

advanced FLOW engineering

Instruction Manual P/N: 54-12402 / 51-12402

Make: **Dodge/RAM** Model: **1500** Year: **2009-2017** Engine: **V8-5.7L HEMI**



- 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	Pro Dry S Air Filter	21-91040 (Gray Media)
A2	1	Pro 5R Air Filter	24-91040 (Blue Media)
B	1	Heat Shield	05-01046
C	1	Tube	05-12402B1
D	1	Coupling, Elbow Silicone	05-01353
E	1	Coupling, 3.5 x 2	05-01280
F	1	Clamp, #64	03-50006
G	5	Screw. Button Head	03-50113
H	1	Seal Trim, (29.25")	05-00072
I	1	Adaptor	05-00611
J	1	Grommet	03-50050
K	1	Hose (21")	05-00069
L	3	Clamp #56	05-50009
M	1	Fitting 3/4 x 5/8	03-50147
N	1	Elbow, 5/8	03-50165
O	1	Hose (4.5")	05-00069

Installation will require the following tools:

Flat head screw driver, Phillips screw driver, 8mm socket, 10mm socket, Ratchet & 5/16 nut driver.

Note: Legal in California for use on race vehicles only, except for 2013 model year.. 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

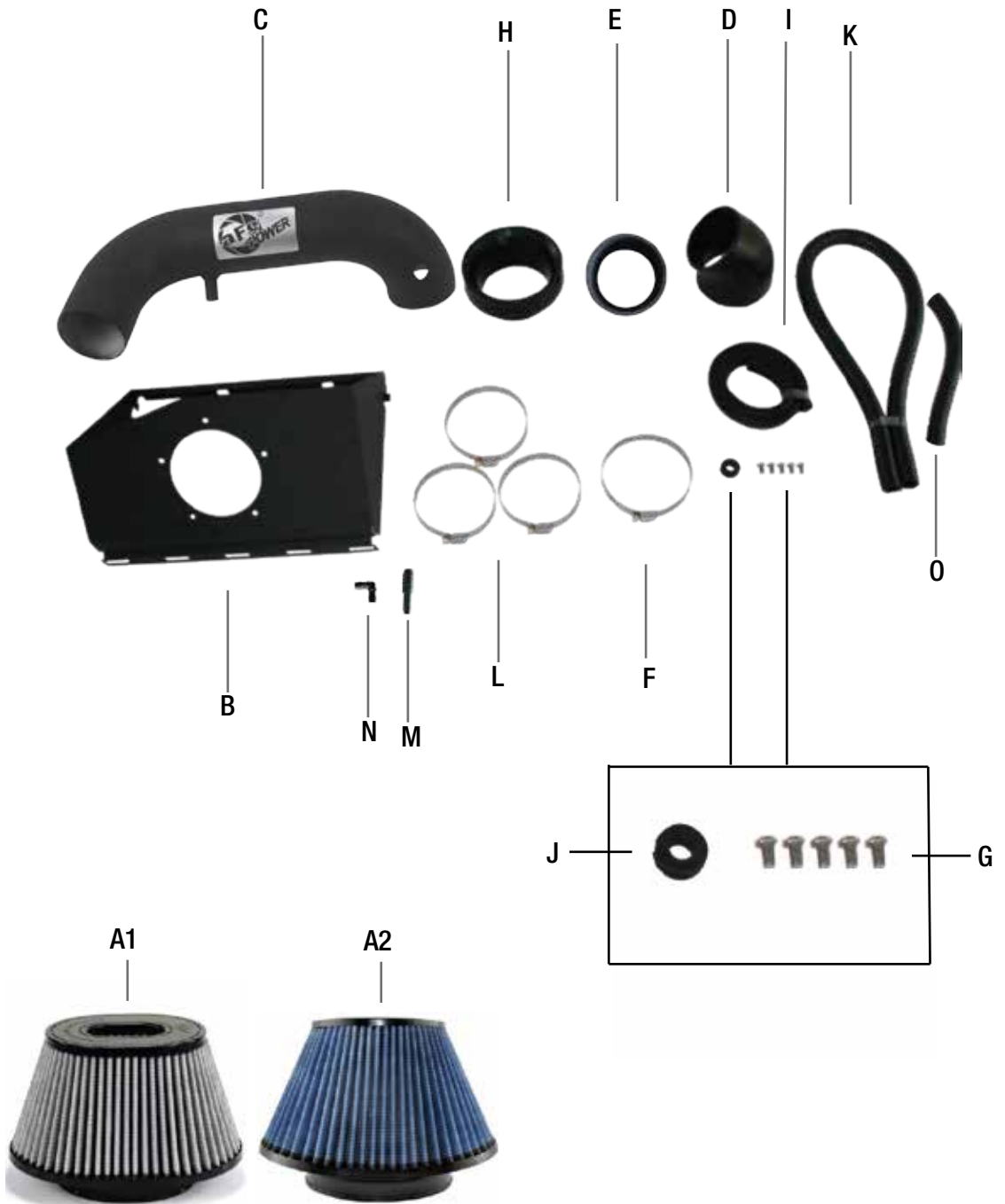




Figure A

Refer to Figure A

Step 1: Remove the 4 clips holding the top portion of the air box together. ①



Figure B

Refer to Figure B

Step 2: Disconnect the Temperature Sensor harness from factory intake. ②



Figure C

Refer to Figure C

Step 3: Loosen the clamp holding the intake tube to the vehicle. (3)

Step 4: Disconnect the crank case line from the air box. (4)

Unclip temperature sensor fastener wire for extra slack. (5)

Step 5: Pull the top of the intake system out of the vehicle with the intake tube.

Step 6: Pull the engine cover off by lifting it straight up. (6)

Step 7: Now remove the OE crank case vent line (4) from where it meets the engine, assemble the OE vent elbow with adaptor, long & short hose with elbow. Reinstall vent hose and engine cover.









Figure D

Refer to Figure D

Step 8: Using the hardware supplied, mount the adaptor to the heat shield using 5 button head screws.



Figure E

Refer to Figure E

Step 9: Mount your aFe air filter to the adaptor installed in step 8 with the clamp provided

Step 10: Now install the seal trim around the edge of the heat shield.



Figure F

Refer to Figure F

Step 11: Place the new heat shield and filter onto the lower half of the factory air box.

Step 12: Use the factory clips to secure the heat shield down onto the air box.



Figure G

Refer to Figure G

Step 14: Install the new grommet into your aFe intake tube. ⑦

Step 15: Carefully pull the temperature sensor ⑧ out of the factory intake tube. Remove the O-Ring and insert it into the grommet ⑦ on your aFe intake tube.



Refer to Figure H

Step 16: Install the intake tube filter end FIRST, then throttle body end.

Step 17: Connect the crank case line that you installed in the step 7 to the intake tube. ⑨

Step 18: Connect the temperature sensor harness. ⑩

Step 19: Your installation is now complete, check all connections to insure a proper seal.

* Verify all connections are secure 100-200 miles after installation

Page left blank intentionally



Page left blank intentionally

Page left blank intentionally



Pro DRY S Air Filter



P/N: 21-91040

Pro DRY S Air Filter



P/N: 24-91040

Pro DRY S Restore Kit



P/N: 90-59999

Pro 5R Restore Kit



P/N: 90-50501

Throttle Body Spacer



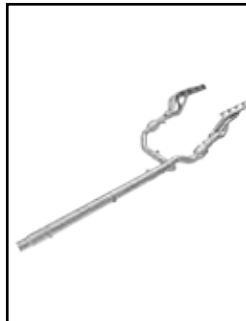
P/N: 46-32005

Differential Cover



P/N: 46-70272 (Black)
46-70270 (Raw)

Headers



P/N: 48-42010-YC (Street)

Exhaust



P/N: 49-42013-B (Black)
49-42013-P (Polish)

Exhaust Y-Pipe



P/N: 48-42004 (Race)

AIS Cover



P/N: 54-11638-B

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

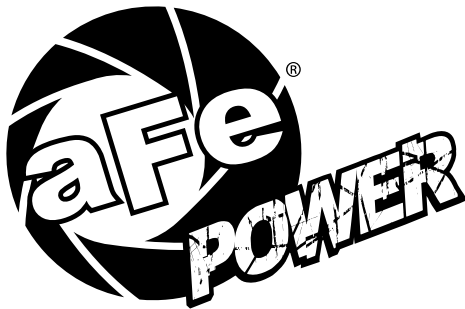
Warranty

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.



advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

TEL: 951.493.7100 • TECH: 951.493.7100 x23

E-Mail: Tech@aFepower.com