



advanced FLOW engineering Stage-2 Air Intake

Instruction Manual P/N: 51/54-11972-1B/1P & 51/54-11973-B/P

Make: **Ford** Model: **F-250/F-350** Year: **2011-2016** Engine: **V8-6.2L**



- 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
A2	1	Air Filter (Pro 5R)	24-91040
B	1	Housing	05-01024
C1	1	Tube	05-11973B1 (Black)
C2	1	Tube	05-11973P1 (Polished)
D	1	Seal Trim: (23" in.)	05-00072
E	1	Adaptor	05-00611
F	1	Elbow Coupling	05-00464
G	1	Hump Coupling	05-00565
H	1	5/8" Fuel Hose: (18" in.)	05-00069
I	1	3/8" Fuel Hose: (24" in.)	05-00110
J	3	Clamp #56	03-50009
K	1	Clamp #64	03-50006
L	5	Button Head Screw	03-50102
M	2	Chs Hd Slotted Screws: M4	03-50034
N	2	Washer, Fender: 1/4"	03-50074
O	1	Locknut, Nylon Insert: 1/4-20	03-50073
P	1	Screw, Hex Hd: 1/4-20	03-50072
Q	1	Torx Bit: T20	03-50066
R	1	Cap: 3/8"	03-50119
S	1	Spacer, Nylon 1/2"	03-50120
T	1	Clamp - Mini, #006	03-50025

Installation will require the following tools:

Flat head screw driver, Phillips screw driver, 8mm socket, 10mm socket, Ratchet, 5/16 nut driver & 4mm hex key wrench.



**Figure A****Refer to Figure A**

- Step 1: Disconnect the wiring harness from the MAF sensor ①.
- Step 2: Loosen the clamp securing the intake tube to the plenum ②.
- Step 3: Disconnect the crankcase vent tubes from the intake tube ③.
- Step 4: Unclip the upper airbox from the lower airbox ④.
- Step 5: Remove the intake tube, upper airbox and air filter ⑤.

**Figure C****Refer to Figure C**

Step 9: Attach the filter adaptor to the air filter housing using the supplied button head Screws.

Step 10: Install the aFe air filter and clamp onto the filter adaptor and tighten.

Step 11: Install elbow coupler and clamps and onto the filter adaptor. (do not tighten)

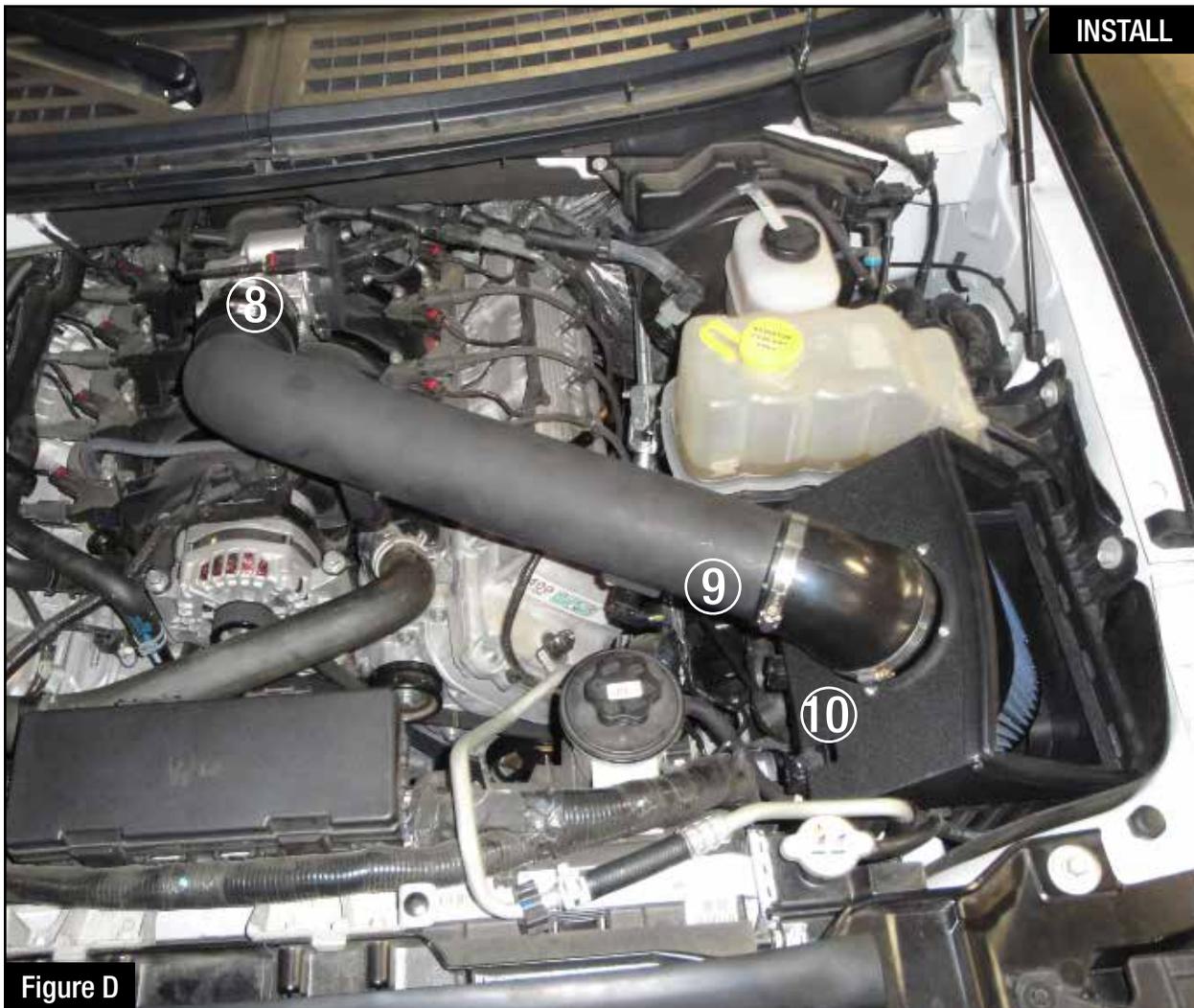


Figure D

Refer to Figure D

Step 12: Install the Hump coupling and clamps on the throttle body (8).

Step 13: Remove the MAF sensor from the stock intake tube and install on the aFe intake tube using the aFe slotted M4 screws (9).

Step 14: Install the air filter housing assembly in the lower airbox and secure using the stock front and rear clips only (10).

Step 15: Install the aFe intake tube in the elbow coupler first followed by the throttle body coupler.



Figure E

Refer to Figure E

Step 16: Fine tune the alignment of the intake tube by rotating both the intake tube and elbow coupler and tighten the clamps.

Step 17: Secure the intake tube using the hex 1/4-20 screw, washers, spacer and lock nut (11).

**Note: The bracket has dual mounting positions for different years.
Use the location that fits best, and add spacer if needed.**



Figure F

Refer to Figure F

Step 18: Replace the stock crankcase vent tubes with the supplied hoses. If necessary, use mini-hose clamp on valve cover vent fitting.

Note: Some models are not equipped with a 3/8" vacuum line. Use the provided cap to block off the unused vent on the aFe intake tube ⑫ .



Figure G

Refer to Figure G

Step 19: Connect the wiring harness to the MAF sensor ⑬.

Step 20: Tighten air filter with a nut driver. Be sure not to over tighten or you can damage the filter base. Installation is now complete.

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

Do not discard original intake parts.

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Pro DRY S Air Filter



P/N: 21-91040

Pro 5R Air Filter



P/N: 24-91040

Pre-Filter



P/N: 28-10133

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 Cover



P/N: 54-12068

Throttle Body Spacer



P/N: 46-33011

Transmission Pan



P/N: 46-70182

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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