

advanced FLOW engineering Stage-2 Air Intake

Instruction Manual P/N: 51-12322-1/54-12322-1/75-12322-1

Make: **GM** Model: **Silverado HD/Sierra HD** Year: **2011-2016** Engine: **V8-6.6L (td) LML**



- 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	R21B91051
A2	1	Pro 5R Air Filter	R24B91051
A3	1	Pro-GUARD 7 Air Filter	R75B91051
B	1	Housing	05-11922B3
C	1	Tube 1 of 2	05-12322B1
D	1	Tube 2 of 2	05-12322B2
E	1	Seal, Trim: (43")	05-00072
F	1	Rubber Edge, Trim: (8")	05-00149
G	4	Clamp, #080	03-50011
H	1	Coupling, Silicone Hump	05-01255
I	1	Filter Adaptor	05-00611
J	1	Insert, MAS Flow	05-01153
K	1	Coupling, Filter Adaptor	05-01157
L	1	Coupling, Turbo Adaptor	05-01158
M	5	Screw, Socket: M6x1x10	03-50113
N	2	Screw, Slotted: M4x.7x8	03-50034
O	1	Torx Bit: T20	03-50066
P	1	Sensor Cover	05-01372
Q	2	Screw, M4x12mm	03-50455
R	1	Gasket, MAS	05-00631

Installation will require the following tools:

8mm Nut driver, 10mm Nut driver, Torx 20 (T20), and 4mm hex key.





Refer to Figure A for steps 1-3

Step 1: Disconnect the Mass Air Flow (MAF) sensor (1) and humidity sensor if equipped (2). Remove sensor(s) with a Torx (T-20) driver.

Step 2: Disconnect the temp sensor harness (3) .

Step 3: Loosen all tube clamps using an 8mm nut driver. Remove the tubes.



Figure B

Refer to Figure B for steps 4-5

Step 4: Remove the OE filter housing with an upward pull to release it from its mounting grommets.

Step 5: Remove the housing mounting tray with a 10mm nut driver.

Also remove the trim screw from the top of the core support with a 10mm nut driver, save the screws for reuse.



Figure C

Refer to Figure C for steps 6-7

- Step 6: Install the filter adaptor onto the housing with 5 button head socket screws and a 4mm hex key.
- Step 7: Install the trim seal along the top and side of the housing. A couple of tight bends will be needed rounding the corners.



Figure D

Refer to Figure D for step 8

Step 8: Lower the housing into place and secure with the original screws. This can be done without disconnecting the small coolant hose. Tighten with a 10mm nut driver.

**Figure E****Refer to Figure E for step 9**

Step 9: Wipe down inside and outside surfaces of the filter adaptor coupler to remove any slippery mold release agent. Install the filter adaptor coupler in position. Align the slots on coupler with the button head screws as shown.



Figure F

Refer to Figure F for step 10

Step 10: Wipe down inside and outside surfaces of the turbo inlet coupler to remove any slippery mold release agent. Install turbo inlet coupler over the turbo inlet.

**Figure G****Refer to Figure G for steps 11-13**

Step 11: Install the MAS flow insert inside the turbo inlet tube near the MAF sensor location. (This MAS flow insert is an essential component for proper operation). Install the MAF sensor with slotted screws and if equipped humidity sensor using the furnished counter sunk screws (re-use factory o-ring). Slip the hump coupler over this end of the tube & secure loosely with a provided hose clamp. Use cover plate, gasket and M4 screws if not equipped with humidity sensor.

Step 12: Place hose clamps over the tube ends, assemble the tubes from front to rear, tighten all clamps.

Step 13: Install filter. It should be lowered into the housing and brought back up onto the filter adaptor.



Figure H

Refer to Figure H for steps 14-15

Step 14: The temp sensor harness should cross over the intake tube and reconnect to the sensor. Also reconnect the mass air flow sensor and humidity sensor.

Step 15: Re-connect the negative battery terminal. Check that all components are tight and secure. Your installation is now complete.

NOTE: Check all bolts, clamps, and connectors after 200 miles. Place enclosed CARB EO sticker on or near the device on a smooth/clean surface. EO identification label is required to pass the smog test inspection.



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Pro DRY S Air Filter



P/N: 21-91051

Pro 5R Air Filter



P/N: 24-91051

Pro-GUARD 7 Air Filter



P/N: 72-91051

Pre-Filter



P/N: 28-10303

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Gold Squeeze Restore Kit



P/N: 90-50500

Module



P/N: 77-44007 ('11-14')
77-44008 ('15-16')

Intercooler Tubes



P/N: 46-20114-B

Intercooler



P/N: 46-20111

Cat-Back Exhaust



P/N: 49-44029-B (Blk Tip)
49-44029-P (Pol Tip)

DP-Back Exhaust



P/N: 49-44044-B (Blk Tip)
49-44044-P (Pol Tip)

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

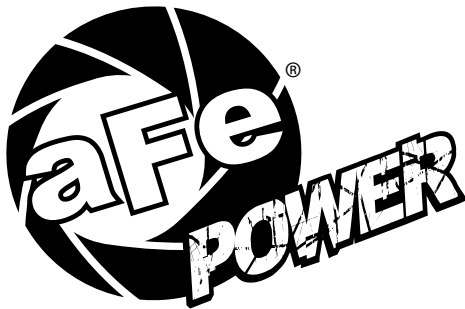
Warranty

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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