



**advanced FLOW engineering**

**Instruction Manual** P/N: 46-20318-B

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Make: **Ford** Model: **F-250/F-350 Super Duty** Year: **2017-2021** 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.

Warranty Information available at: <https://afepower.com/contact#warranty>

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 1-3**

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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