

advanced FLOW engineering

Instruction Manual

P/N: 77-44015

SCORCHER HD POWER MODULE

Make: Chevrolet
Make: GMC

Model: Silverado 1500
Model: Sierra 1500

Year: 2023-2024
Year: 2023-2024

Engine: L6-3.0L (td)
Engine: L6-3.0L (td)



THIS IS A HIGH-PERFORMANCE PRODUCT: Do not use this product until you have carefully read the following agreement and installation instruction. This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts its terms and conditions.

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Before proceeding with the installation:

- 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 951-493-7185.
- Ensure you have all necessary tools before proceeding. Do not attempt to work on your vehicle when the engine is hot.

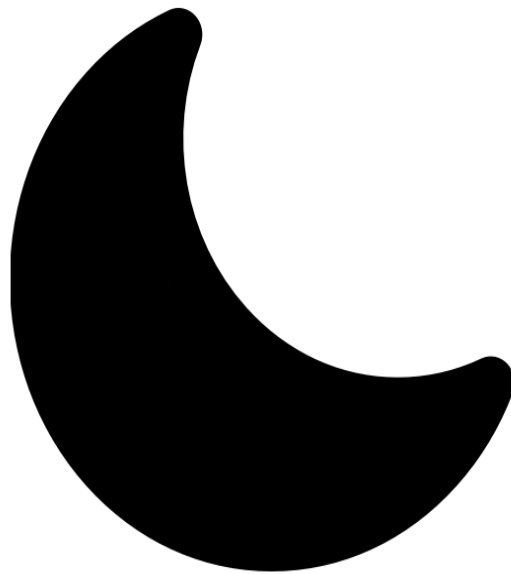
Warranty Information available at <https://afepower.com/contact#warranty>

Emission Disclaimer: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.



Label	Qty.	Description	Part Number
A	1	Module	R77-44015
B	1	LED Switch	05-70029
C	2	Velcro (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 POWER module, you will have to place your vehicle's 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.

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

Fuel Pressure Sensor Jumper Harness

Female Connector-To Fuel Pressure Sensor

Male Connector-Engine harness

Female Connector-To MAP Sensor

Male Connector-Engine harness

MAP Sensor Jumper Harness**Figure B****Refer to Figure B for Step 2**

Step 2: Refer to the diagram to identify the connectors and their corresponding sensors that they plug into.

- The Fuel Pressure sensor jumper harness will be the longer set of wires. It will be labeled "FUEL".
- The MAP sensor jumper harness will be the shorter set of wires. It will be labeled "MAP".



Refer to Figure C for Steps 3-4

Step 3: Remove the engine cover by removing the oil cap and the 10mm bolt.

Step 4: Re-install the oil cap to make sure that small parts cannot fall in while installing the Scorcher HD Power Module.

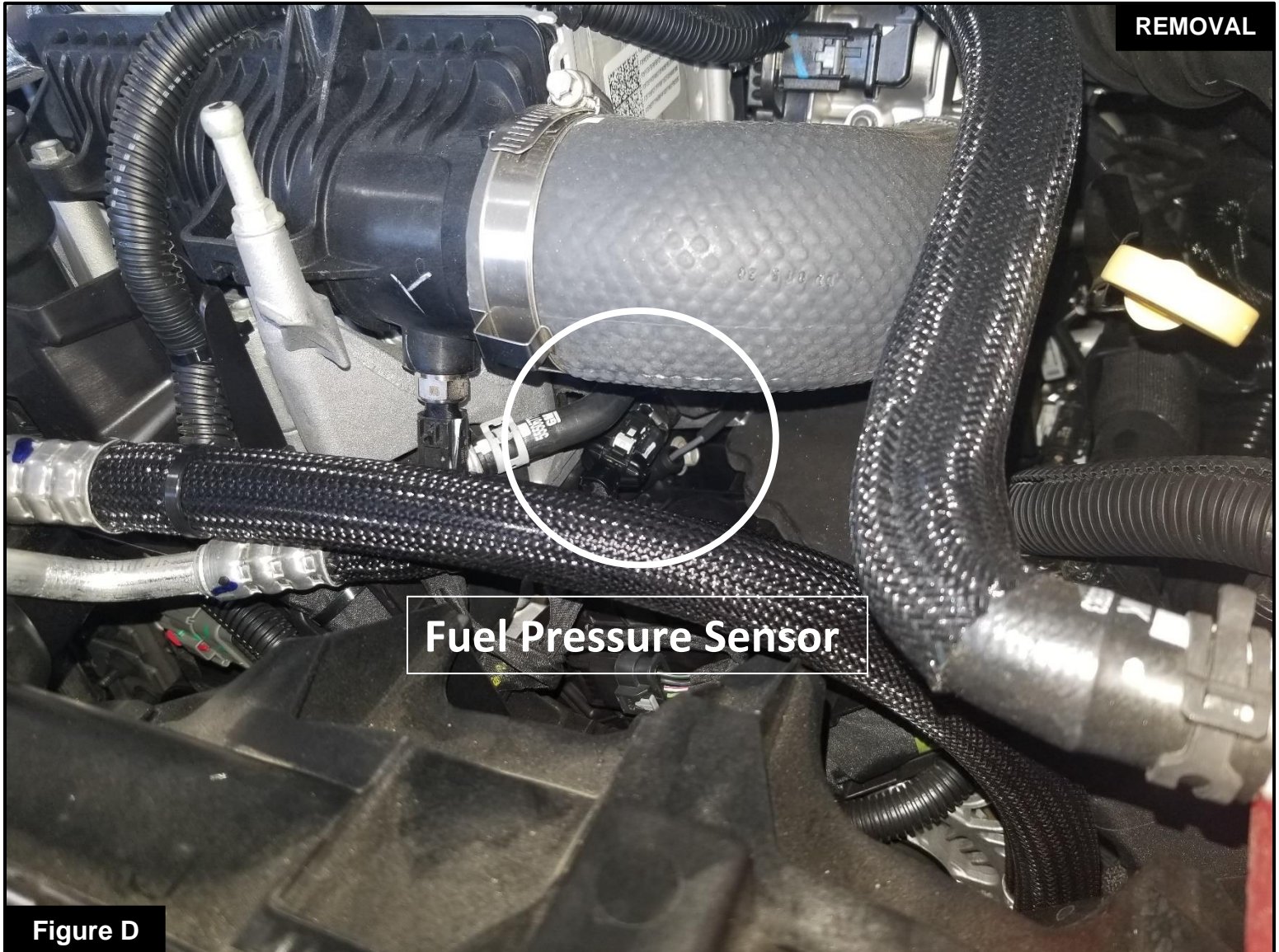


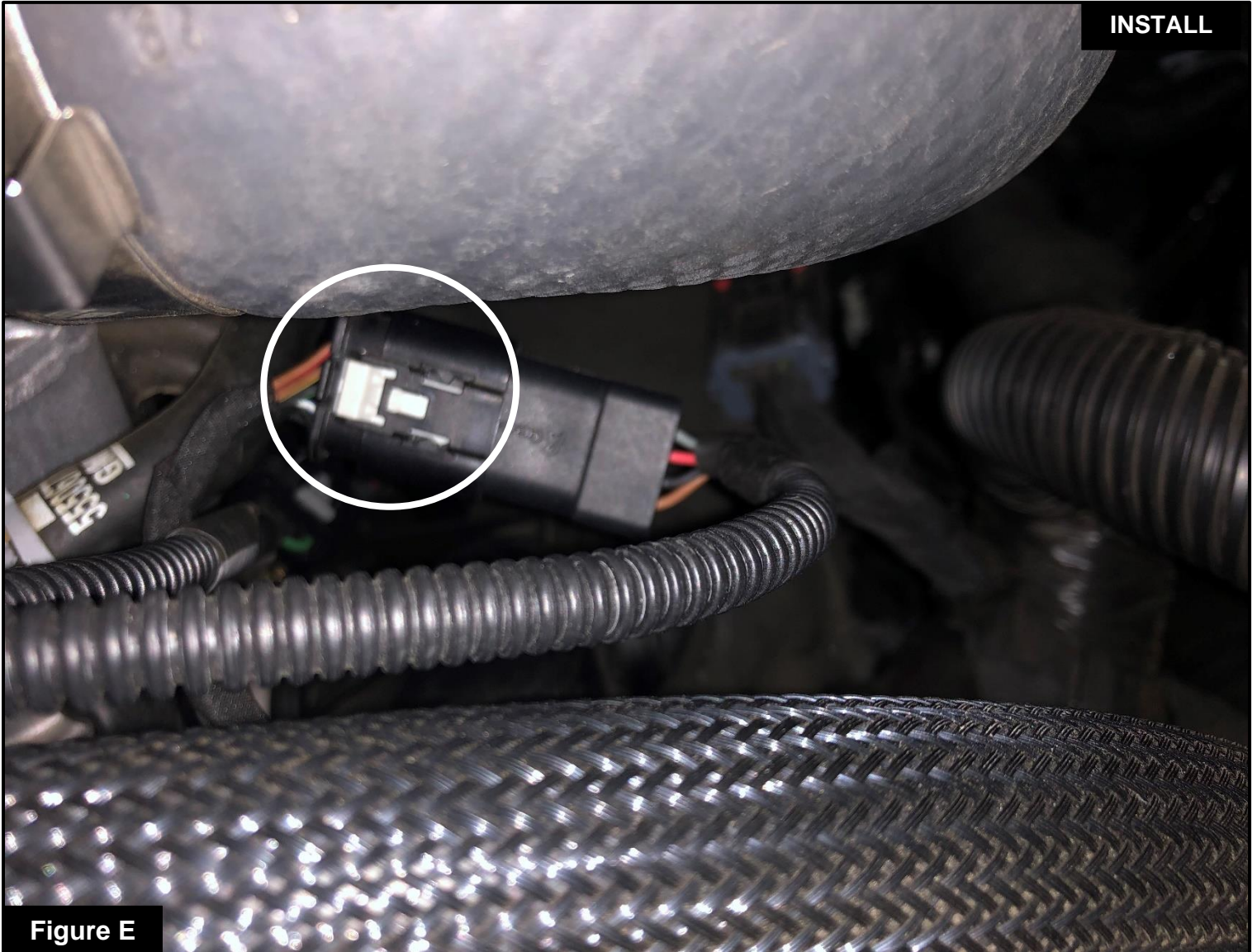
Figure D

Refer to Figure D for Steps 5-7

Step 5: Locate the Fuel Pressure Sensor. It is underneath the intercooler pipe.

Step 6: Disconnect the Fuel Pressure Sensor by pulling back on the locking tab and pressing down on the clip while sliding the connector out.

Step 7: Locate the Fuel Pressure Sensor harness on the aFe POWER harness. Plug the female connector of the aFe POWER harness into the Fuel Pressure Sensor, then take the male connector of the aFe POWER harness and connect to the female connector of the engine harness.

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

Step 8: Check with the picture and make sure that both the male and female sides of the aFe POWER harness is plugged in and the locking tabs are slid back into place.



Make sure that the connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.



Figure F

Refer to Figure F for Steps 9-11

Step 9: Disconnect the Mass Airflow Sensor attached to the intake tube.

Step 10: Loosen clamps that attach the intake tube to the air filter housing and the turbo inlet tube.

Step 11: Remove the intake tube and top of the factory air box to gain access to the MAP sensor.

**Figure G****Refer to Figure G for Step 12**

Step 12: Locate the MAP Sensor. The MAP sensor is located on top of the intake manifold towards the firewall side of the engine bay. To reach the connector for the MAP sensor, follow the wire loom to the right of the aluminum tubing.



MAP Sensor Connector

Figure H

Refer to Figure H for Steps 13-14

Step 13: Disconnect the MAP Sensor by pulling back on the locking tab and pressing down on the clip while sliding the connector out.

Step 14: Locate the MAP Sensor harness on the aFe POWER harness. 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 I****Refer to Figure I for Step 15**

Step 15: Check with the picture and make sure that both the male and female sides of the aFe POWER harness is plugged in and the locking tabs are slid back into place.



Make sure that the connections are fully engaged. Usually, connectors make a snapping sound when fully engaged.



Refer to Figure J for Steps 16-19

Step 16: Reinstall the air filter housing and the intake tube.

Step 17: Reconnect the Mass Airflow Sensor harness.

Step 18: Remove the oil filler cap in order to reinstall the engine cover.

Step 19: Reinstall the engine cover along with the oil cap and the 10mm bolt.

**Figure K****Refer to Figure K for Steps 20-21**

Step 20: Select a location to mount the Scorch HD Power Module. We recommend that the module be mounted in a place that is dry, away from extreme heat and moving parts.

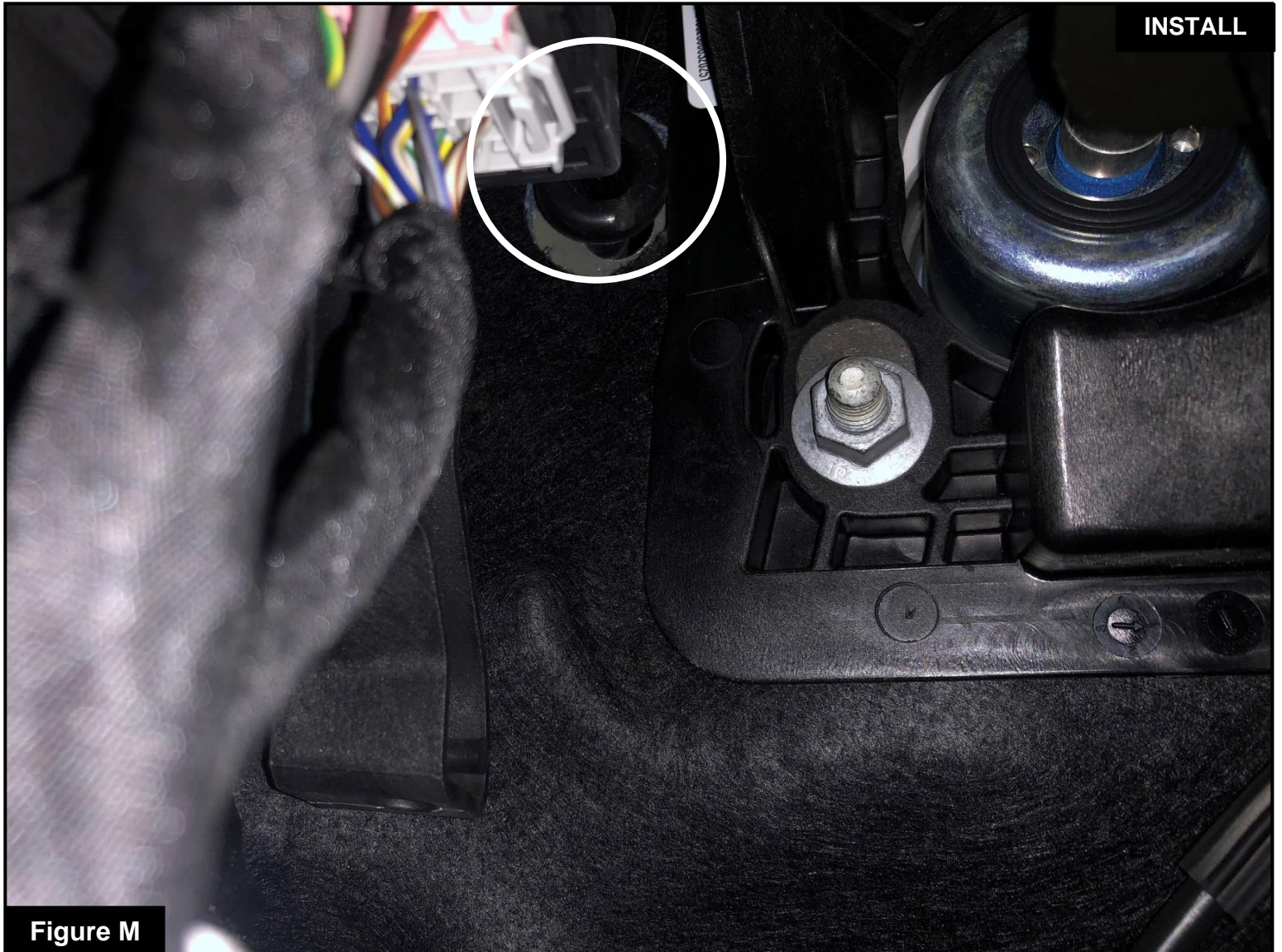
Step 21: Route the harness wires and secure them using the included zip ties for a neat installation.

The door can now be opened to install the LED Switch.

**Figure L****Refer to Figure L for Steps 22-23**

Step 22: Select the desired location for the LED switch. Route the cable on the back of the switch to exit towards the top or the bottom of the switch.

Step 23: Use the provided double sided tape to secure the LED switch in the desired location.

**Figure M****Refer to Figure M for Steps 24-25**

Step 24: Locate the grommet for the hood release cable inside of the cabin's driver side footwell and slightly pull it to the side in order to route the LED switch.

Step 25: Route the connector for the LED switch out to the engine bay using this hole.

**Figure N****Refer to Figure N for Steps 26-27**

Step 26: Plug the end of the LED switch cable to the aFe POWER harness inside the engine compartment.

Step 27: Secure all wires away from any extreme heat and moving parts with the provided zip ties. Make sure all connections are secured and fully engaged.

The installation of the module itself is now complete. Keep reading the installation instructions to learn how to use all of its features.



Figure O

Refer to Figure O (LED Switch)

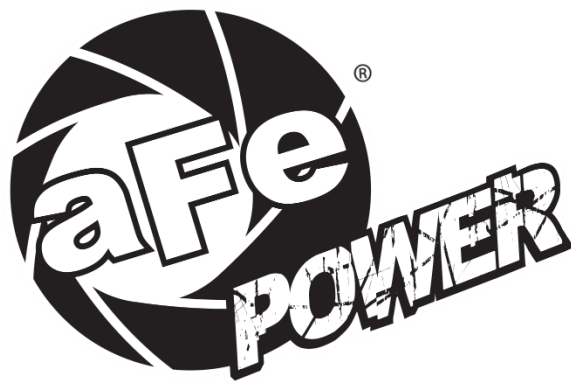
When turning on the vehicle, each LED will flash, and it will stop at its last setting. The LED on the switch represents the different levels of power.

- 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 time while the unit is on.



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