



advanced FLOW engineering

Instruction Manual P/N: 77-44010

SCORCHER HD Module

Make: **Chevrolet**

Model: **Silverado HD**

Year: **2017-2019**

Engine: **V8-6.6L (td) Duramax (L5P)**

Make: **GMC**

Model: **Sierra HD**

Year: **2017-2019**

Engine: **V8-6.6L (td) Duramax (L5P)**

Note: **Includes Denali Models.**



- 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	R77-44010
B	1	LED Switch	05-70013
C	2	Hook and loop fastener (2 Inches)	05-01244
D	4	Cable Ties	05-60167





SLEEP MODE

Figure A

Refer to Figure A for Step 1.

Step 1: Before installing your aFe 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 MAP and Fuel Pressure sensor on the engine. The MAP Sensor is located on top of the engine, on the intake manifold. The fuel pressure connector is more difficult to access. It is located under the intake tube between the charge intake pipe and the alternator. It is necessary to remove the intake tube to access it.

**Figure C****Refer to Figure C for Steps 3-4.**

Step 3: Disconnect the MAP sensor connector.

Step 4: Locate the MAP sensor jumper harness on the aFePower module. This is the shorter harness.

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 D

Refer to Figures D for Step 5.

Step 5: Remove the intake tube by disconnecting the two clamps to gain access to the fuel pressure sensor.

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

Step 6: Locate and disconnect the fuel pressure sensor, at the end of the fuel rail between charge intake tube and alternator.

Step 7: Locate the fuel pressure sensor jumper harness on the aFePower module. This is the longer harness. 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: Make sure connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.



Figure F

Refer to Figure F for Steps 9-10.

Step 9: Mount the Switch on an open, flat surface.

Step 10: Carefully route the switch cable behind steering wheel cover.



Refer to Figure G for Step 11.

Step 11: 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 switch cable to the module.



Figure H

Refer to Figure H for Step 12.

Step 12: Mount the module in a safe location, using the supplied Hook and loop fastener 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 1****Refer to Figure 1 for Step 13.**

Step 13: 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!

NOTE: Place enclosed CARB EO sticker on or near the device on a smooth, clean surface.

EO identification label is required to pass the smog test inspection.



OE Replacement Filter



P/N: 30-10275 (P5R)
31-10275 (PDS)

Momentum HD Intake



P/N: 50-74008 (P10R)
51-74008 (PDS)

Cold Air Intake



P/N: 51-12902 (PDS)
54-12902 (P5R)

Intercooler Tubes



P/N: 46-20334-B

DPF-Back Exhaust System



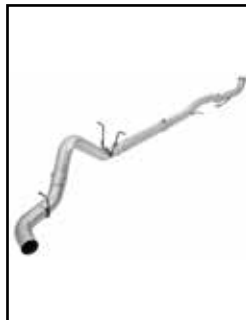
P/N: 49-04086-B (Blk. Tips)
49-04086-P (Pol. Tips)

DPF-Back Exhaust System



P/N: 49-44085-B (Blk. Tips)
49-44085-P (Pol. Tips)

DP-Back Exhaust System



P/N: 49-04090NM (No Muff.)
49-44090 (w/ Muff.)

SPRINT BOOSTER V3



P/N: 77-14003

DFS780 Fuel System



P/N: 42-14023

Rear Differential Cover



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

Oil Filter



P/N: 44-LF001

Oil Cap



P/N: 79-12002