



advanced FLOW engineering

Instruction Manual P/N: 51-32413-E

Make: **RAM** Model: **2500 Heavy Duty** Year: **2013-2018** Engine: **L6-6.7L (td) Cummins**
Make: **RAM** Model: **3500 Heavy Duty** Year: **2013-2018** Engine: **L6-6.7L (td) Cummins**
Make: **RAM** Model: **4500 Heavy Duty** Year: **2013-2018** Engine: **L6-6.7L (td) Cummins**
Make: **RAM** Model: **5500 Heavy Duty** Year: **2013-2018** Engine: **L6-6.7L (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 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	Air Filter (Pro DRY S)	21-91064
B	1	Tube	05-32412B1
C	1	Housing	05-32412B2
D	1	Seal Trim 3/4" x 25" (26" inches)	05-00007
E	2	M4 x 0.7 x 10 Screw	03-50221
F	3	Panel Nut 1/4-20	03-50389
G	3	Screw 1/4-20 Hex	03-50100
H	1	Cover	05-32412B3
I	1	M4 x 0.7 x 16 Screw	03-50030
J	1	12 oz. Cleaner Spray	90-10011

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.



A



H



C



B



D



I



E



G



F



J



Figure A

Refer to Figure A for Steps 1-2

Step 1: Remove sensor retaining screws and wire harness tie from filter cover.

Step 2: Remove sensors from cover and lay aside. **Do not disconnect sensors from harness during installation, as this will cause a check engine light** (1).



Figure B

Refer to Figure B for Step 3

Step 3: Loosen 3 screws that hold down the cover. Two of the screws will be used on the new filter housing ②.



Figure C

Refer to Figure C for Step 4

Step 4: Loosen the upper band clamp on the turbo inlet elbow. Then remove the filter cover, tube, and filter. Do not discard (3).



Figure D

Refer to Figure D for Step 5

Step 5: Pre-assemble filter into housing. Make sure housing is seated in filter retention groove. Install large end of your new intake tube into filter and temporarily tighten (4).



Figure E

Refer to Figure E for Step 6

Step 6: Drop housing and tube assembly into place and fasten housing with the two original screws (5).



Figure F

Refer to Figure F for Step 7

Step 7: Install sensors (**Note: Do not disconnect the sensors from the harness**). Do not overtighten. Use the longer screw for the MAP sensor ⑥ and use the two short screws for the MAF sensor ⑦. Tighten upper band clamp on turbo inlet elbow.

**Figure G****Refer to Figure G for Step 8**

Step 8: The filter band clamp can now be loosened and filter rotated for final positioning if needed.

Step 9: Install the provided trim seal on the upper edge of housing. It can be trimmed with wire cutters if necessary. Note: There is also an optional cover (Only included in kits 51/54/75-32413 or purchased separately 54-32418) that can be used to enclose the filter if desired (As shown). To install cover, remove seal trim and place the cover onto the housing. Install the 3 panel nuts and screws to secure cover to housing (8).

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Pro DRY S Air Filter



P/N: 21-91064

Pre Filter



P/N: 28-10053

Pro DRY S Restore Kit



P/N: 90-59999

Intake Manifold



P/N: 46-10072

SPRINT BOOSTER V3



P/N: 77-12007

SCORCHER BLUE



P/N: 77-82009

Diesel Fuel System



P/N: 42-12031

DP-Back Exhaust System



P/N: 49-02047

Race-Pipe Exhaust



P/N: 49-42055

Intercooler w/ Tubes



P/N: 46-20132-B

Oil Filter



P/N: 44-LF002

Fuel Filter



P/N: 44-FF016

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 nontransferable.
- 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	2 years
Air Intake Systems	50, 51, 54, 55, 75	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

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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