



advanced FLOW engineering Stage-2 Air Intake

Instruction Manual P/N: 51-12012 & 54-12012

Make: **Dodge** Model: **RAM 1500** Year: **2002-2007** Engine: **V8-4.7L**



- 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
A1	1	Pro DRY S Air Filter	21-91040 (Gray Media)
A2	1	Pro 5R Air Filter	24-91040 (Blue Media)
B	1	Tube	05-12012B1
C	1	Housing	05-01046
D	1	Adaptor	05-00611
E	1	Straight Coupling	05-00307
F	1	Elbow Coupling	05-00464
G	1	Seal Trim - 29"	05-00072
H	1	5/8" Fuel Hose - 4"	05-00069
I	3	Clamp #56	03-50009
J	1	Clamp #64	03-50006
K	1	Grommet	03-50050
L	5	Button Head Screw	03-50102

Installation will require the following tools:
4mm Hex Key, 8mm Socket, 10mm Socket & Ratchet.





Refer to Figure A for step 1

Step 1. Disconnect the wiring harness from the temperature sensor. Disconnect the crankcase breather hose from the engine. Remove the mounting bolts from the air intake plenum. Release the airbox clips from the airbox lid.



Figure B

Refer to Figure B for step 2

Step 2. Remove the airbox lid, air intake tube and plenum from the vehicle. Remove the air filter from the airbox. Remove the temp sensor from the air intake tube.



Figure C

Refer to Figure C for step 3

Step 3. Attach the air filter adaptor to the aFe air filter housing using the supplied fasteners. Install the aFe air filter on the air filter adaptor and tighten the clamp. Install the elbow coupling on the air filter adaptor and loosely install the clamps.

**Figure D****Refer to Figure D for step 4**

Step 4. Install the supplied grommet in the aFe air intake tube. Insert the temperature sensor in the grommet. Install the supplied crankcase breather hose on the aFe air intake tube.



Figure E

Refer to Figure E for step 5

Step 5. Install the straight coupling on the throttle body and loosely install the clamps. Install the aFe air filter housing on the airbox in the vehicle. Secure the air filter housing with the OE clips.



Figure F

Refer to Figure F for step 6

Step 6. Install the aFe air intake tube first into the elbow coupling followed by the straight coupling. Align the air intake tube by rotating the elbow coupler prior to tightening the clamp. Tighten the remaining three clamps after the tube is properly aligned to the throttle body. Connect the crankcase breather hose to the engine.

NOTE: Place enclosed CARB EO sticker on a smooth/clean surface on or near the air intake system. EO identification label is required to pass the smog check inspection. Your installation is now completed. Thank you for choosing aFePower.



Pro DRY S Air Filter



P/N: 21-91040

Pro 5R Air Filter



P/N: 24-91040

Pro DRY S Restore Kit



P/N: 90-59999

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

aFe Key Chain



P/N: 40-10149

aFe Power Hat



P/N: 40-10083

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	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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