

**advanced FLOW engineering**

**Instruction Manual** P/N: 77-42007

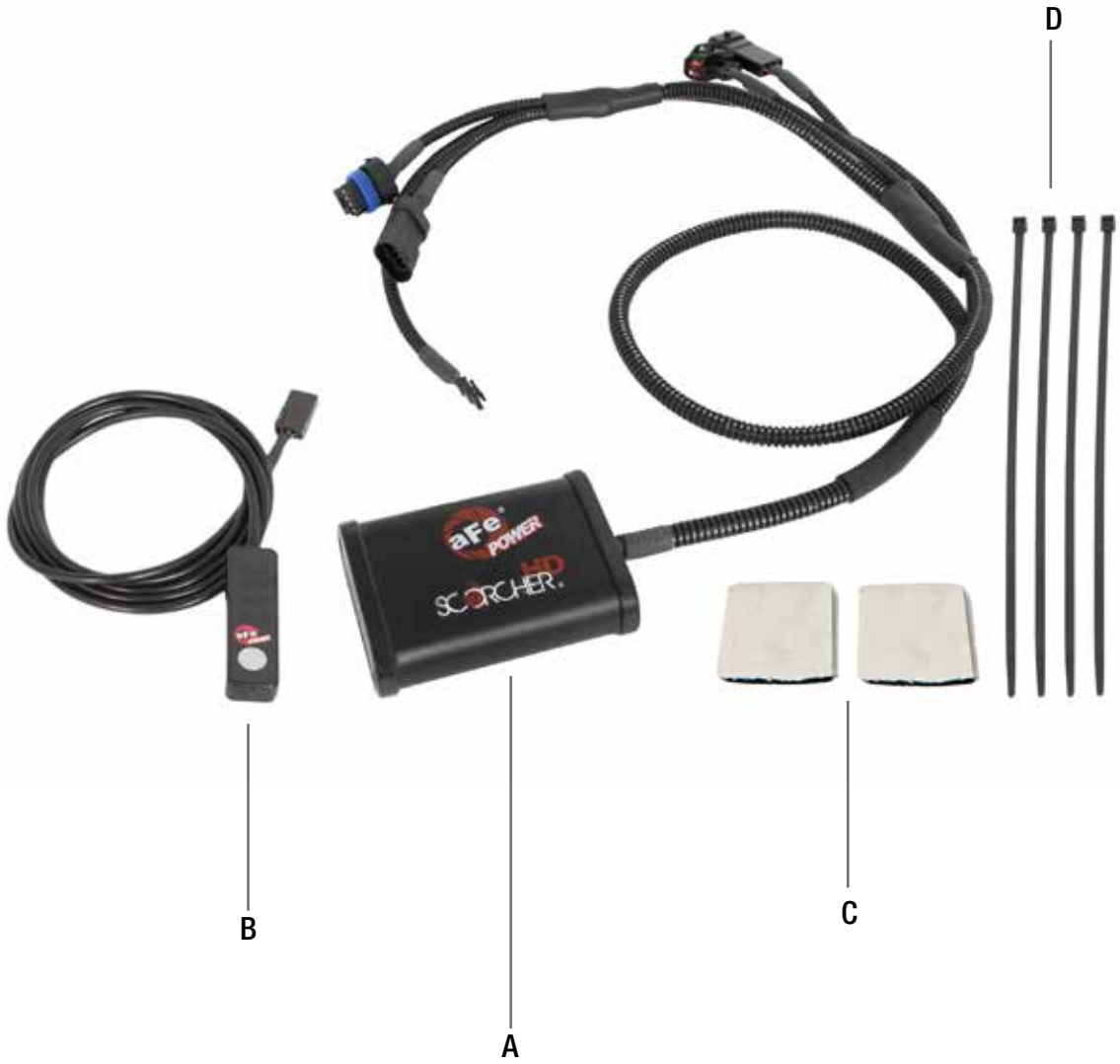
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Make: **Dodge** Model: **2500/3500 HD** Year: **2004.5-2007** Engine: **L6-5.9L (td)**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- 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	R77-42007
B	1	LED Switch	05-70001
C	2	Velcro (2 Inches)	05-01244
D	4	Cable Ties	05-60167





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

Step 1: Locate the MAP ① and Fuel Pressure sensor ②. They are both close to each other and are located on the driver side next to the intake manifold.



Figure B

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

Step 2: Disconnect the MAP sensor.

Step 3: Locate the MAP sensor jumper harness on the aFe module. This is the longer harness with a Blue and 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.**

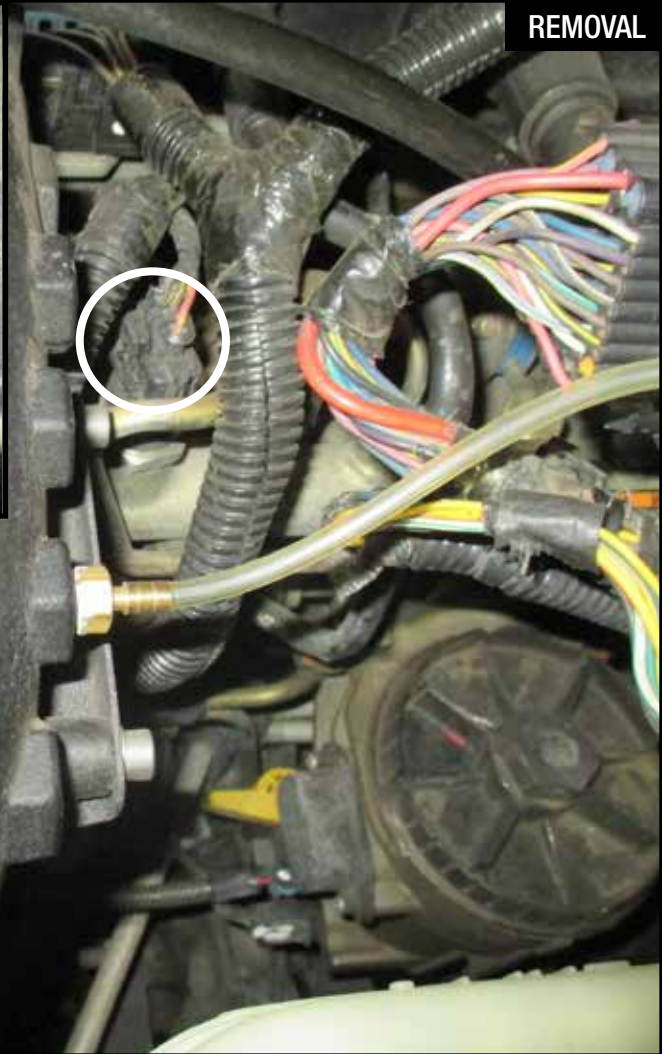


Figure C

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

Step 4: Locate and disconnect the fuel pressure sensor.

Step 5: Locate the fuel pressure sensor jumper harness on the aFe module. This is the shorter harness with an Orange and Black connector. Plug the male connector of the module to the stock fuel pressure 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.



Figure E

**Refer to Figure E for Step 8.**

Step 8: 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.



Figure F

**Refer to Figure F for Step 9.**

Step 9: 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 L****Refer to Figure L for Step 24.**

Step 24: 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!



**Intercooler**



P/N: 46-20011

**Rear Differential Cover**



P/N: 46-70012-WL (w/ Oil)  
46-70012 (Blk)  
46-70010 (RAW)

**Diesel Fuel System**



P/N: 42-12021 ('03-'04.5)  
42-12031 ('05-'10)

**Air Intake System**



P/N: 50-72002 (P10R)  
51-72002 (PDS)

**Front Different Cover**



P/N: 46-70042-WL (w/ Oil)  
46-70042 (Black)  
46-70040 (RAW)

**Exhaust System**



P/N: 49-42032-B (Blk Tip)  
49-42032-P (Pol Tip)

**Exhaust Manifold**



P/N: 46-40012

**Race Exhaust System**



P/N: 49-02003 (w/ Muffler)  
49-02003NM (no Muffler)

**Intercooler Tubes**



P/N: 46-20014

**OER Air Filter**



P/N: 30-10102 (P5R)  
31-10102 (PDS)  
73-10102 (PG7)

**Intake Manifold**



P/N: 46-11011

**Fuel Filter**



P/N: 44-FF010

# 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.