

advanced FLOW engineering

Instruction Manual P/N: 77-52002

Make: **Dodge/RAM** Model: **2500/3500** Year: **2007.5-2016** Engine: **L6-6.7L (td) Cummins**
Transmission: **68RFE**



- 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	77-52002
B	2	Velcro (2" inches)	05-01244
C	6	Cable Ties	05-60167

Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.



**Figure A****Refer to Figure A for Step 1.**

Step 1: Locate the MAP ① and Transmission Line Pressure Sensor ②. The MAP sensor is located on the intake manifold. The Line Pressure Sensor is located at the rear of the transmission on the passenger side.



Figure B

Refer to Figure B for Steps 2-3.

Step 2: Locate and disconnect the MAP sensor.

Step 3: Locate the MAP sensor jumper harness on the aFe module. This is harness with the blue rectangular connector. Plug the male connector of the module to the stock map sensor, then the female connector of the module to the male connector of the engine harness. If you are also installing an aFe Scorcher HD module, the ShiftLogic module male connector should be plugged into the MAP sensor. The ShiftLogic female connector should be plugged into the Scorcher HD male connector, and the Scorcher HD female connector should be connected to the stock harness male connector.

NOTE: Make sure connector is fully engaged. Usually, connectors make a snapping sound when fully engaged.

**Figure C****Refer to Figures C for Steps 4-5.**

Step 4: Disconnect the Transmission Line Pressure sensor.

Step 5: Locate the Transmission Line Pressure sensor jumper harness on the aFe module.

This is the harness with the square black connector. Plug the male connector of the module to the stock Line Pressure sensor, then the female connector of the module to the male connector of the transmission harness.



Figure D

Refer to Figure D for Step 6.

Step 6: Mount the module in a safe location, such as the fuse box, using the supplied Velcro 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 E****Refer to Figure E for Step 7.**

Step 7: The LED represents which setting the module is in.

- No Light: OFF
- Yellow: Stage 1
- Red: Stage 2

Thank you for choosing aFe POWER!



Intercooler w/ Tubes



P/N: 46-20032 ('07.5-'09)
46-20132-B ('13-'17)
46-20082 ('10-'11)

Front Differential Cover



P/N: 46-70042-WL (w/ Oil)
46-70042 (Blk)
46-70040 (RAW)

Oil Filter



P/N: 44-LF002

Air Intake System



P/N: 50-72005 (P10R) '13-'17
50-72004 (P10R) '10-'12
50-72003 (P10R) '07.5-'09

Transmission Pan



P/N: 46-70062 (Black) '07.5-'12
46-70060 (RAW) '07.5-'12

5" Race Exhaust System



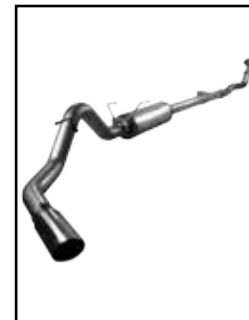
P/N: 49-02030NM ('07.5-'12)
49-02047NM-1 ('13-'17)

Intake Manifold



P/N: 46-10073-1

4" Turbo-Back Exhaust



P/N: 49-42009-1 ('07.5-'12)
49-42054-B ('13-'17)

Intercooler Tubes



P/N: 46-20034-B ('07.5-'09)
46-20084-B ('10-'12)
46-20134-B ('13-'17)

OER Air Filter



P/N: 30-10102 (P5R)
31-10102 (PDS)
73-10102 (PG7)

DFS780 Fuel Pump



P/N: 42-12032 ('05-'10)
42-12034 ('11-'12)
42-12035 ('13-'17)

Fuel Filter



P/N: 44-FF012 ('07.5-'09)
44-FF016 ('10-'17)