



advanced FLOW engineering BladeRunner – Hot Side Charge Pipe Kit

Instruction Manual P/N: 46-20738-B

Make: **Ford**
Make: **Ford**

Model: **F-250**
Model: **F-350**

Year: **2023-2024**
Year: **2023-2024**

Engine: **V8-6.7L (td)**
Engine: **V8-6.7L (td)**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

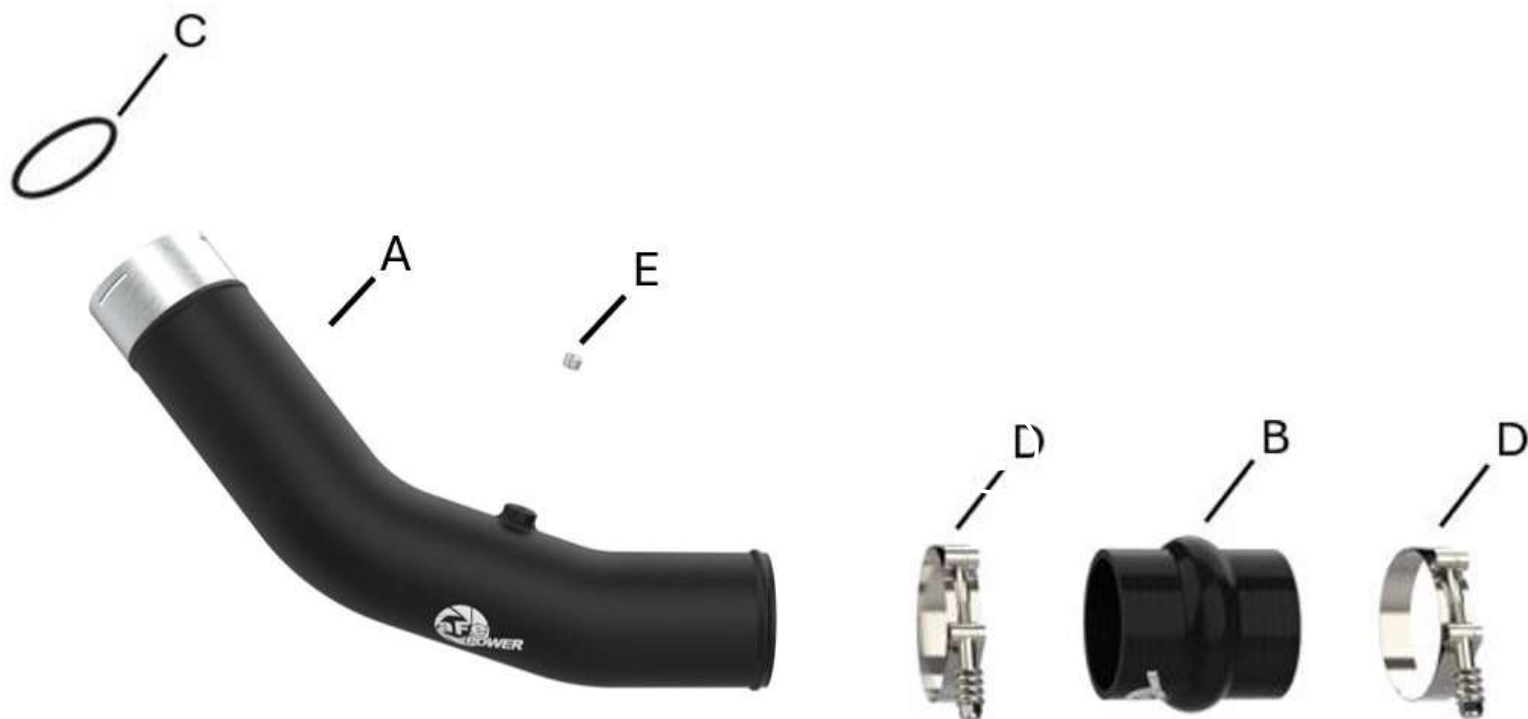
Label	Qty.	UoM	Description	Part Number
A	1	Ea.	Tube, Hot Side: 46-20738-B	05-61512B
B	1	Ea.	Coupling, Silicone Hump: 3"ID x 4"L	05-60012
C	1	Ea.	O-Ring, 60mm ID x 4mm W	05-60615
D	2	Ea.	Clamp, Spring Loaded T-Bolt: (3.25" - 3.50") (ss)	03-50530
E	1	Ea.	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029

Installation will require the following tools:

7mm, 10mm, 11mm sockets , 4mm allen, 3/16" allen, extensions, ratchet, flat screwdriver, pick, teflon tape, grease.

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

Emissions Disclaimer: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.





Refer to Figure A for Steps 1-3

Step 1: Disconnect the negative battery cables

Step 2: Loosen the clamp securing the hot side charge pipe onto the intercooler inlet (1)

Step 3: Expand the retaining clip securing the hot side charge pipe onto the turbo outlet, then remove the factory hot side charge pipe from the vehicle (2)



Figure B

Refer to Figure B for Steps 4-6

Step 4: The plastic retainer will need to be removed from the charge pipe by standing it up on the end with the metal adaptor and tapping it down on either side of the plastic retainer ③

Step 5: Remove the metal retaining clip from the factory hot side charge pipe, then install it onto the aFe POWER hot side charge pipe ④

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

Step 6: Install the 60mm ID x 4mm W O-ring into the groove on the inside of the aFe POWER hot side charge pipe ⑤


Figure C

Refer to Figure C for Steps 7-8

Note: Be sure to use thread sealant on the plug or sensor to prevent any leaking

Step 7: If you are not using any aftermarket sensors, install the supplied 1/8" NPT plug into the threaded fitting on the aFe POWER hot side charge pipe ⑥

Step 8: Install the supplied aFe POWER silicone hump coupling, 3"ID x 4"L, with one supplied 3.25" spring loaded spring loaded T-Bolt clamp onto the aFe POWER hot side charge pipe ⑦ do not tighten the clamp yet.

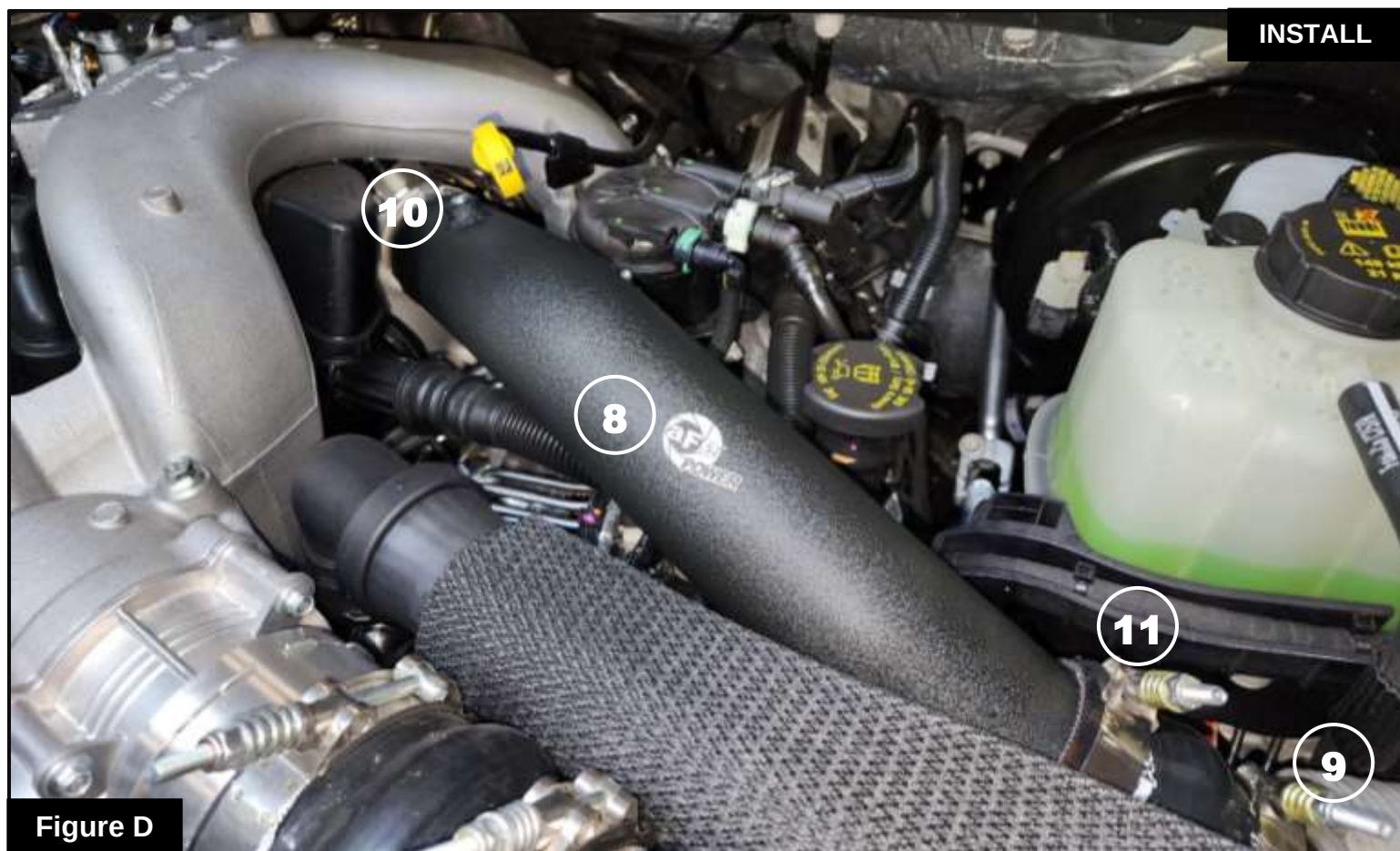


Figure D

Refer to Figure D for Steps 9-13

Note: Be sure to thoroughly clean all oil residue off of the connections before installing any of the aFe couplings onto the vehicle.

Step 9: Place one 3.25" spring loaded T-Bolt clamp onto intercooler inlet, then install the aFe POWER hot side charge pipe into the vehicle starting at the turbo outlet, but do not allow the retaining clip to snap into place (8)

Step 10: Install the coupler onto the intercooler inlet and tighten the clamp to the intercooler (9)

Step 11: Slide the aFe POWER hot side charge pipe onto the turbo outlet (10) and ensure the retaining clip snaps into place all the way around, then tighten the clamp. Torque all spring-loaded T-Bolt clamps to 10 Ft-lbs or until spring is completely collapsed (11)

Step 12: Reconnect the negative battery cables.

Step 13: Install is now complete.

NOTE: Check all clamps, and connectors are secure after 100-200 miles



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