

advanced FLOW engineering

Instruction Manual P/N: 77-46205

Make: **Jeep** Model: **Wrangler (JK)** Year: **2012-2018** Engine: **V6-3.6L**

Make: **Jeep** Model: **Wrangler (JL)** Year: **2018-2019** Engine: **V6-3.6L**

Make: **Jeep** Model: **Gladiator (JT)** Year: **2020** Engine: **V6-3.6L**

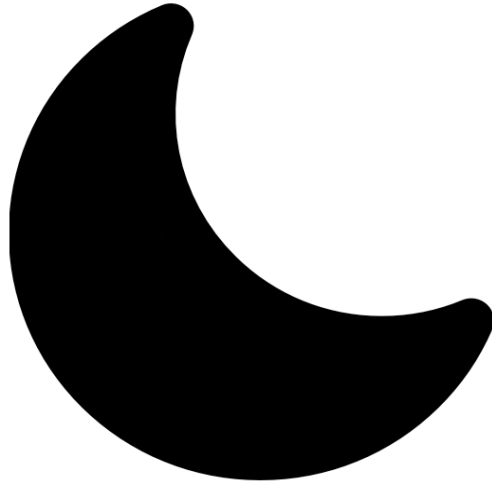


- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A	1	Module	R77-46205
B	2	Velcro (2 Inches)	05-01244
C	4	Cable Ties	05-60167

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.





SLEEP MODE

Figure A

Refer to Figure A for Step 1.

Step 1: Before installing your aFe POWER module, you will have to place your vehicles ECU in sleep mode. In order to do this you will need to do the following:

- If the engine is cold, open the hood, close the doors lock the car and wait 30 seconds.
- If the engine is warm, open the hood, close the doors lock the car and wait 20 minutes.
- If the engine is warm and you can't wait 20 minutes, disconnect the battery.

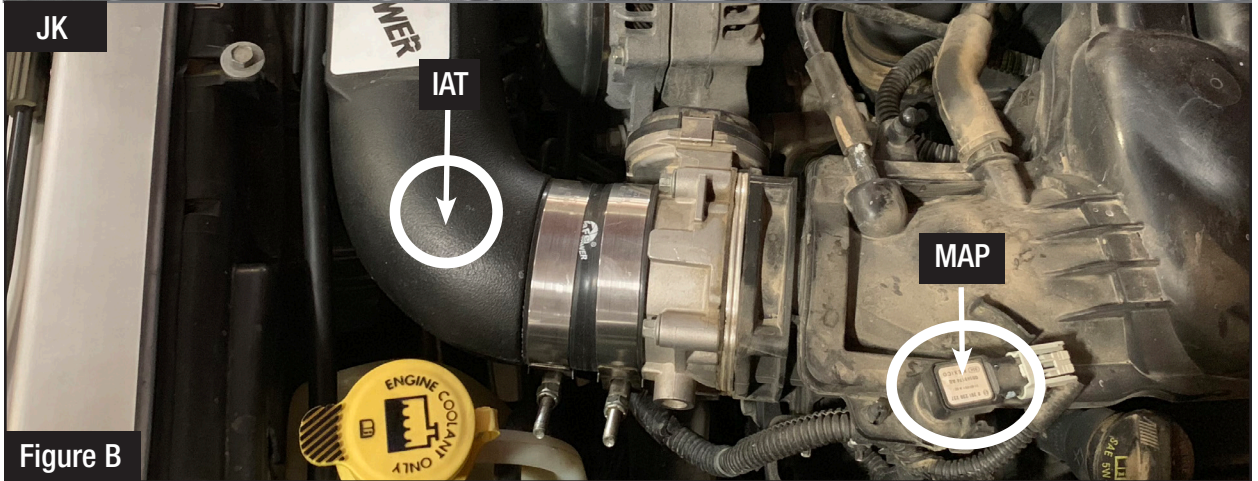


Figure B

Refer to Figure B for Step 2.

Step 2: Locate the IAT and MAP sensors. The sensor locations vary, depending on if you have a JL or JK.

JL: The IAT sensor is located on the intake tube. The MAP sensor is located on the rear driver side of the intake manifold, near the firewall.

JK: The IAT sensor is located on the bottom side of the intake tube. The MAP sensor is located on the front of the intake manifold.

NOTE: The rest of the installation instruction photos are from a 2018 JL.

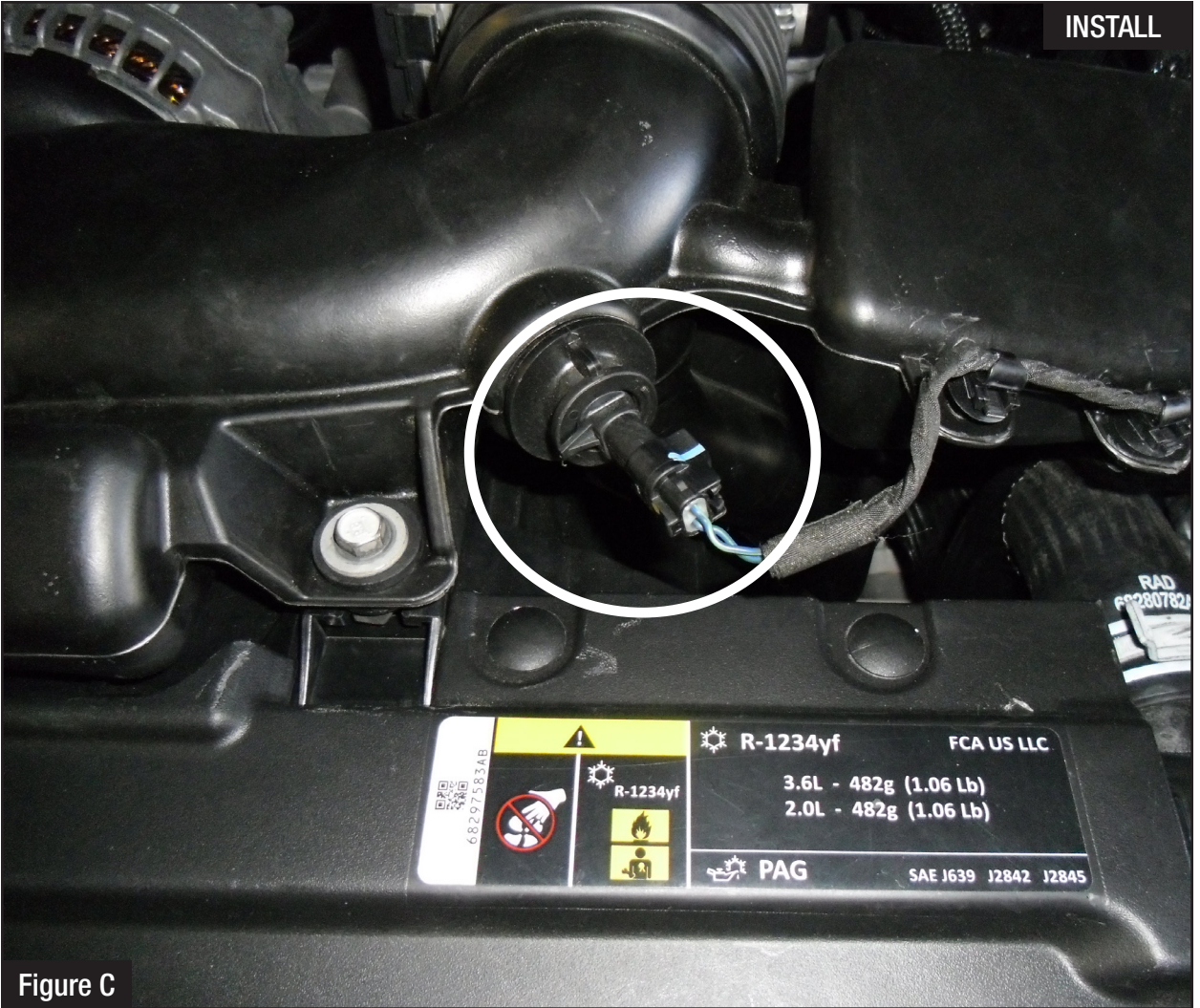


Figure C

Refer to Figures C for Steps 3-4.

Step 3: Locate then disconnect the IAT sensor connector by pressing down on the locking tab of the connector and sliding it out of the sensor.

Step 4: Locate the IAT sensor jumper harness on the aFe POWER module. This is the longer harness with the small 2 wire connector. Plug the female connector of the module into the factory IAT sensor, then the male connector of the module into the female connector of the engine harness.

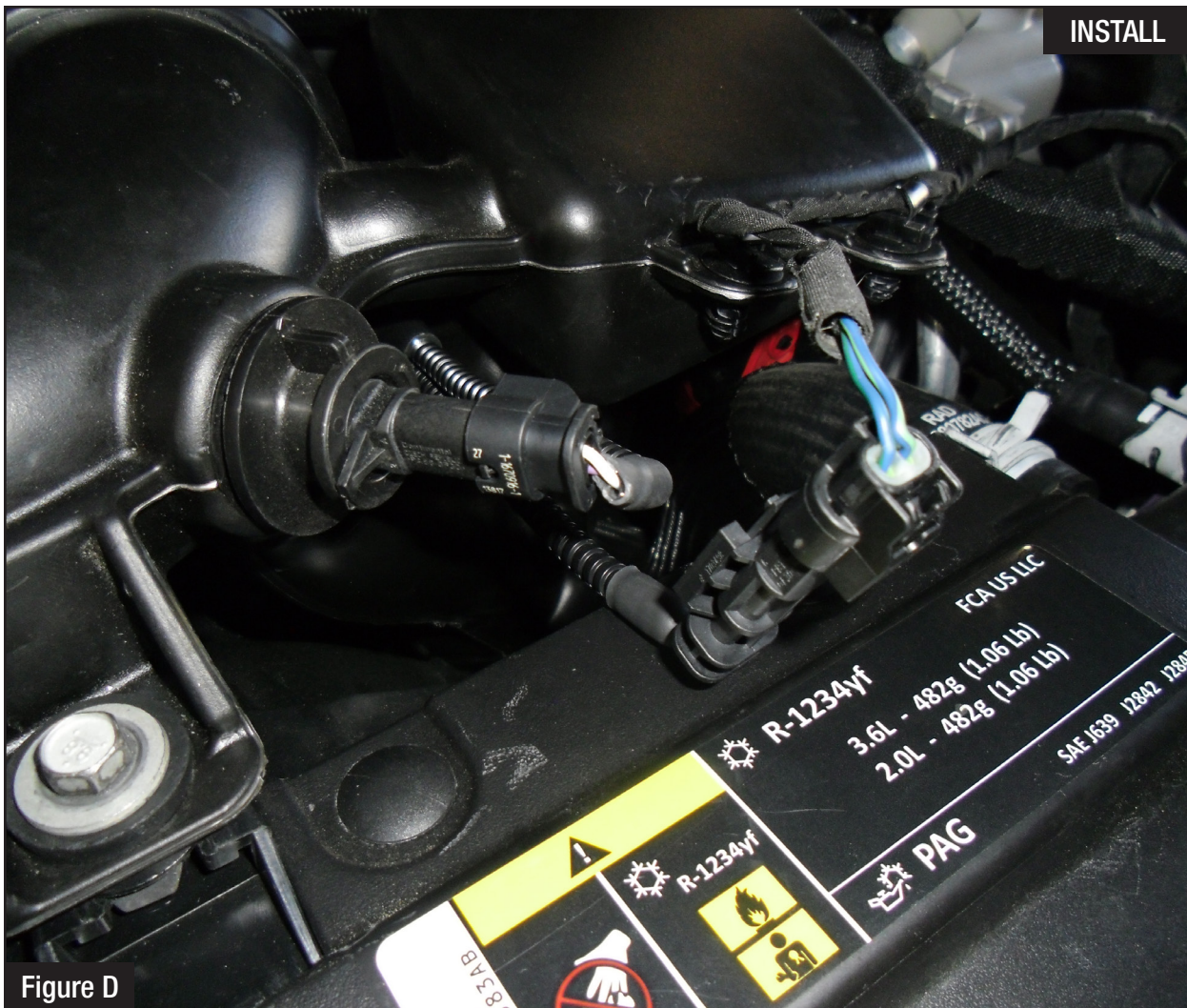


Figure D

Refer to Figure D for Step 5.

Step 5: Check with the pictures to make sure the connectors are correctly connected.



Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

**Figure E****Refer to Figure E for Steps 6-7.**

Step 6: Locate and disconnect the MAP sensor connector, by sliding back the red locking tab of the connector, and then press down on the tab and slide it out of the sensor.

Step 7: Locate the MAP sensor jumper harness on the aFe POWER module. This is the shorter harness with a 3 wire connector. Plug the female connector of the module into the factory MAP sensor, then the male connector of the module into the female connector of the engine harness.



Figure F

Refer to Figure F for Step 8.

Step 8: Check with the picture to make sure the connectors are correctly connected.



Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

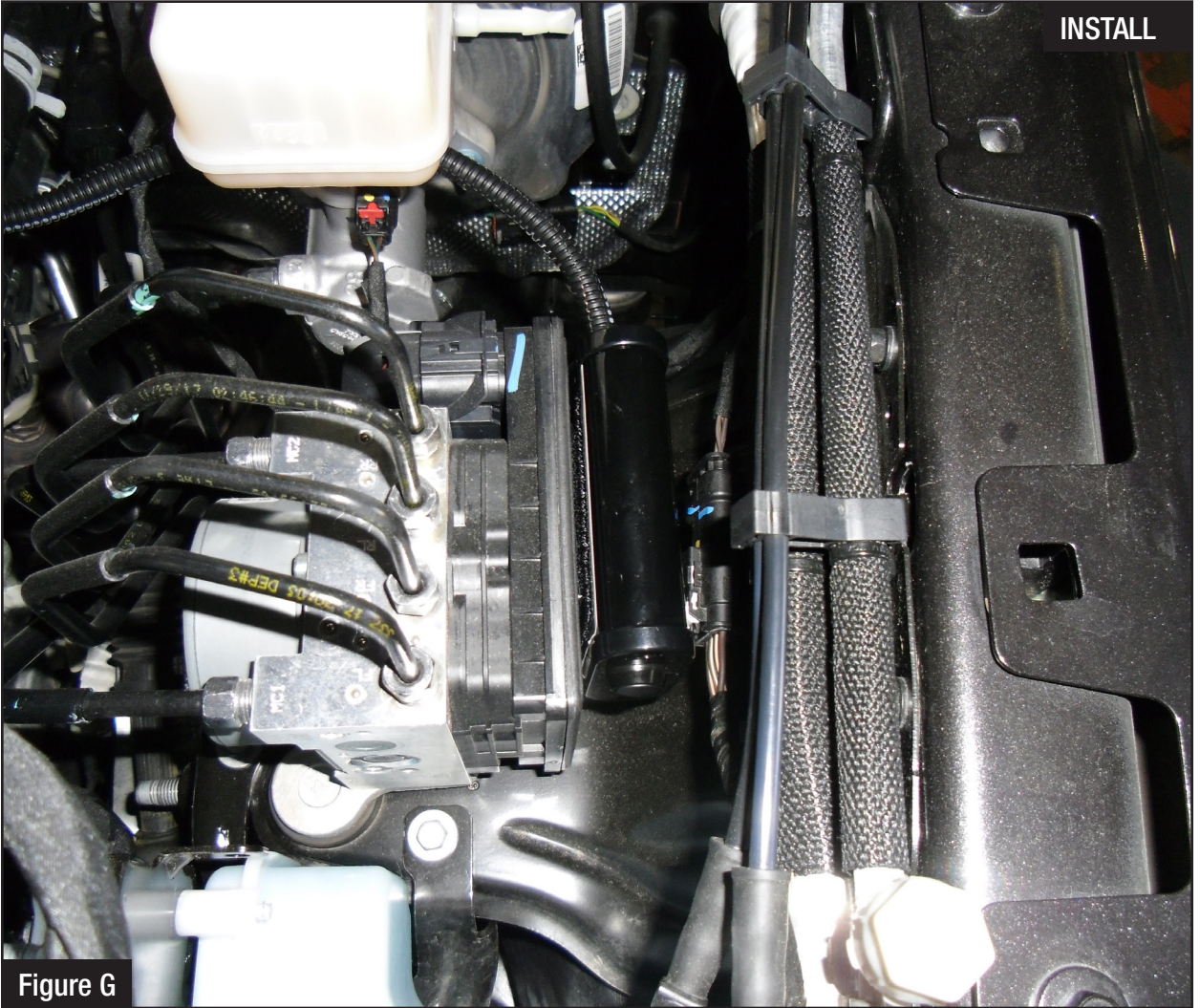


Figure G

Refer to Figure G for Steps 9-10.

- Step 9: Secure the SCORCHER GT module to the side of the ABS control module using provided velcro.
- Step 10: Secure the aFe POWER harnesses with the provided zip ties, keeping them away from any extreme heat or moving parts.



Figure H

Refer to Figure H.

To turn the SCORCHER GT On or Off, simply press the button on the module. The blue LED will illuminate indicating that the module is on. Thank you for choosing aFe POWER!

NOTE: You can turn it ON or OFF while the vehicle is running or while the ECU is still on.



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OE Replacement Air Filter



P/N: 30-10280 (P5R)
31-10280 (PDS)
73-10280 (PG7)

Momentum GT Intake



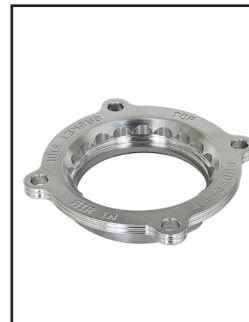
P/N: 51-76217 (PDS)
54-76217 (P5R)
75-76217 (PG7)

Cold Air Intake System



P/N: 51-13002-B (PDS)
54-13002-B (P5R)
75-13002-B (PG7)

Throttle Body Spacer



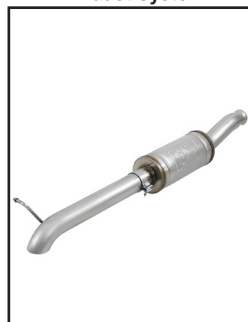
P/N: 46-35008

Dual-Exit Exhaust System



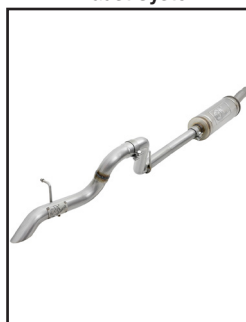
P/N: 49-48066-B (Blk Tips)
49-48066-P (Pol Tips)

“Rock Basher” Exhaust System



P/N: 49-48068

“Hi-Tuck” Exhaust System



P/N: 49-48065 (No Tip)
49-48065-B (Blk Tip)
49-48065-P (Pol Tip)

Axle-Back Exhaust System



P/N: 49-48070 (No Tip)
49-48070-B (Blk Tip)
49-48070-P (Pol Tip)

Loop Delete Pipe



P/N: 48-48024

Oil Filter



P/N: 44-LF039

Front Differential Cover



P/N: 46-71010A (RAW)
46-71010R (Red)
46-71010B (Blk)

Rear Differential Cover



P/N: 46-71000A (RAW)
46-71000R (Red)
46-71000B (Blk)

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video please go to aFepower.com.

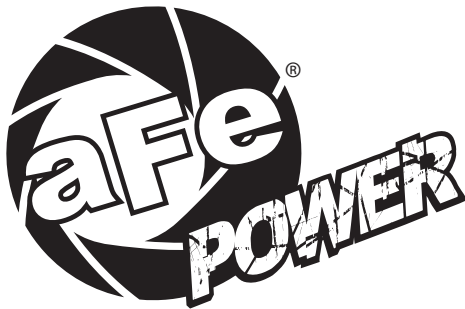
Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization ("RGA"), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

Product Category	P/N Prefix	Warranty duration
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 23, 24, 72,TF	2 years
Air Intake Systems	50, 51, 53, 54, 55, 75, TR, TA, TL, TM	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81, 87	2 years
PowerSports Intake Systems	85	2 years
Tuners	77	1 year

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



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