



**advanced FLOW engineering**

**Instruction Manual** P/N: 51-10402-1 & 54-10402-1

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Make: **Hummer** Model: **H2** Year: **2003-2009** Engine: **V8-6.0L & 6.2L**



- 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.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.

## Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro 5R)	R24B91018
A2	1	Air Filter (Pro DRY S)	R21B90020
B	1	Tube	05-00609
C	1	Housing	05-00147
D	5	Washer, Wavy M6	03-50058
E	3	Clamp 064 (2-1/2"-4 1/2")	03-50006
F	1	Clamp 072 (3"-5")	03-50010
G	2	Clamp, 060 (3-5/16"-4-1/4")	03-50002
H	1	Trim Seal 7/16" x 24"	05-00072
I	1	Coupling, Straight	05-00421
J	1	Coupling, Reducer 4"x 3-3/4"	05-00020
K	1	Coupling, Reducer 4"x 3-1/2"	05-00033
L	1	Coupling 4 x 4 x 15°	05-01226
M	5	Screw, HD M6 x 1x 10	03-50113
N	1	Hose, 3/8" x 13"	05-00110
O	1	Grommet, Rubber	03-50268
P	1	Fitting, Elbow 3/8"	03-50151
Q	1	Adaptor	05-00611

Installation will require the following tools:

8mm nut driver, 6mm nut driver, 7mm nut driver, flat head screwdriver

Note: 2003-2005 vehicles are CARB exempt (D-550-3). 2006-2009 are currently not CARB exempt and is not available for sale or use in California.





**Refer to Figure A for step 1-2**

Step 1: Disconnect negative terminal from battery. Remove the 8mm engine cover bolt and set aside.

Step 2: Disconnect the MAF sensor ①.



**Refer to Figure B for steps 3-7**

Step 3: Loosen the hose clamp connecting the MAF sensor to the filter hosing (2).

Step 4: Remove the three 10mm bolts securing the housing to the engine (3).

Step 5: Loosen the clamps connecting the intake duct to the throttle body (4).

Step 6: On 6.2L engines disconnect vent hose from engine (5).

Step 7: Remove entire intake duct out of engine bay (6).



Figure C

**Refer to Figure C for step 8-9**

Step 8: Use a flathead screwdriver to remove the steel sleeve in the center.

Step 9: Remove the three rubber mounts on the bottom of the airbox.



**Figure D**

**Refer to Figure D for step 10**

Step 10: Transfer the rubber mounts to the new air filter housing. Use a bit of lubricant to ease installation of the mounts.



Figure E

**Refer to Figure E for steps 11-12**

Step 11: Slide the filter adapter in to the housing.

Step 12: Bolt the adapter to the housing using the supplied M6 screws and washers.





**Refer to Figure F for steps 13-14**

Step 13: Place the rubber trim seal along edges of the housing.

Step 14: Bolt the housing to the engine bay using the factory bolts removed in step 4.



Figure G

**Refer to Figure G for step 15**

Step 15: Install intake filter into housing.

INSTALL



Figure H

**Refer to Figure H for 6.2L Engine vent tube**

Step 1: Drill a 5/8" hole at the tube part # location.

Step 2: Insert grommet 03-50268 into tube.

Step 3: Insert 3/8" elbow 03-50151 into grommet.

Step 4: Attach 3/8" hose onto elbow.

**NOTE: THIS STEP APPLIES TO 6.2 ENGINES ONLY!**

**Figure I****Refer to Figure I for steps 17-20**

Step 17: Place straight coupler on throttle body and install intake tube. On 6.2L engines use 15° angle coupler (7) .

Step 18: Tighten and secure all hose clamps. Attach vent hose to engine vent on 6.2L engines (8) .

Step 19: Rotate fan to make sure there is sufficient clearance between the intake tube and the fan.

Step 20: Reconnect the MAF sensor harness (9) .



Figure J

**Refer to Figure J for steps 22-23**

Step 22: Re-install the plastic engine cover. On 6.2L engines slight cover trimming is needed for clearance (10).

Step 23: Your installation is now complete. Make sure you tighten all clamps and check all electrical connections. Re-check periodically.



Pro DRY S Air Filter



P/N: 21-90020

Pro 5R Air Filter



P/N: 24-91018

Blue Aerosol Restore Kit



P/N: 90-50001

Blue Squeeze Restore Kit



P/N: 90-50501

aFe Power Hat



P/N: 40-10083

# 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"). 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
Turbochargers	46-6	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.

\*See turbocharger warranty for more info

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