advanced FLOW engineering

Instruction Manual P/N: 51-12372 & 54-12372

Make: **Dodge/RAM** Model: **1500** Year: **09-16** Engine: **V8-5.7L HEMI**

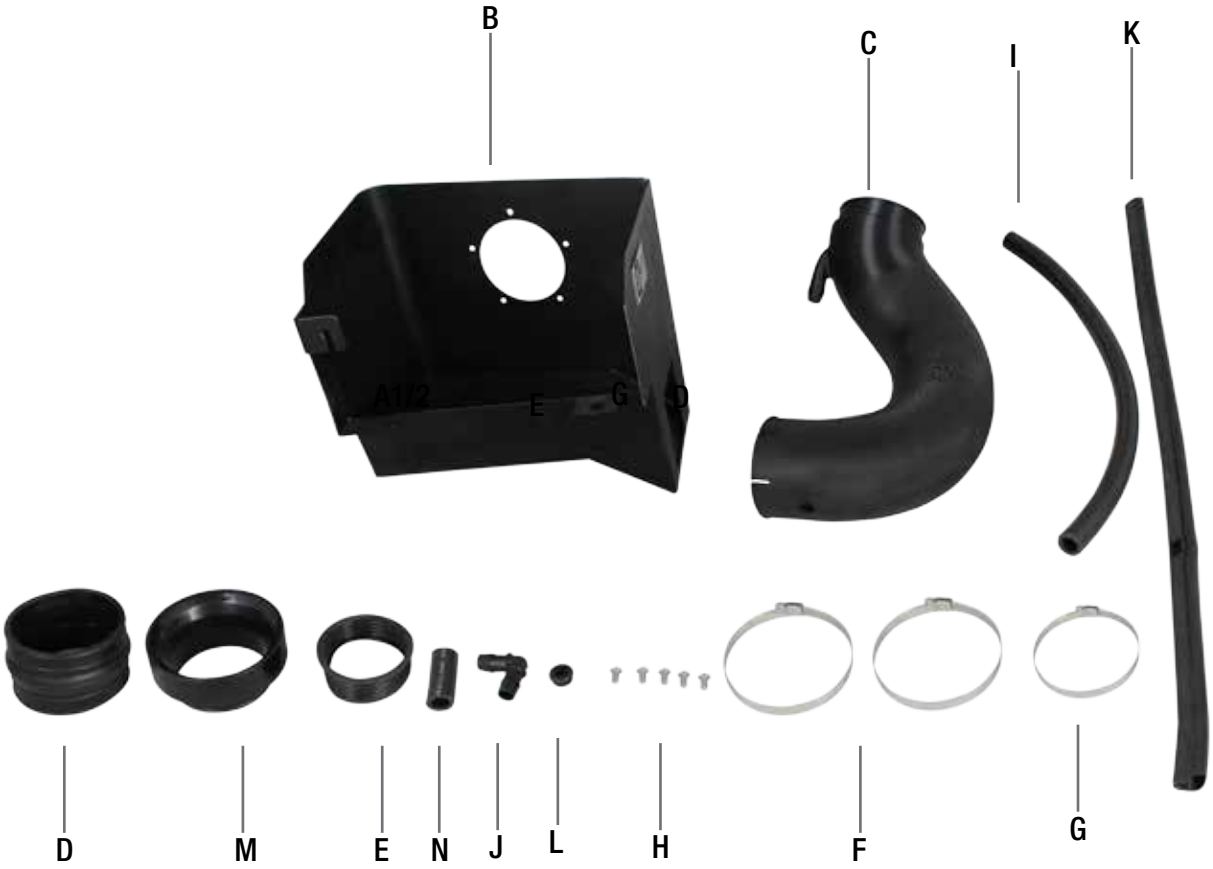
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.

Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Pro DRY S Air Filter	21-91080 (Gray Media)
A2	1	Pro 5R Air Filter	24-91080 (Blue Media)
B	1	Housing	05-12372B2
C	1	Tube	05-12372B1
D	1	Coupling Hump 3"	05-00794
E	1	Coupling adaptor 3.5"	05-01193
F	2	Clamp 064	03-50006
G	1	Clamp 056	03-50009
H	5	Screw, M6	03-50113
I	1	Hose, 5/8" x 23"	05-00069
J	1	Fitting, elbow, 5/8"	03-50165
K	1	Seal Trim, 35"	05-00007
L	1	Grommet	03-50033
M	1	Adaptor	05-00611
N	1	Hose, 5/8" x 2 1/4"	05-00069

Installation will require the following tools:
13mm socket or wrench & 8mm or 5/16 driver.

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.


B
C
I
K
A1/2
E
G
D
D
M
E
N
J
L
H
F
G

A1

A2

Figure A

Refer to Figure A for steps 1-3

Step 1: Disconnect temperature sensor harness (1).

Step 2: Remove and save temperature sensor using a ¼ turn counter-clockwise twist. Do not damage.

Step 3: Loosen the inlet tube clamps and remove tube.

Figure B

Refer to Figure B for steps 4-6

Step 4: Remove Engine cover.

Step 5: Remove vent tube from air box and engine vent (2).

Step 6: Lift air box up and rotate towards the front for the scoop to clear the air condition lines (3).

Figure C

Refer to Figure C for steps 7-9

Step 7: Remove the oe air box scoop and transfer to the aFe filter housing (4).

Step 8: Transfer 3 of the rubber mounting grommets as shown (5).

Step 9: Add the supplied edge trim (6) and mount the filter adaptor (7) with the 5 screws provided.

Figure D

Refer to Figure D for step 10

Step 10: Remove the 13mm head hex screw from the inner fender (8).

Figure E

Refer to Figure E for steps 11-12

Step 11: Lower the AFE filter housing into position with the scoop pointed downward and rotate to clear the air condition lines.

Step 12: Slip over the mounting pegs and reinstall the inner fender screw

Figure F

Refer to Figure F for step 13

Step 13: Install the AFE filter and tighten 9.

Figure G

Refer to Figure G for step 14

Step 14: Install the provided sensor grommet into the AFE inlet tube and push in the sensor (10).

Figure H

Refer to Figure H for step 15

Step 15: Install the provided 5/8 x 2 1/4 hose (11) , 5/8 elbow, (12) and 5/8 x 23" hose (13) onto the engine vent fitting.

Figure I

Refer to Figure I for steps 16-18

Step 16: Reinstall engine cover.

Step 17: Place hump coupler and (2) #064 clamps onto filter adaptor (14).

Step 18: Place throttle body soft adaptor onto throttle body inlet (15).

Figure J

Refer to Figure J for steps 19-20

Step 19: Install intake tube with (1) #056 clamp at throttle body end and tighten all clamps.

Step 20: Connect vent hose by reaching under engine cover and pushing onto tube vent (16).

Figure K

Refer to Figure K for step 21

Step 21: Reconnect temperature sensor harness 17.

Note: Retighten all connections after approximately 100-200 miles.

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PRO DRY S Air Filter

P/N: 21-91080

PRO 5R Air Filter

P/N: 24-91080

Pro DRY S Restore Kit

P/N: 90-50001

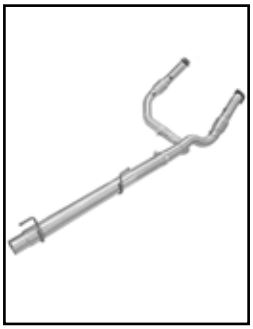
Blue Squeeze Restore Kit

P/N: 90-50501

Twisted Steel Headers

P/N: 48-42001

Y-Pipe Exhaust



P/N: 48-42004 (Race)
48-02003 (Stree)

Exhaust System

P/N: 49-42044-B (Black)
49-42044-P (Polish)

Differential Cover

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

Headers & Y-Pipe Exhaust

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

Intake System

P/N: 54-72102 (P5R)
51-72102 (PDS)

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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