advanced FLOW engineering

Instruction Manual P/N: 77-43014 SCORCHER HD Module

Make: **Ford** Model: **F-250/F-350/F-450/F-550** Year: **2011-2016** Engine: **V8-6.7L (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 at 951-493-7100.**
- **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	R77-43014
B	1	LED Switch	05-70029
C	2	Velcro (2 Inches)	05-01244
D	4	Cable Ties	05-60167

Warranty Information available at: https://afepower.com/contact#warranty


A
D
B
C
SCORCHER
ELECTRONIC MODULE
Up to 60 HP & 80 lbs. x ft
aFe POWER
SCORCHER

SLEEP MODE

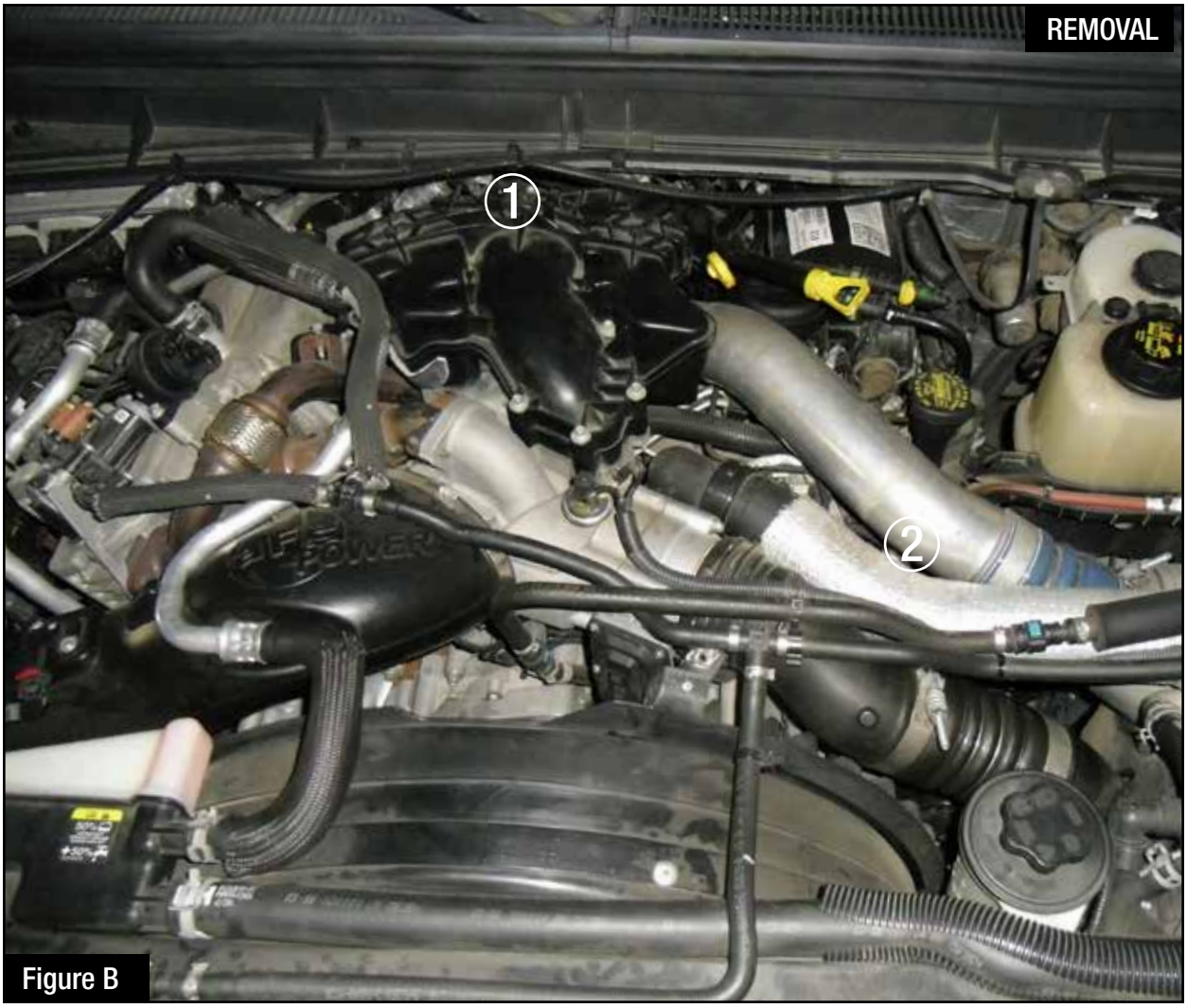
Figure A

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 place your vehicles ECU in sleep mode 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.

Do NOT open the doors or start the vehicle when one of the sensors is disconnected. This could create a check engine light.



Refer to Figure B for Steps 2-3.

Step 2: Locate the MAP sensor (1). The MAP sensor is on the top of the intake manifold near the windshield cowl.

Step 3: Locate the fuel pressure sensor (2). It is below the blue coupling on the intercooler tube, at the end of the common fuel rail. The common fuel rail runs alongside the valve cover on the driver side.

Figure C

Refer to Figure C for Steps 4-5.

Step 4: Locate and disconnect the MAP sensor.
Step 5: Locate the MAP sensor jumper harness on the aFe POWER harness. This is the longer jumper harness with a small rectangular connector. Plug the female connector of the aFe POWER harness into the MAP sensor, then take the male connector of the aFe POWER harness and connect to the female connector of the engine harness.

Figure D

Refer to Figures D for Step 6.

Step 6: Check with the pictures to make sure the connectors are correctly connected.

Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

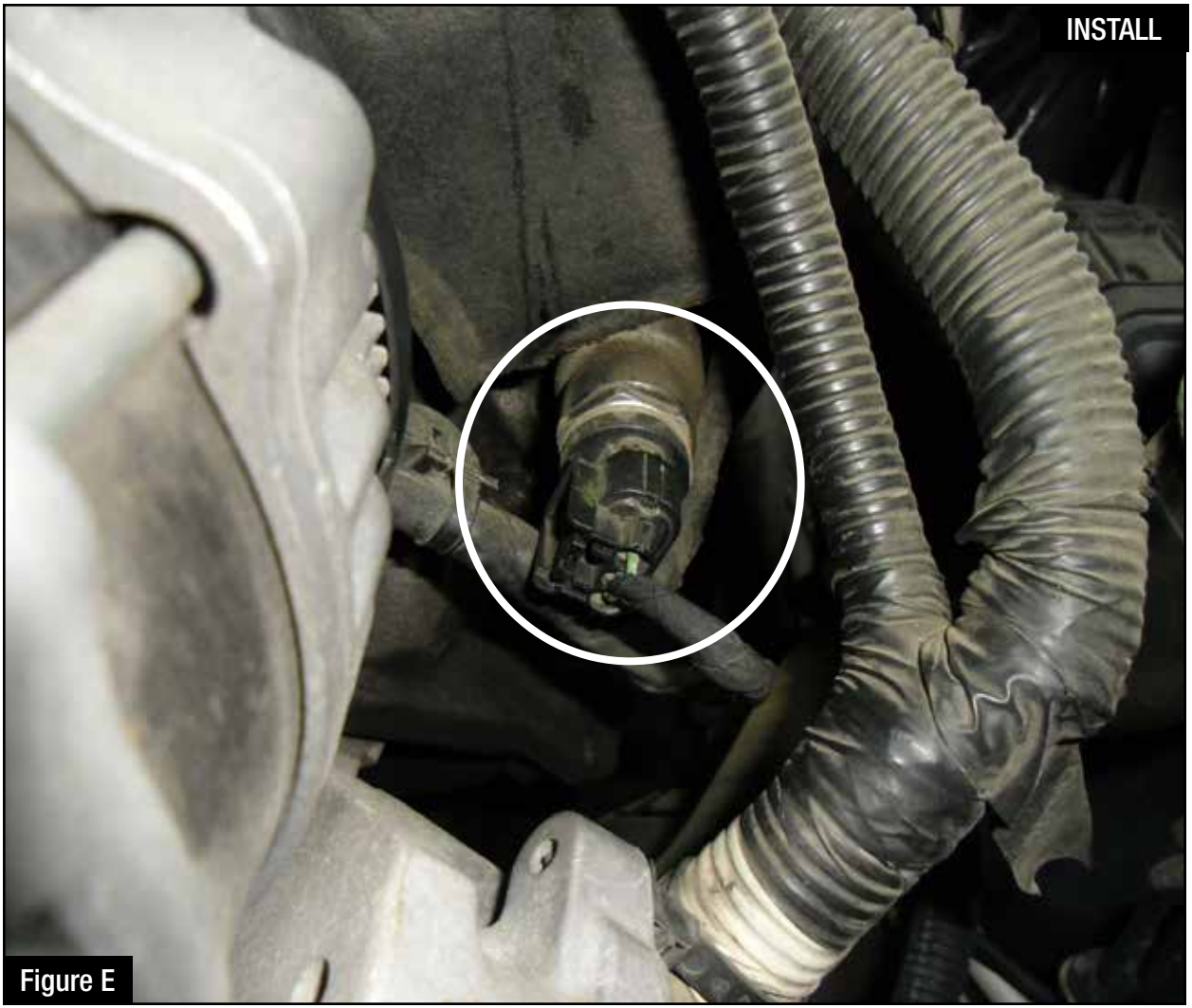


Figure E

Refer to Figure E for Steps 7-8.

Step 7: Locate and disconnect the fuel pressure sensor.
Step 8: Locate the fuel pressure sensor jumper harness on the aFe module. This is the shorter harness with an orange seal on the male connector. Plug the female connector of the module into the fuel pressure sensor, then take the male connector of the module and connect to the female connector of the engine harness.

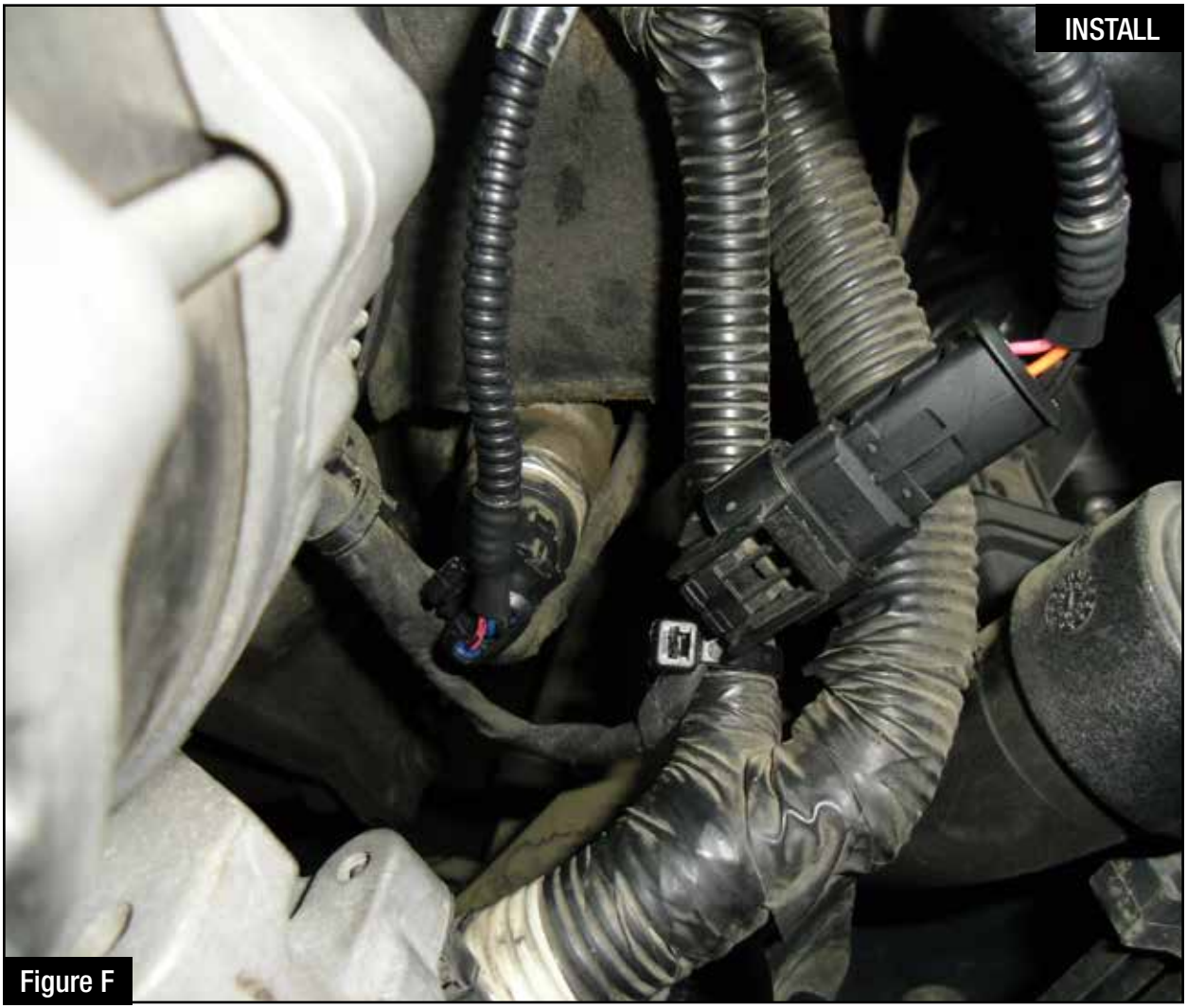


Figure F

Refer to Figure F for Step 9.

Step 9: Check with the pictures to make sure the connectors are correctly connected.

Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

Figure G

Refer to Figure G for Steps 10-11.

Step 10: Select the desired location of the LED switch and route the cable through the top or bottom of the switch.

Step 11: Use the provided double sided tape to secure the LED switch in the desired location.

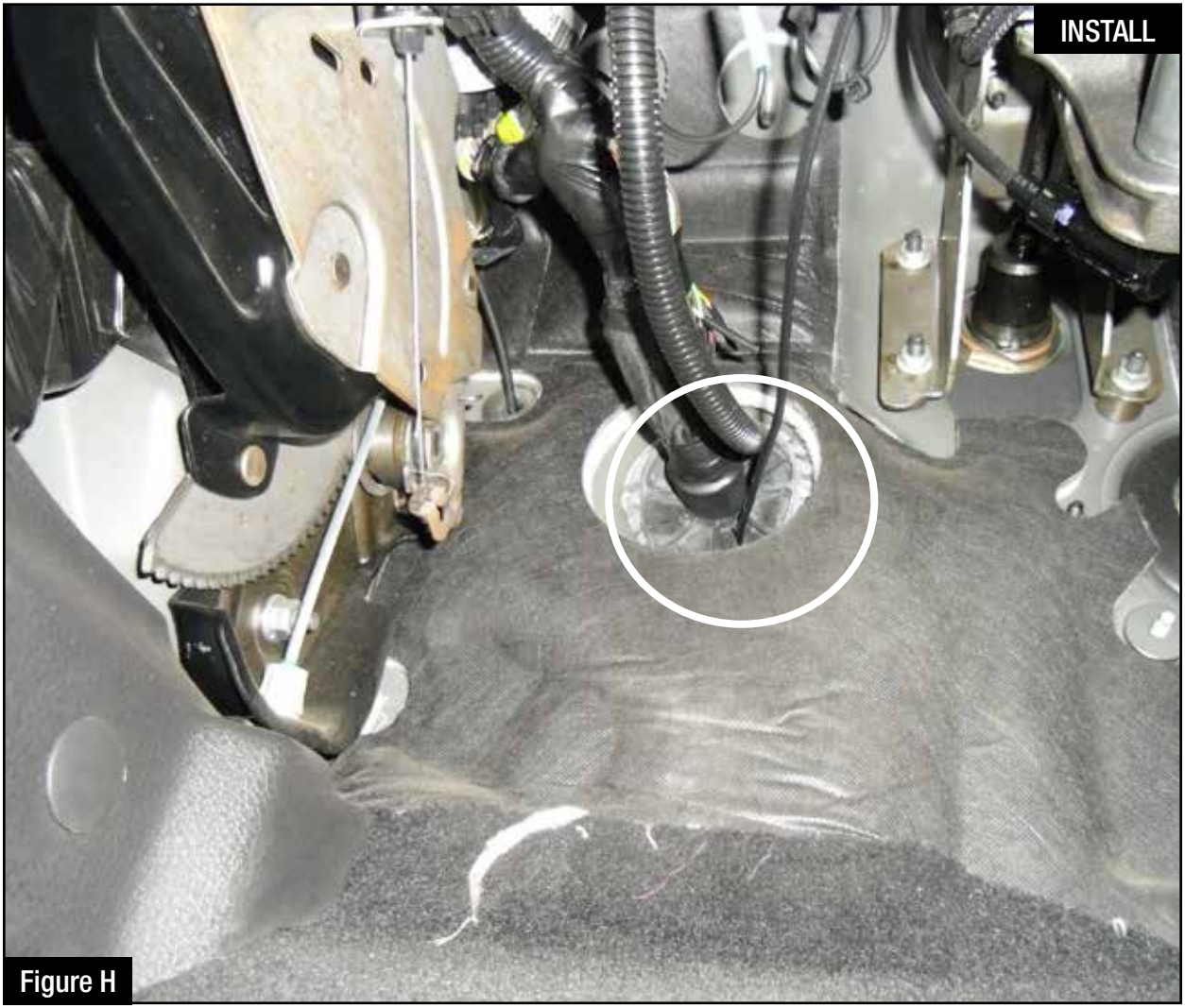


Figure H

Refer to Figure H for Steps 12-13.

Step 12: Carefully route the switch cable behind steering wheel cover or cabin trim cover.
Step 13: Route the switch cable through firewall and into the engine bay. Follow the main harness through the grommet into the firewall.

Figure I

Refer to Figure I for Steps 14-16.

Step 14: Plug the end of the switch cable to the harness inside the engine compartment.
Step 15: Mount the module in a safe location, such as on top of the fuse box, using the provided velcro.
Step 16: Secure the wires away from any extreme heat and moving parts with the provided ties.

Figure J

Refer to Figure J for Step 17.

Step 17: When turning on the vehicle, each LED will flash. 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 enclsoed CARB EO sticker on or near the device on a smooth, clean surface.

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

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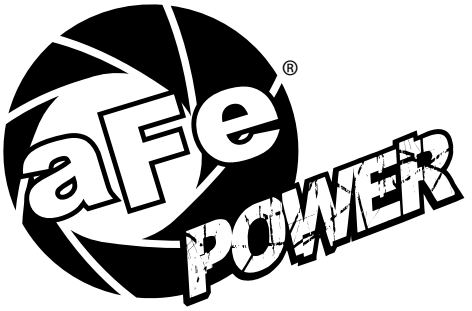

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