

advanced FLOW engineering

Instruction Manual P/N: 51-12102-P & 54-12102-P

Make: **FORD** Model: **MUSTANG** Year: **2011-2012** Engine: **V6-3.7L**



- 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	Air Filter (Pro DRY S)	21-90015 (51-12102-P)
A2	1	Air Filter (Pro 5R)	24-91007 (54-12102-P)
B	1	Housing (Wrinkle Black)	05-01084
C	1	Tube (Polished)	05-12102-P1
D	1	Adaptor, Injection Molded: 5.5"	05-00611
E	1	Coupling, Elbow	05-00464
F	1	Coupling, Straight	05-00664
G	1	Clamp, 072	03-50010
H	1	Clamp, 060	03-50002
I	2	Clamp, 048	03-50007
J	1	Seal, Trim: 3/4" (32.75 length)	05-00789
K	5	Screw, Button Head: M6x1x12	03-50102
L	2	Screw, Cheese Head: M4x.7x8	03-50034
M	1	Torx Bit: T20	03-50066
N	1	Cap: 3/8"OD	03-50119
O	1	Clamp, Mini 006	03-50025

Installation will require the following tools:

8mm nut driver, 10mm nut driver, flat head screw driver, T20 torx bit (provided), 4mm allen hex key




Figure A

Refer to Figure A for steps 1-4

Step 1: Disconnect the MAF sensor vent. ①

Step 2: Un-clip the crank case vent. ②

Step 3: Loosen the throttle body clamp using an 8mm nut driver. ③

Step 4: Un-clamp the top portion of the stock airbox. Remove the tube and stock airbox cover together in one piece. ④



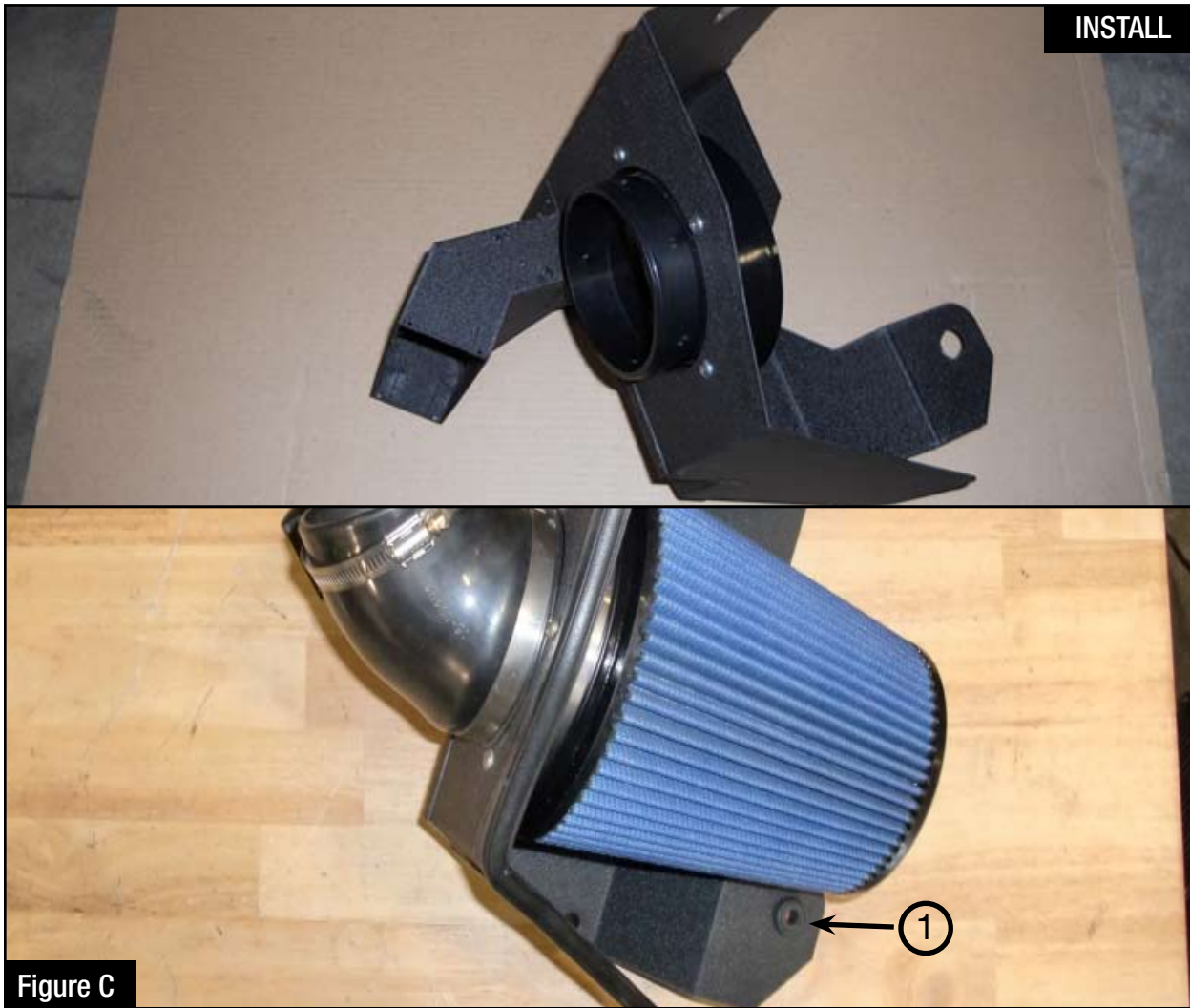
Figure B

Refer to Figure B for steps 5-7

Step 5: Remove the (OE) stock air filter.

Step 6: Remove the bolt holding down the lower portion of the stock airbox using a 10mm nut driver.

Step 7: Remove the lower portion of the stock airbox. *(Make sure that the OE grommets stay in their location, the aFe housing will need them to secure in place.)* (5)

**Figure C****Refer to Figure C for steps 8-11**

Step 8: Pre-assemble the aFe housing. Remove the grommet located in the lower portion of the stock airbox and place on the aFe housing. (6)

Step 9: Install the injection molded adaptor to the aFe housing. Use the M6 screws, then tighten down the adaptor using a 4mm allen hex key.

Step 10: Pre-assemble the angle coupling and secure by using the clamps provided, **do not tighten down.**

Step 11: Install air filter using an 8mm nut driver.

**Figure D****Refer to Figure D for steps 12-13**

Step 12: Remove the MAF sensor from the stock airbox cover using a t-20 torx bit (provided). ⑦

Step 13: Install the MAF sensor into the aFe intake tube using the supplied hardware. Tighten down using a flat head screw driver.



Figure E

Refer to Figure E for steps 14-15

Step 14: Install the pre-assembled aFe housing. Bolt down using factory bolt from lower portion of the stock airbox. Tighten down using a 10mm nut driver.

Step 15: Loosely place clamps on straight coupling and place part onto the throttle body. **Do not tighten down.**



Figure F

Refer to Figure F for steps 16-21

Step 16: Install the intake tube. Adjust the couplings for best fit.

Step 17: Tighten the coupling clamps using an 8mm nut driver.

Step 18: Plug in the MAF sensor plug.

Step 19: On automatic transmission applications reconnect rubber hose with clamp. (8)

On manual transmission applications use sealing cap. (9)

Step 20: Reattach crankcase vent tube. (10) Your installation is now complete, enjoy!

Step 21: Secure all clamps. Your installation is now complete, enjoy!

Note: Re-tighten all connections after approximately 100-200 miles of initial installation.



Pro DRY S Air Filter



P/N: 21-90015

Pro 5R Air Filter



P/N: 24-91007

Pre-Filters



P/N: 28-10111 Yellow
P/N: 28-10112 Red
P/N: 28-10113 Black
P/N: 28-10114 Blue

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 Power Hat



P/N: 40-10114 S/M
P/N: 40-10115 L/XL

aFe Key Chain



P/N: 40-10103

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/Transmission Pan	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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