



advanced FLOW engineering

Instruction Manual P/N: 77-52002

Make: **Dodge/RAM** Model: **2500/3500** Year: **2007.5-2018** 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 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 | 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!

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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)

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video please go to aFepower.com.

Warranty

General Terms:

- aFe warrants their products to be free from manufacturer's defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization ("RGA"), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

| Product Category | P/N Prefix | Warranty duration |
|----------------------------------|--------------------------------|---------------------|
| Direct OE Replacement Filters | 10, 11, 30, 31, 71, 73 | Life of the vehicle |
| Racing Filters | 18 | 1 year |
| Universal | 21, 24, 72, TF | 2 years |
| Air Intake Systems | 50, 51, 54, 55, 75, TR, TA, TL | 2 years |
| Exhaust Systems | 49 | 2 years |
| Intercoolers & Intercooler Tubes | 46-2 | 2 years |
| Intake Manifolds | 46-1 | 2 years |
| Differential Cover | 46-7 | Life of the vehicle |
| Exhaust Manifolds | 46 | 2 years |
| Throttle Body Spacers | 46-3 | 2 years |
| Fluid Filters | 44 | 90 days |
| Pre-Filters | 28 | 2 years |
| Heavy Duty OE Replacement | 70 | 2 years |
| PowerSports OE Replacement | 81, 87 | 2 years |
| PowerSports Intake Systems | 85 | 2 years |
| Tuners | 77 | Contact aFe |

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.



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