



advanced FLOW engineering
Instruction Manual P/N: 54-12592/ 51-12592

Make: **FORD** Model: **F-150** Year: **2011-2014** 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.
- 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 5R)	24-91040
A2	1	Air Filter (Pro DRY S)	21-91040
B	1	Clamp, 064 (2-1/2" - 4-1/2")	03-50006
C	2	Clamp, 048 (2-9/16" - 3-1/2")	03-50007
D	1	Clamp, 052 (2-13/16" - 3-3/4")	03-50008
E	5	Screw, Btn Hd Socket: M6x1x12	03-50102
F	1	Hose, Fuel: 5/8" ID, Black (16 inches)	05-00069
G	1	Seal, Trim: 7/16" Bulb (24.5 inches)	05-00072
H	1	Hose, Fuel: 3/8" ID, Black (16 inches)	05-00110
I	1	Coupling, Elbow Reducer (4"x3-1/2")	05-00464
J	1	Coupling, Hump: 3"ID x 3"L (Blk)	05-00564
K	1	Adaptor, injection Molded: 5.5"	05-00611
L	1	Housing	05-01024
M	1	Tube	05-12592B1
N	2	Cheese Head Screw	03-50034
O	1	Torx bit: 20	03-50066

Tools needed: Torx 20, 8mm Nut Driver, Flat Head Screwdriver, 5/32" Hex Key.

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.



**Figure A****Refer to Figure A for Steps 1-6**

Step 1: Disconnect the Mass Air Flow Sensor (MAF) harness from the top portion of the factory air box. ①

Step 2: Disconnect the vacuum line and crankcase line from the factory intake tube. ②

Step 3: Loosen the throttle body clamp. ③

Step 4: Unclip the top portion of the factory air box ④.

Step 5: Remove the factory intake with the top portion of the air box attached by pulling from the throttle body side, then lift straight up towards you. ⑤

Step 6: Remove the factory air filter from the lower portion of the air box.



Figure B

Refer to Figure B for Steps 7-9

Step 7: Remove the MAF sensor from the top portion of the factory air box using the torx bit.

Step 8: Install the MAF sensor to the aFe intake tube with the M4 slotted screws.

Step 9: Install the 3 inch hump coupling with provided clamps at the throttle body side of the aFe intake tube. (Do not tighten the clamps).



Figure C

Refer to Figure C for Steps 10-13

Step 10: Assemble the aFe housing by installing the filter adaptor with the M6 screws.

Step 11: Install the angle coupling and clamps on the adaptor side tube.

Step 12: Install the trim seal at the edges of the aFe housing.

Step 13: Install the filter with the provided clamp.



Figure D

Refer to Figure D for Steps 14-15

Step 14: Install the aFe assembled housing on the vehicle and make sure to tab the clips back on. ⑤

Step 15: Install the provided hoses to replace the factory vacuum lines. ⑥



Figure E

Refer to Figure E for steps 16-19

- Step 16: Install the aFe intake tube on the vehicle. (Throttle body side first).
- Step 17: Connect the vacuum lines on aFe intake tube.
- Step 18: Re-connect the MAF sensor harness.
- Step 19: Adjust intake tube, then tighten all clamps.

Installation is now complete.

Check and retighten all clamps after approximately 150 miles.



Pro DRY S Air Filter



P/N: 21-91040

Pro 5R Air Filter



P/N: 24-91040

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Blue Aerosol Restore Kit



P/N: 90-50001

Throttle Body Spacer



P/N: 46-33017

Intake System Cover



P/N: 54-12068

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 nontransferable.
- 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	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.