



## advanced FLOW engineering

### Instruction Manual P/N: 77-46405

Make: **Audi** Model: **A3/S3** Year: **2015-2017** Engine: **I4-1.8L (t) / 2.0L (t)**

Make: **Volkswagen** Model: **GTI (MKVII)** Year: **2015-2017** Engine: **I4-1.8L (t) / 2.0L (t)**



- 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.
- 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            | R77-46405   |
| B     | 1    | LED Switch        | 05-70005    |
| C     | 2    | Velcro (2 Inches) | 05-01244    |
| D     | 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.



D



C



B



A

**Figure A****Refer to Figure A for Step 1.**

**Note:** Pictures are from a 2015 VW GTI 2.0L turbo, other vehicles may look different.

Step 1: Locate the MAP ① and TMAP ② sensors. The MAP sensor is located on top of the intake manifold under the engine cover. The TMAP sensor is located on the charge pipe on the lower front of the engine, underneath the AC compressor.



Figure B

**Refer to Figure B for Steps 2-3.**

Step 2: Remove the engine cover to gain access to the MAP sensor then disconnect the MAP sensor.

Step 3: : Locate the MAP sensor jumper harness on the aFe module. This is the shorter harness with the black connector. Plug the male connector of the module to the stock MAP sensor, then the female connector of the module male connector of the engine harness.

**Note: Make sure connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.**

**Figure C****Refer to Figures C for Steps 4-5.**

Step 4: Locate and disconnect the TMAP sensor. The TMAP sensor can be accessed by reaching down underneath the AC compressor, or from the bottom by removing the bottom tray.

Step 5: Locate the TMAP sensor jumper harness on the aFe module. This is the longer harness with the brown connector. Plug the male connector of the module to the stock TMAP sensor, then take the female connector of the module and connect to the male connector of the engine harness.



Figure D

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

Step 6: Carefully route the switch cable behind steering wheel cover.

Step 7: Mount the Switch on an open, flat surface.



REMOVAL

Figure E

**Refer to Figure E for Steps 8-10.**

Step 8: Remove the single torx screw holding on the foot trim panel, then remove the panel.

Step 9: Route the switch cable through firewall and into the engine bay. Follow the main harness through the grommet into the firewall. Plug the end of the cable to the module.

Step 10: Re-install foot trim panel.





Figure F

**Refer to Figure F for Step 11.**

Step 11: Mount the module in a safe location, using the supplied Velcro strip. Then, secure the wires and module away from any extreme heat and moving parts, with the provided ties. Make sure all connections are secured and fully engaged.

**Figure G****Refer to Figure G for Step 12.**

Step 12: When turning on the vehicle, the switch will go through the light. It will stop at its last setting.

The LED on the switch represents the different level of power.

- Green LED: Stock
- Yellow LED: Sport
- Orange LED: Sport+
- Red LED: Race

Use the grey button to select the desired setting. Power adjustments can be done at any moment.

Thank you for choosing aFe POWER!



**OE Replacement Air Filter**



P/N: 30-10254 (P5R)  
31-10254 (PDS)

**Air Intake System**



P/N: 54-12672 (P5R)  
51-12672 (PDS)

**Intake System Cover**



P/N: 54-12678-B

**Momentum GT Intake**



P/N: 51-76403 (PDS)  
54-76403 (P5R)