



advanced FLOW engineering

Instruction Manual P/N: 46-20318-B

Make: **Ford** Model: **Super Duty F-250/F-350** Year: **2017** 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 the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A	1	Tube, Hot Side	05-60804B
B	1	Coupling, Silicone Hump	05-60620
C	1	O-Ring	05-60615
D	2	Clamp, Spring Loaded T-Bolt : 3.25"	03-50530
E	1	Plug, Hex Hd Socket: 1/8" NPT	03-50029

Tools Needed: (x2) Long screwdrivers, extension, ratchet, 7mm socket, 11mm socket 3/16" allen wrench, grease and thread sealant.

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.




Figure A

Refer to Figure A for Steps 1-3

Step 1: Park vehicle on level ground and engage the parking brake.

Step 2: Open the hood and disconnect the negative battery cable from both batteries.

Step 3: Locate the hot side intercooler tube, it will be the metal tube on the driver side.



Figure B

Refer to Figure B for Steps 4-7

- Step 4: Loosen the clamp securing the coupling onto the intercooler using a 7mm socket.
- Step 5: Disconnect the coupling from the intercooler.
- Step 6: Lift both sides of the retaining clip that secures the intercooler tube to the turbo using two flat head screwdrivers.
- Step 7: Remove the intercooler tube from the vehicle.

**Figure C****Refer to Figure C for Steps 8-10**

Step 8: Stand the factory intercooler tube up on the end with the metal adapter.

Step 9: The plastic clip will need to be removed from the intercooler tube by tapping it downwards with a screw driver on each side.

Step 10: Once the plastic clip is removed you can now remove the metal retaining clip for reuse with the aFe intercooler tube.



Figure D

Refer to Figure D for Steps 11-15

Step 11: Now you can start the assembly of the aFe intercooler tube.

Step 12: If you are not using any aftermarket sensors, install the 1/8" plug into the aFe intercooler tube using a 3/16" Allen wrench.

NOTE: Be sure to use thread sealant on the plug to prevent any leaking.

Step 13: Install the supplied O-ring into the groove on the inside of the adapter on the aFe intercooler tube.

NOTE: Be sure to lubricate the O-ring with grease to prevent it from tearing during install.

Step 14: Install the factory retaining clip into the slotted adapter on the aFe intercooler tube with the opening facing downwards.

Step 15: Install one of the clamps and the hump coupling onto the intercooler tube then slide the coupling back to the bend.



Figure E

Refer to Figure E for Steps 16-19

Step 16: Install the remaining clamp onto the intercooler inlet.

Step 17: Install the hot side tube into the vehicle, first connect the aFe intercooler tube to the turbo and make sure the retaining clip snaps into place.

Step 18: Now you can slide the coupling onto the intercooler and make sure the bead on the inside of the coupling sits into the groove on the intercooler tube.

Step 19: Rotate the clamps into place and tighten them using a 11mm socket. Install is now complete!

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SCORCHER HD Module



P/N: 77-43020

Momentum HD Intake



P/N: 50-73006 (P10R)
51-73006 (PDS)

Dynamic Air Scoop



P/N: 54-73006-S

OE Replacement Filter



P/N: 10-10139 (P5R)
11-10139 (PDS)
71-10139 (PG7)

Sprint Booster V3



P/N: 77-13001

Cold-Side Inrcooler Tube



P/N: 46-20319-B

Rear Differential Cover



P/N: 46-70022 (Blk./Mach.)
46-7020 (RAW)

5" DPF-Back Exhaust



P/N: 49-03090-B (Blk Tip)
49-03090-P (Pol Tip)

5" DP-Back Exhaust



P/N: 49-03093

Fuel Filter



P/N: 44-FF014

Oil Filter



P/N: 44-LF024

Transmission Pan



P/N: 46-70180 (RAW)
46-70182 (Blk./Mach)

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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