

**advanced FLOW engineering**

**Instruction Manual** P/N: 51/54-12113-B & 51/54-12113-P  
51/54-12112-P & 51/54-12112-B

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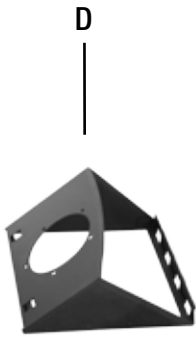
Make: **FORD** Model: **F-150** Year: **2011-2014** Engine: **V6-3.5L (tt) EcoBoost**



- 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)	21-91040 (51-12112-X) / 51-12113-x
A2	1	Air Filter (Pro-5R)	24-91040 (54-12112-X) / 51-12113-x
B	1	Tube	05-121112-P1/ 05-12113P1
C	1	Tube	05-12113B1 / 05-12112B1
D	1	Housing	05-01024
E	1	Seal Trim 7/16" (24.5 inches)	05-00072
F	1	Screw Hex	03-50052 (2012-2014 Only XX-12112-X)
G	5	Screw	03-50102
H	1	Adaptor 5.5"	05-00611
I	1	Coupling, Elbow (4"x 3-1/2")	05-00464
J	1	Coupling Reducer (3-1/4"x 3")	05-00636
K	1	Clamp, 064 (2-1/2"-4-1/2")	03-50006
L	3	Clamp, 056 (3-1/16"-4")	03-50009
M	1	Clamp, 072 (3"-5")	03-50010
N	1	Clamp, 052 (2-13/16"-3-3/4")	03-50008
O	1	Coupling Reducer (3.90" x 3-1/2")	05-01224
P	2	Screw, Slotted M4	03-50034 (2011 Only XX-12113-X)
Q	1	T-20 Torx	03-50066
R	1	Cap, Polyethylene: 3/8" OD	03-50119

Tools needed: 8mm Nut Driver, 10mm Nut Driver, 5/32" Hex Key, 5/32" 6-point socket





**Refer to Figure A for Steps 1-3**

Step 1: Disconnect the Manifold Air Pressure (MAP) sensor plug from stock air box (1).

Step 2: Loosen the driver and passenger intake clamps (2).

Step 3: Unclip the 3 housing clips that secure the top portion of the stock intake housing (3).

**NOTE:** For 2011 model years unplug the vacuum line from the underside of the OE intake tube (X).



Figure B

**Refer to Figure B for Steps 4-5**

Step 4: Remove the stock intake tube by prying the passenger and driver side intakes first then remove the top portion of the housing.

Step 5: Remove the stock filter from lower portion of the housing.

DO NOT DISCARD YOUR ORIGINAL COMPONENTS





Figure C

**Refer to Figure C for Steps 6-9**

- Step 6: Install the 3-angle adaptor onto the aFe housing using the five (5) button head screws provided with a 5/32 hex key.
- Step 7: Install the elbow coupling onto the 3-angle adaptor using provided clamps. (Do not tighten).
- Step 8: Install the seal trim around the edges of the housing.
- Step 9: Install the filter.



Figure D

**Refer to Figure D for Steps 10-12**

- Step 10: Install the aFe housing on top of the lower portion of the OE housing. Clamp down using factory clips (4).
- Step 11: Install the larger reduction coupling (05-01224) on the driver side runner. Clamp down but do not tighten (5).
- Step 12: Install the smaller reduction coupling (05-00636) on the passenger side runner. Clamp down but do not tighten (6).

**Figure E****Refer to Figure E for Steps 12-13**

Step 12: Remove the MAP sensor from the stock air box using 5/32" 6-point socket (7).

Step 13: Install the map sensor onto the aFe intake tube using the hex head screw provided with a 10mm socket (8).

**NOTE:** For 2011 install MAP sensor on the aFe tube using the two slotted M4 screws.





Figure F

### **Refer to Figure F for Steps 14-18**

- Step 14: Install the aFe intake tube passenger side runner first and then the driver side runner, followed by inserting the tube onto the adaptor coupling elbow.
- Step 16: Adjust the couplings and the tube for proper alignment and then tighten all clamps (9).
- Step 17: For 2011 model year, reconnect the vacuum line to the aFe intake tube (X).
- Step 18: Reconnect the MAP sensor plug (10).
- Step 19: The installation is now complete!

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

**Place enclosed CARB EO sticker on or near device on a smooth, clean surface.  
EO identification label is required to pass the smog inspection.**



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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

Oil Filter



P/N: 44-LF025

Magnum Force Intake



P/N: 54-12193

Differential Cover



P/N: 46-70152

Cat-Back Exhaust System



P/N: 49-43038-B

Intake System Cover



P/N: 54-12068

SCORCHER Module



P/N: 77-43005

Intercooler Tube



P/N: 46-20129

To purchase any of the items above, view airflow charts, dyno graphs, photos, and video; please go to [aFepower.com](http://aFepower.com).

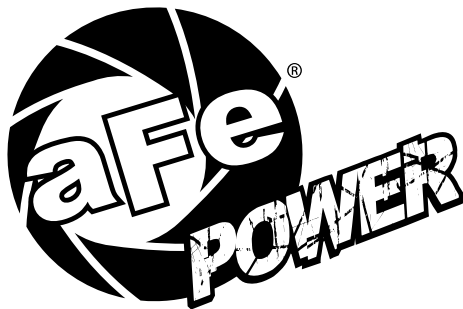
# Warranty

## 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 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"), email [RGA@afepower.com](mailto: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.

<b>Product Category</b>	<b>P/N Prefix</b>	<b>Warranty duration</b>
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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