



advanced FLOW engineering Stage-2 Air Intake
Instruction Manual P/N: 51-12742 / 54-12742

Make: **Ford** Model: **F-150** Year: **2015-2017** Engine: **V8-5.0L**
(CARB exempt 15-16 under D-550-28 only)



- 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 (Grey Media)
A2	1	Air Filter (Pro-5R)	24-91040 (Blue Media)
B	1	Tube	05-12742B1
C	1	Housing	05-12742B2
D	1	Seal Trim 7/16" (23 inches)	05-00072
E	1	Adaptor, Filter	05-00611
F	2	Clamp, 060 (3-5/16"- 4-1/4")	03-50002
G	1	Clamp, 064 (2-1/2"- 4-1/2")	03-50006
H	1	Clamp, 056 (3-1/16"- 4")	03-50009
I	1	Coupling Hump (3-1/2"ID x 3"L)	05-01264
J	1	Coupling Elbow (4.15"x3.5"x49 Deg.)	05-01353
K	5	Screw, M6 Button Head Socket	03-50102
L	1	Cover, Black (Optional)	05-12748B1 / 54-12748-B

Tools needed: 8mm Nut Driver, 10mm wrench or deep socket, 4mm Hex key (allen).





Figure A

Refer to Figure A for Steps 1-2

Step 1: Disconnect both vent lines going into the OE intake tube.

Step 2: Loosen the screw clamps from OE intake tube to throttle body and to upper air filter housing.



Figure B

Refer to Figure B for Steps 3-4

Step 3: Remove OE intake tube.

Step 4: Unclip upper air filter housing and remove upper housing and air filter.



Figure C

Refer to Figure C for Step 5

Step 5: Assemble the aFe housing by installing the filter adaptor with the 5 M6 button head screws.



Figure D

Refer to Figure D for Step 6

Step 6: Install the trim seal at the edges of the aFe housing. Trim any excess as needed.



Figure E

Refer to Figure E for Step 7

Step 7: Install the aFe filter with the provided clamp.



Figure F

Refer to Figure F for Step 8

Step 8: Install the angle coupling and clamps on the filter adaptor. Do not fully tighten. This will allow for final adjustment.

**Figure G****Refer to Figure G for Steps 9-13**

Step 9: : Install the aFe assembled housing on the vehicle and make sure the clips are secured.

Step 10: Place supplied hump coupling onto the throttle body with clamps.

Step 11: Install the aFe intake tube on the vehicle.

Step 12: Connect the vent lines onto the aFe intake tube.

Step 13: Adjust intake tube and tighten all clamps.



Figure H

Refer to Figure H for Step 14

Step 14: Installation is now complete.

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

Place the included CARB EO sticker on or near the device on a smooth, clean surface.

EO identification 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

Cat-Back Exhaust System



P/N: 49-43074-P (Pol. Tips)
49-43074-B (Blk. Tips)

SCORCHER PRO Tune



P/N: 77-33010

Headers & Y-Pipe



P/N: 48-43015-YC (Street)
48-43015-YN (Race)

Throttle Body Spacer



P/N: 46-33010

Intake Cover



P/N: 54-12748-B

SPRINT BOOSTER V3



P/N: 77-13001

Rear Differential Cover



P/N: 46-70152-WL (w/ Oil)

Side Exit Exhaust System



P/N: 49-43081-B (Blk. Tips)
49-43081-P (Pol. Tips)

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 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 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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