

## advanced FLOW engineering

### Instruction Manual P/N: 54-12842 / 51-12842

Make: **Ford** Model: **Edge** Year: **2011-2014** Engine: **V6-3.5L (Non-EcoBoost)**

Make: **Ford** Model: **Explorer** Year: **2011-2017** Engine: **V6-3.5L (Non-EcoBoost)**

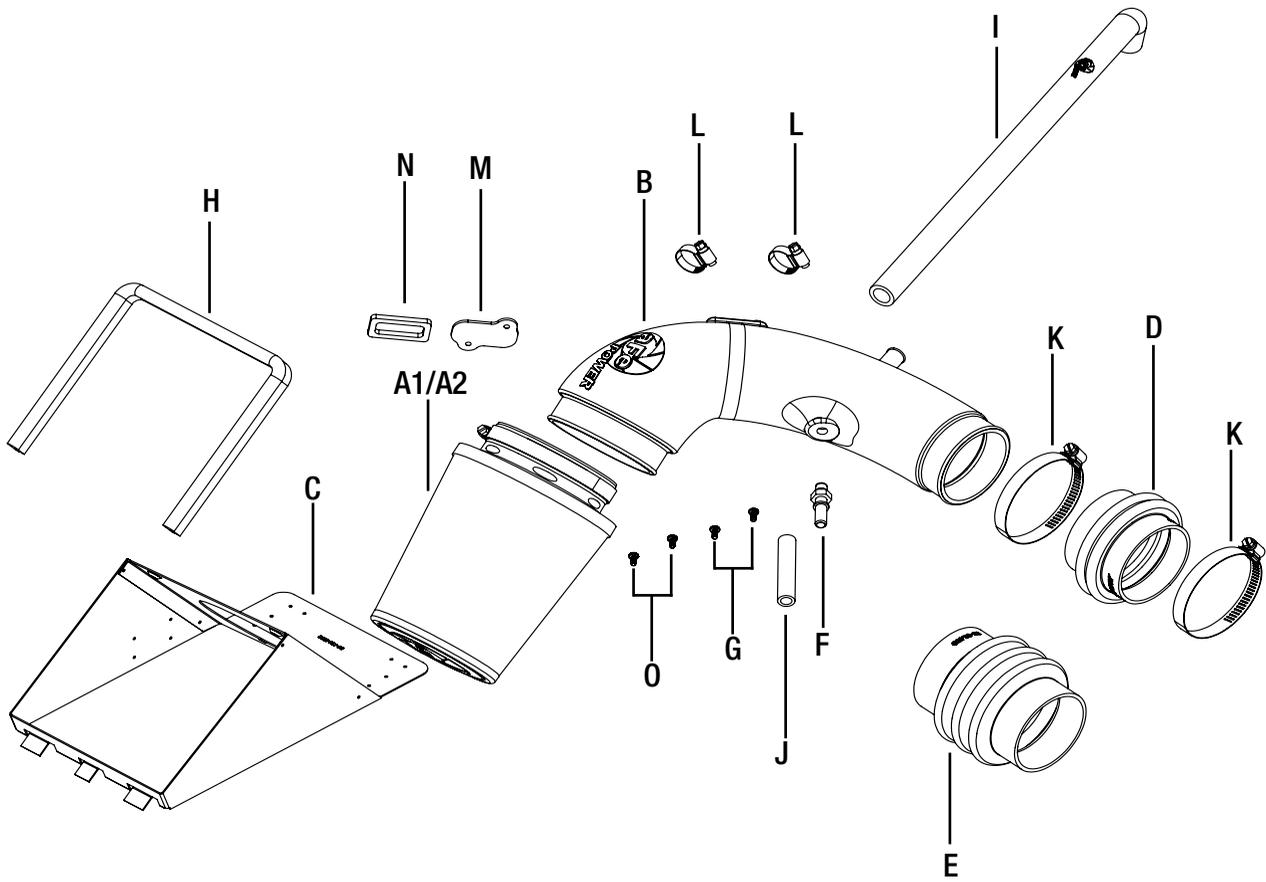


- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine 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 5R)	24-90095
A2	1	Air Filter (Pro DRY S)	21-90095
B	1	Tube	05-12842B1
C	1	Housing	05-12842B2
D	1	Coupling, Silicone Reducer	05-01400
E	1	Coupling, Silicone Bellow	05-01409
F	1	Fitting, Vent (Small)	05-01338
G	2	Screw, Torx: M4	03-50491
H	1	Seal, Trim: 7/16" Bulb (21" inches)	05-00072
I	1	Hose, Vacuum Silicone: 5/8"	05-01208
J	1	Hose, Fuel: 3/8" (3" inches)	05-00110
K	2	Clamp, #052	03-50008
L	2	Clamp, Mini #012	03-50023
M	1	Block Off Plate, Sensor	05-01372
N	1	Gasket, MAS	05-00631
O	2	Screw, Flat Hd Socket Cap: M4	03-50455

Installation will require the following tools:  
Torx T20, 8mm Nut Driver, Flat Head Screwdriver and 14mm socket.

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.





**Refer to Figure A for Steps 1-5**

- Step 1: Disconnect the MAF harness from the sensor (1).
- Step 2: Unclip the top half of the OE airbox from the bottom half (2).
- Step 3: Disconnect the vacuum line (3) and the crankcase line (4) from the factory intake tube.
- Step 4: Loosen the clamp at the throttle body (5).
- Step 5: Carefully, remove the OE intake from the engine bay.



Figure B

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

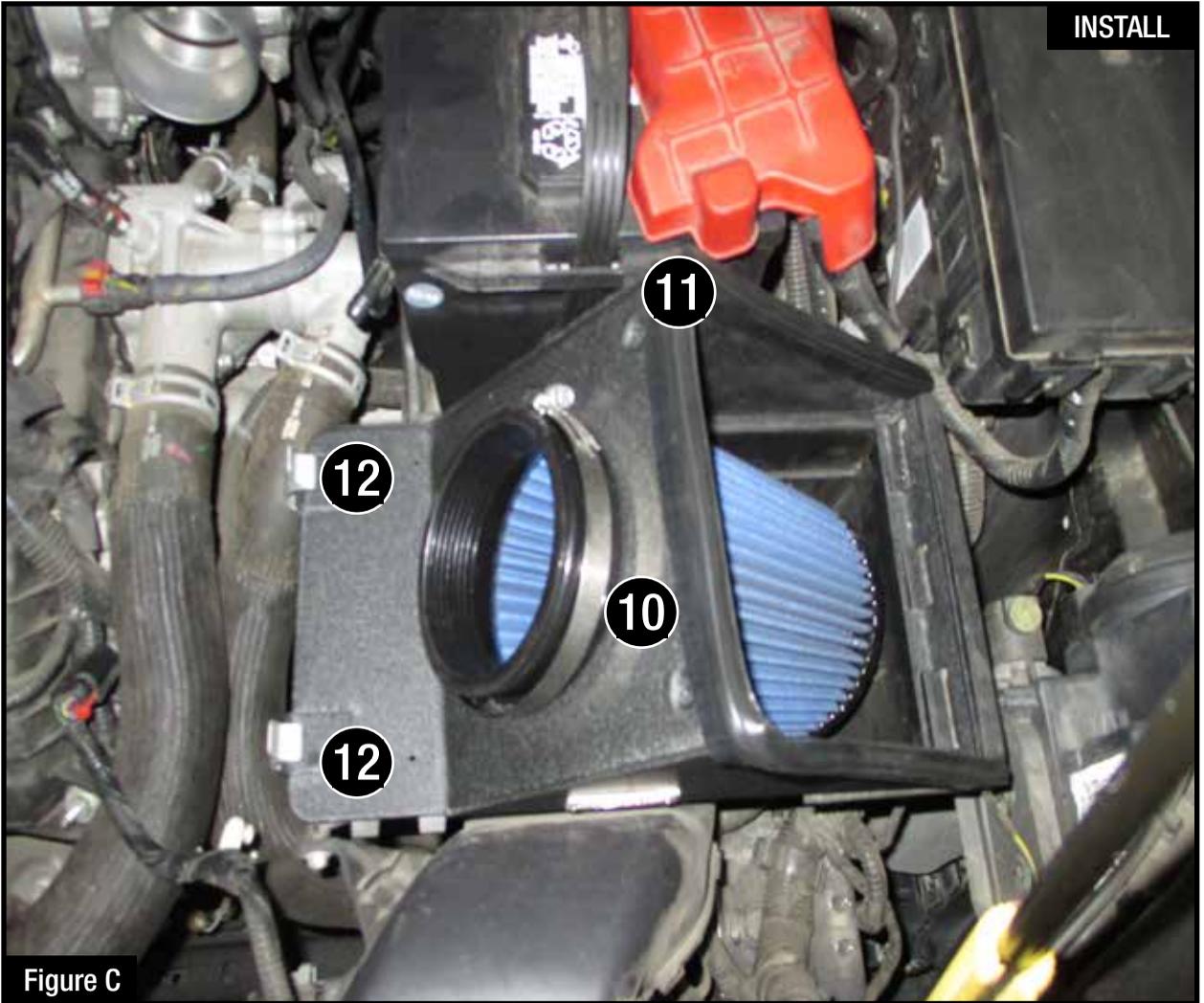
Step 6: Remove the MAF sensor from the OE tube.

Step 7: Install the aluminum fitting. Be careful not to over tighten. (7) Then install MAF sensor to the aFe tube using the supplied torx screws (6).

**NOTE: For vehicles without a MAF sensor, use the supplied block off plate, gasket and flat head screws.**

Step 8: For Ford Edge, use the smaller two hump coupling with the supplied clamps. (Do not tighten clamps) (8).

Step 9: For Ford Explorer, use the larger three hump coupling with the supplied clamps. (Do not tighten clamps) (9).

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

Step 10: Install the aFe air filter into the aFe housing. (10)

Step 11: Install the seal trim along the top edges of the aFe housing (11).

Step 12: Mount the assembled housing and air filter to the bottom half of the OE airbox. Make sure to latch the OE clips to the aFe housing (12).



**Refer to Figure D for Steps 13-15**

- Step 13: Remove the engine cover by detaching the two plastics posts (13), and 8 mm nut (14). Do not discard this hardware.
- Step 14: Detach and remove the OE crankcase vent hose.
- Step 15: Install the supplied hose with one of the supplied mini clamps (15), in the orientation as shown. Do not tighten clamp at this time.

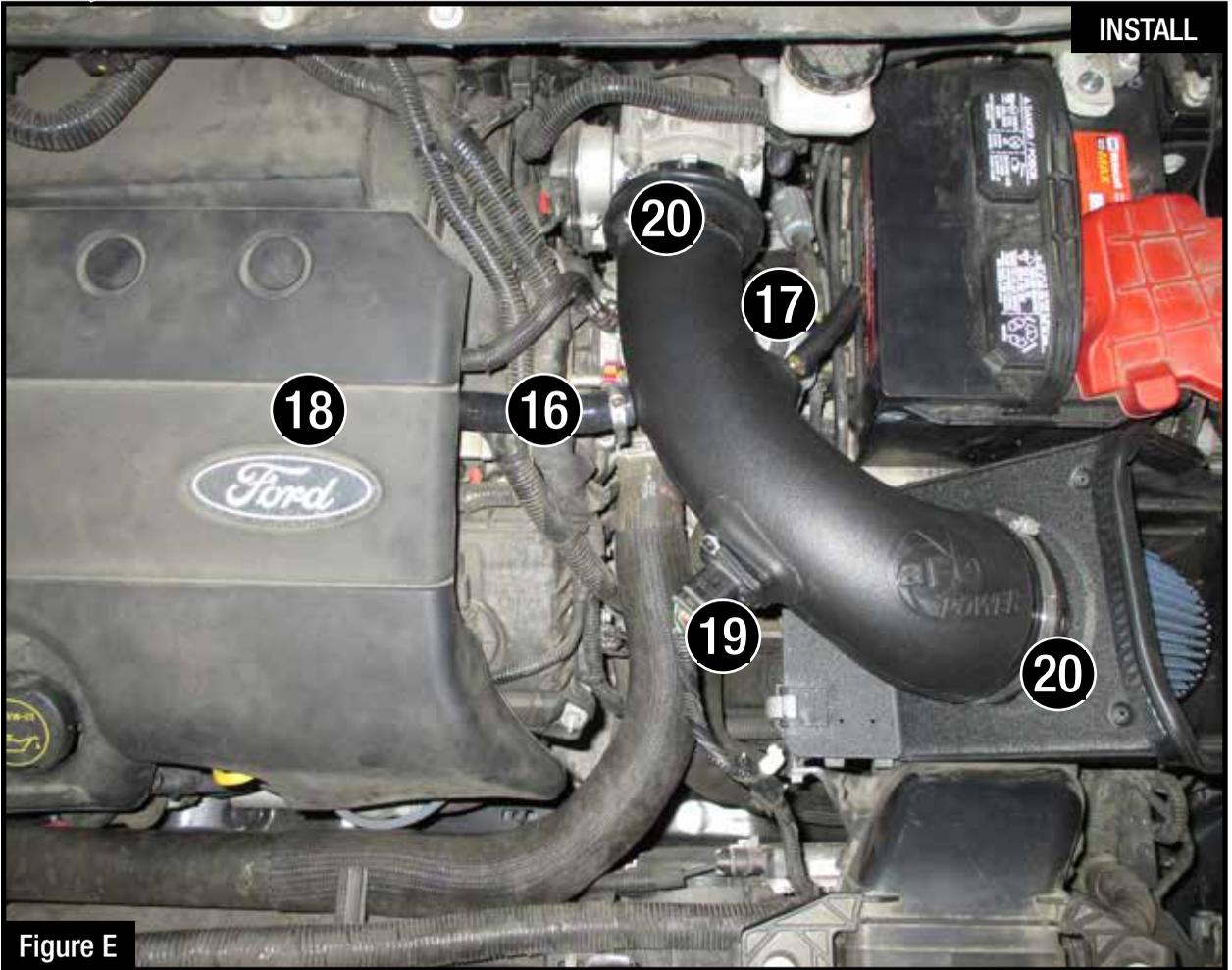


Figure E

**Refer to Figure E for Steps 16-22**

- Step 16: Install the assembled aFe tube, air filter side first. Then connect at the throttle body.
- Step 17: Connect the crankcase vent hose with the second supplied mini clamp (16).
- Step 18: Adjust the crankcase vent hose, then tighten the mini clamps.
- Step 19: Connect the vacuum hose (17). Install the shorter supplied hose to the OE vacuum hose, then attach to the aFe intake tube.
- Step 20: Re-install the engine cover using the OE plastic posts and 8 mm nut, removed in Step 13 (18).
- Step 21: Reconnect the MAF harness to the sensor (19).
- Step 22: Adjust the intake tube to sit comfortably, and tighten all clamps (20). Your installation is now complete.

**NOTE: Check all bolts, clamps, and connectors after 200 miles.**

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Pro DRY S Air Filter



P/N: 21-90095

Pro 5R Air Filter



P/N: 24-90095

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

Intake System Cover



P/N: 54-12848-B

Oil Filter



P/N: 44-LF025

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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