



advanced FLOW engineering

Instruction Manual P/N: 77-43012

SCORCHER HD Module

Make: **Ford** Model: **F-250/F-350/F-450/F-550** Year: **2004.5-2007** Engine: **V8-6.0L (td) Power Stroke**



- 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	R77-43012
B	1	LED Switch	05-70005
C	2	Hook and loop fastener (2 Inches)	05-01244
D	4	Cable Ties	05-60167





Figure A

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 located on the passenger side. MAP is located by the engine oil fill on a bracket, Fuel pressure is located under the boost tube by the valve cover.

Note: To gain more space accessing the sensors removing the intake tube will help but not necessary.



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 large 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 small 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 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 H

Refer to Figure H for Step 11.

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.

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.

Intercooler w/ Tubes



P/N: 46-20102

Front Differential Cover



P/N: 46-70082-WL (w/ Oil)
46-70082 (Blk)
46-70080 (RAW)

Transmission Pan Cover



P/N: 46-70122 (Blk)
46-70120 (RAW)

Rear Differential Cover



P/N: 46-70022-WL (w/ Oil)
46-70022 (Blk)
46-70020 (RAW)

Air Intake System



P/N: 50-73003 (P10R)
51-73003 (PDS)

Oil Filter



P/N: 44-LF003

Oil Cooler



P/N: 46-80001

Oil Cap



P/N: 79-12005

Exhaust System



P/N: 49-43077-P (Pol)
49-43077-B (Blk)

Intake Manifold



P/N: 46-10041

Fuel Filter



P/N: 44-FF006

EGR Cooler



P/N: 46-90077