

advanced FLOW engineering

Instruction Manual P/N: 77-44005

Make: **GM** Model: **Silverado HD/Sierra HD** Year: **2001-2004** Engine: **V8-6.6L (td)**

[Performance Chips](#)



- 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 | R77-44005 |
| B | 1 | LED Switch | 05-70001 |
| C | 2 | Velcro (2 Inches) | 05-01244 |
| D | 4 | Cable Ties | 05-60167 |



C



D



A

B

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

Step 1: Locate the MAP ① and Fuel Pressure sensor ②. The MAP sensor is located passenger side on top of the manifold, the Fuel pressure sensor is located on the driver side fuel rail under the boost tube.



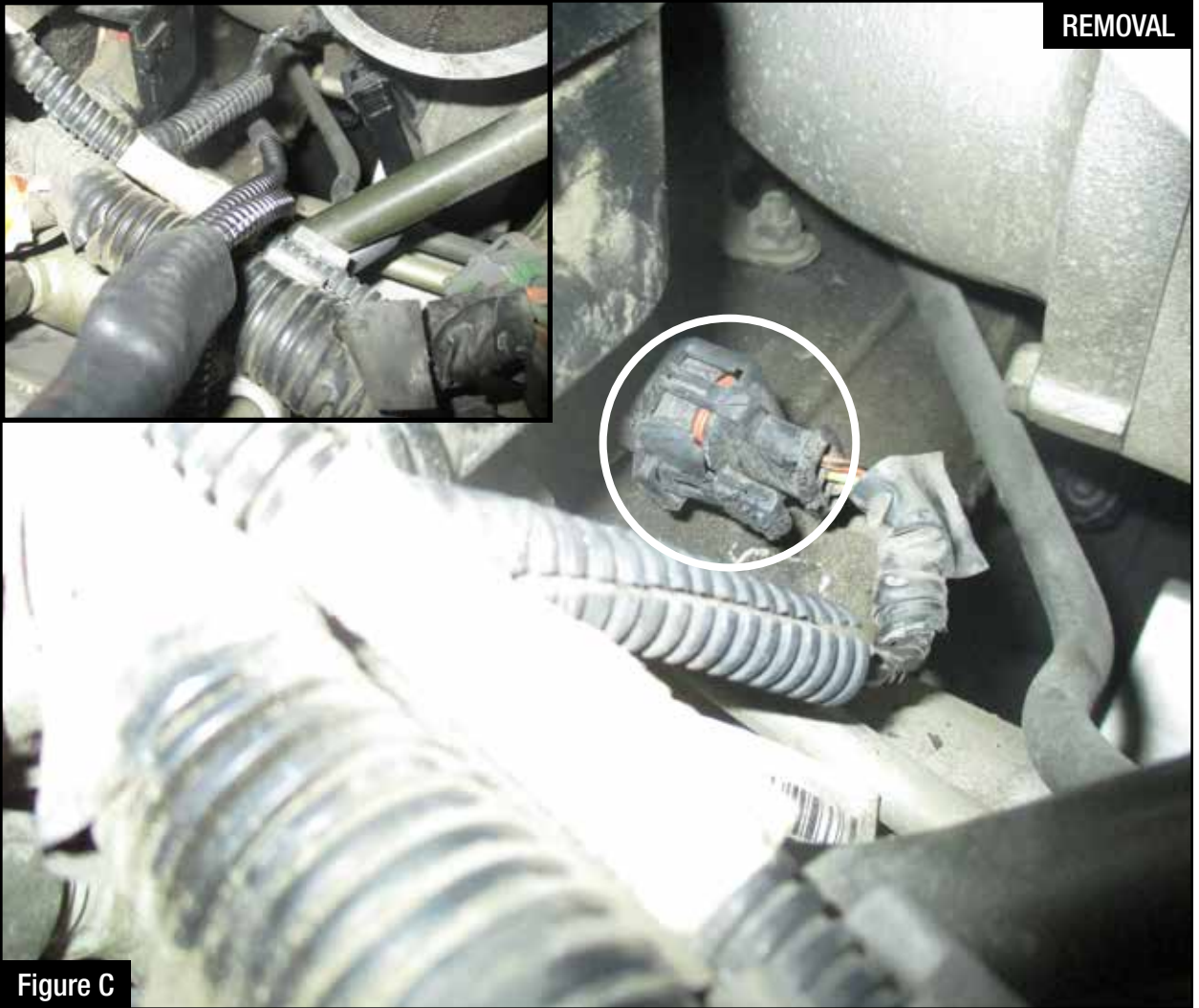
Figure B

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 Purple 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.



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.

Note: To gain more access to the fuel pressure sensor removing the boost tube and crank case hose will help.



Figure D

Refer to Figure D for Steps 6-7.

Step 6: Carefully rout 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.



INSTALL



Figure G

Refer to Figure G for Step 10.

Step 10: 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 Tubes



P/N: 46-20045

Rear Differential Cover



P/N: 46-70012-WL (w/ Oil)
46-700012 (Blk)
46-70010 (RAW)

Transmission Pan Cover



P/N: 46-70072 (Blk)
46-70070 (RAW)

Air Intake System



P/N: 50-74001 (P10R)
51-74001 (PDS)

Turbocharger



P/N: 46-60100

Exhaust System



P/N: 49-04001NM (Race)

Exhaust System



P/N: 49-44060-P (Pol)
49-44060-B (Blk)

Transmission Filter



P/N: 44-TF006 (Deep Pan)
44-TF009 (Shallow Pan)

Oil Filter



P/N: 44-LF001

Oil Cap



P/N: 79-12002

Fuel Filter



P/N: 44-FF011

Diesel Fuel System



P/N: 42-14011 (Full-time)
42-14012 (Part-time)

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.

| 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, 24, 72, TF | 2 years |
| Air Intake Systems | 50, 51, 54, 55, 75, TR, TA, TL | 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 | Contact aFe |

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