



advanced FLOW engineering

Instruction Manual P/N: 51-11872-1 / 54-11872-1 / 75-11872-1

Make: **Ford** Model: **Super Duty F-250/350/450** Year: **2011-2016** Engine: **V8-6.7L (td) Power Stroke**



- 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 both negative battery terminals before proceeding. (REMEMBER YOU HAVE 2 BATTERIES)
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro DRY S)	21-91051
A2	1	Air Filter (Pro 5R)	24-91051
A3	1	Air Filter (Pro-GUARD 7)	72-91051
B	1	Housing	05-01132
C	1	Tube	05-01135
D	1	Seal Trim (32" in.)	05-00007
E	1	Coupling, Turbo Adaptor	05-01137
F	1	Coupling, Silicone Hump	05-01201
G	2	Clamp #072	03-50010
H	1	Clamp #088	03-50005
I	1	MAS Gasket	05-00631
J	1	Adaptor	05-00611
K	5	Screw, Hex Hd: M6x1x12	03-50032
L	5	Washers, Wavy: M6	03-50058
M	2	Nylon Spacer	03-50089
N	2	Screw, Torx: M4	03-50491
O	1	Torx, Bit: T20	03-50066
P	1	Tie, Nylon, Black (12" in.)	05-60167
Q	1	Clamp, Fixing 3/4" ID	03-50234
R	1	Washer, Flat: M6	03-50070
S	1	Screw, Hex Hd: M6x1x20	03-50057

Installation will require the following tools:

10mm Socket, 13mm Socket, 8mm Socket, Ratchet, Extension & Flat-Head Screw Driver




Figure A
Refer to Figure A for step 1

Step 1: Take off the (2) 8mm screws securing the OE intake tube and filter box (1) and loosen the band clamps. Note: On 2015 models cut the plastic tie holding this coolant tube (2).



Figure B

Refer to Figure B for steps 2-3

Step 2: Disconnect the wire harness clip from the filter housing and pull the red tab out on the flow sensor connector, then press the tab and pull off the sensor plug. Remove the flow sensor off the tube with the provided T-20 torx bit (3).

Step 3: Pull out the air box in an upward motion.



Figure C

Refer to Figure C for step 4

Step 4: Slip all the hoses out of the way on the OE intake tube, loosen the clamps, and remove the tube.



Figure D

Refer to Figure D for steps 5-6

Step 5: Install the sensor onto the new intake tube with the provided nylon spacers, gasket and small screws (4). Also place the largest clamp on the big oval end of the tube. Add the hump coupler with clamps onto the small end of the tube and slide until flush with tube.

Step 6: Install the seal trim on the top edge of the housing and install the Injection molded adaptor with the provided hex screws and wavy washers (5).



Figure E

Refer to Figure E for steps 7-8

Step 7: Install the adaptor coupling onto the engine with the radius edge outward (6).

Step 8: Install tube onto engine manifold over the adaptor coupling. Do not tighten clamps at this time.



Figure F

Refer to Figure F for steps 9-11

Step 9: Install the housing, take off the 10mm (7) upper radiator mount screw and 13mm screw as shown (8). Install the housing

(align the OE rubber grommet and metal tube together at the bottom) and reuse the 10mm upper radiator mount screw and the 13mm screw. Also reinstall the 8mm screw near the positive battery cable.

Step 10: Slide the hump coupler back onto the injection molded adaptor and align tube clamps then tighten all clamps. Keep the big oval end of the tube over the adaptor coupling and tighten.

Place the pre-filter (optional) over the air filter and install the air filter and tighten.

Step 11: Reconnect batteries.



Figure E

Refer to Figure E for steps 12-14

Step 7: Make sure the coolant tube snaps into the hook recess molded into tube. It may be necessary to file or trim the plastic slightly to fit (9).

Step 8: Secure the coolant tube with a new nylon tie provided (10).

Step 9: Check that all components are tight and secure. Your 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 test inspection.

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Pro DRY S Air Filter



P/N: 21-91051

Pro 5R Air Filter



P/N: 24-91051

Pro GUARD 7 Air Filter



P/N: 72-91051

Pre-Filters



P/N: 28-10303

Pro DRY S Restore Kit



P/N: 90-59999

Blue Squeeze Restore Kit



P/N: 90-50501

Gold Squeeze Restore Kit



P/N: 90-50500

SCORCHER HD Module



P/N: 77-43014

SCORCHER HD Module



P/N: 77-43014

Intercooler Tubes



P/N: 46-20144-B

D/P Back Exhaust System



P/N: 49-43066-B (Blk Tips)
49-43066-P (Pol Tips)

Rear Differential Cover



P/N: 46-70022-WL (w/ Oil)
46-70020 (RAW)

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,TF	2 years
Air Intake Systems	50, 51, 54, 55, 75,TR,TA,TL	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
Turbochargers	46-6	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.

*See turbocharger warranty for more info



advanced FLOW engineering, inc.

252 Granite Street Corona, CA 92879

TEL: 951.493.7100 • TECH: 951.493.7100 x23

E-Mail: Tech@aFepower.com