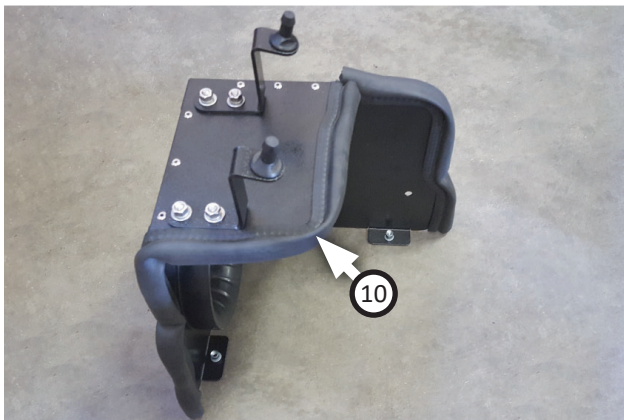
8. Remove bolts (x2) from bracket. Retain them for later use.



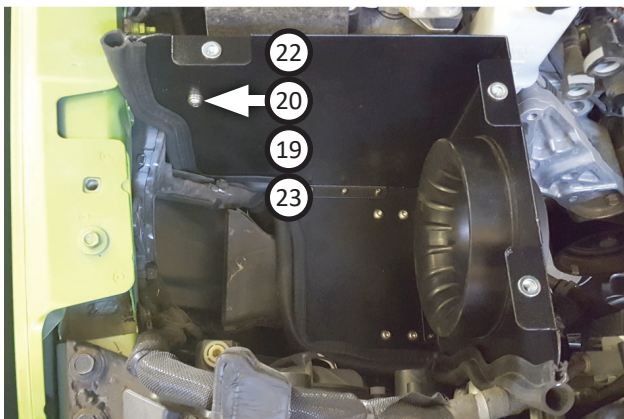
11. Install brackets (x2) (7) onto airbox using (x4 ea.) screws (16), flat washers (17), lock washers (18) and nuts (15) as shown.



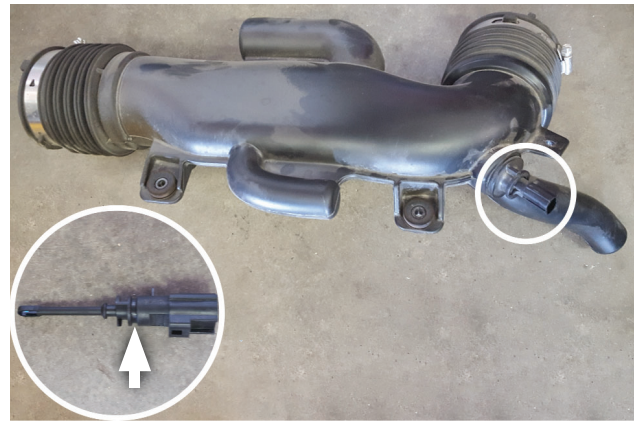
12. Install **barbed pins (x2) (14)** onto brackets using (x2 ea) **screws (21)**, **flat washers (20)** and **lock washers (19)**.



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



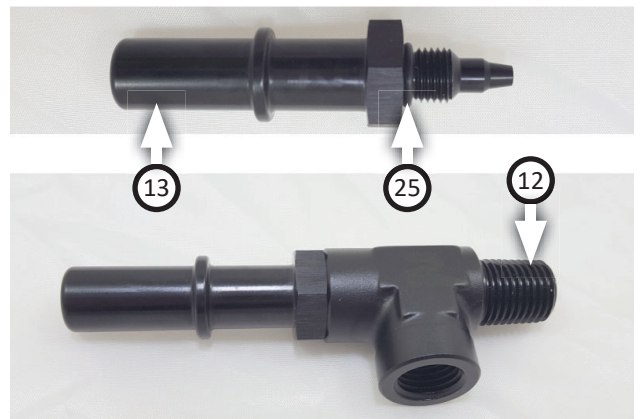
14. Place airbox into engine compartment. Secure **spacer (22)** to battery tray hole (from step 7) using **screw (23)**, **lock washer (19)** and **flat washer (20)**.



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



NOTE: Lubricate grommet as needed to ease install.
16. Fit **grommet (11)** into **intake tube (3)** then insert IAT sensor (from previous step) into it as shown.

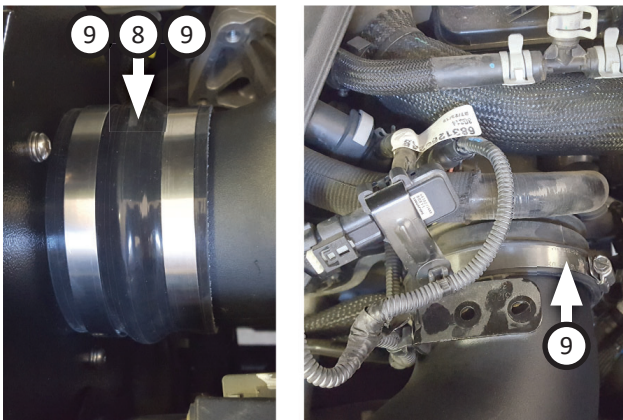


NOTE: Do NOT apply teflon tape to barb or the o-ring will not fit properly once parts are fitted together.
17. Place **o-ring (25)** onto **adapter (13)** then connect it to **tee (12)**. Thread parts together fully, then tighten them another $\frac{1}{8}$ - $\frac{1}{4}$ turn.

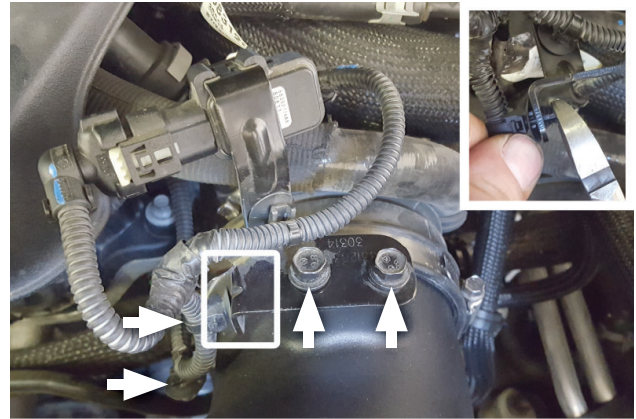


NOTE: Apply teflon tape to barbs prior to install. Then make sure fittings don't cross thread.

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.

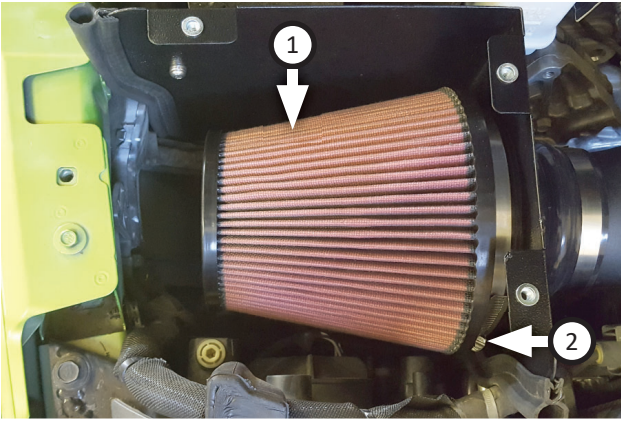
20. Install bracket onto intake tube using bolts (x2) (removed step 8).



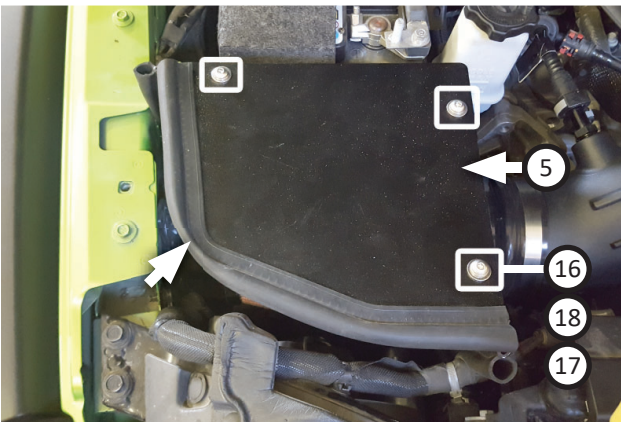
21. Check that intake tube is centered and fitting properly, then tighten clamps (x3). Plug in IAT sensor (removed step 2).



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.



Congratulations, the installation of your Flowmaster Delta Force Performance Intake system is now complete!

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.

