



advanced FLOW engineering

SCORCHER HD Module

Instruction Manual P/N: 77-46101

Make: **Nissan** Model: **Titan XD** Year: **2016-2019** Engine: **V8-5.0L (td) Cummins**



- 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	R77-46101
B	1	LED Switch	05-70029
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.



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



Figure B

Refer to Figure B for Step 2.

Step 1: Locate the MAP ① and Fuel Pressure sensor ②. The MAP sensor is located in front of the engine on top of the manifold, the Fuel pressure sensor is located under the EGR at the end of the fuel rail.



REMOVAL

Figure C

Refer to Figure C for Steps 3-4.

Step 3: Disconnect the MAP sensor.

Step 4: Locate the MAP sensor jumper harness on the aFe module. This is the longer harness with a Blue 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.



Figure D

Refer to Figures D for Steps 5-6.

Step 5: Locate and disconnect the fuel pressure sensor, by pressing on the locking tab and sliding the connector out of the sensor.

Step 6: Locate the fuel pressure sensor jumper harness on the aFe module. This is the shorter harness with an orange rubber seal on the female connector. Plug the female connector of the module into the stock fuel pressure sensor, then take the male connector of the module and connect to the female connector of the engine harness.



NOTE: To help gain access to the fuel pressure sensor, loosen the bracket on the fuel lines under the EGR.



Figure E

Refer to Figure E for Steps 7-8.

Step 7: Select the desired location of the LED switch. Route the cable on the back of the switch to exit towards the top or bottom.

Step 8: Use the provided double sided tape to secure the LED switch in the desired location.

**Figure F****Refer to Figure F for Step 9.**

Step 9: 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 G

Refer to Figure G for Step 10.

Step 10: 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 11: 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.



Air Intake System



P/N: 50-76105 (P10R)
51-76105-E (PDS)

Air Intake Scoop



P/N: 54-76105-S

OE Replacement Filter



P/N: 30-10269 (P5R)
31-10269 (PDS)
73-10269 (PG7)

DPF-Back Exhaust System



P/N: 49-46112-B (Blk Tip)
49-46112-P (Pol Tip)

DPF-Back Exhaust System



P/N: 49-46113-B (Blk Tip)
49-46113-P (Pol Tip)

aFe Diesel T-Shirts



P/N: 40-30221 (M)
40-30222 (L)
40-30223 (XL)
40-30224 (2XL)
40-30225 (3XL)

aFe Turbo Diesel T-Shirts



P/N: 40-30411-B (S)
40-30412-B (M)
40-30413-B (L)
40-30414-B (XL)
40-30415-B (2XL)