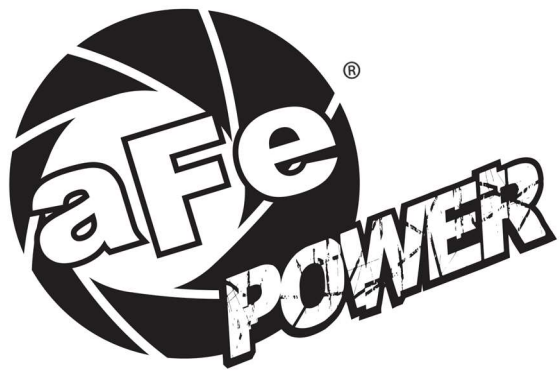




advanced FLOW engineering BladeRunner – Cold Side Charge Pipe Kit

Instruction Manual P/N: 46-20659-R

Make: Ford	Model: Explorer ST	Year: 20-24	Engine: V6-3.0L (tt)
Make: Ford	Model: Explorer	Year: 20-24	Engine: V6-3.0L (tt)
Make: Lincon	Model: Aviator	Year: 20-24	Engine: V6-3.0L (tt)



- 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.

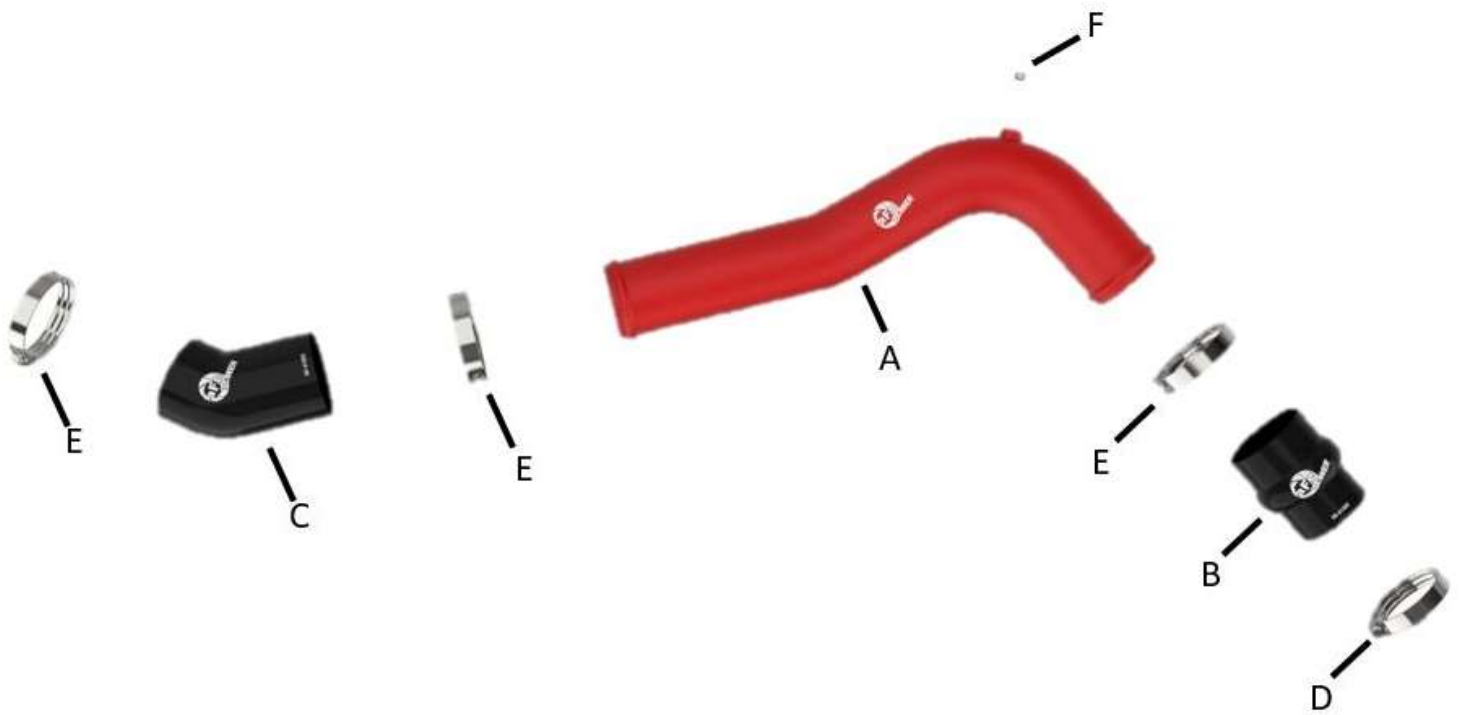
Label	Qty.	UoM	Description	Part Number
A	1	Ea.	Tube, Cold Side: 46-20659-R	05-61317R
B	1	Ea.	Coupling, Silicone Reducer: 2.75" x 2.50" x 4"L	05-61320
C	1	Ea.	Coupling, Silicone Elbow: 2.75" x 38.5 Deg	05-61323
D	1	Ea.	Clamp, SmartSeal, 044 (2.50" – 3.06")	03-50656
E	3	Ea.	Clamp, SmartSeal, 052 (2.88" – 3.56")	03-50786
F	1	Ea.	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029

Installation will require the following tools:

7mm, 8mm, 10mm, 13mm sockets , 5mm allen, 3/16" allen, extensions, ratchet, plastic pannel popper, flat screwdriver, pick, teflon tape.

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.



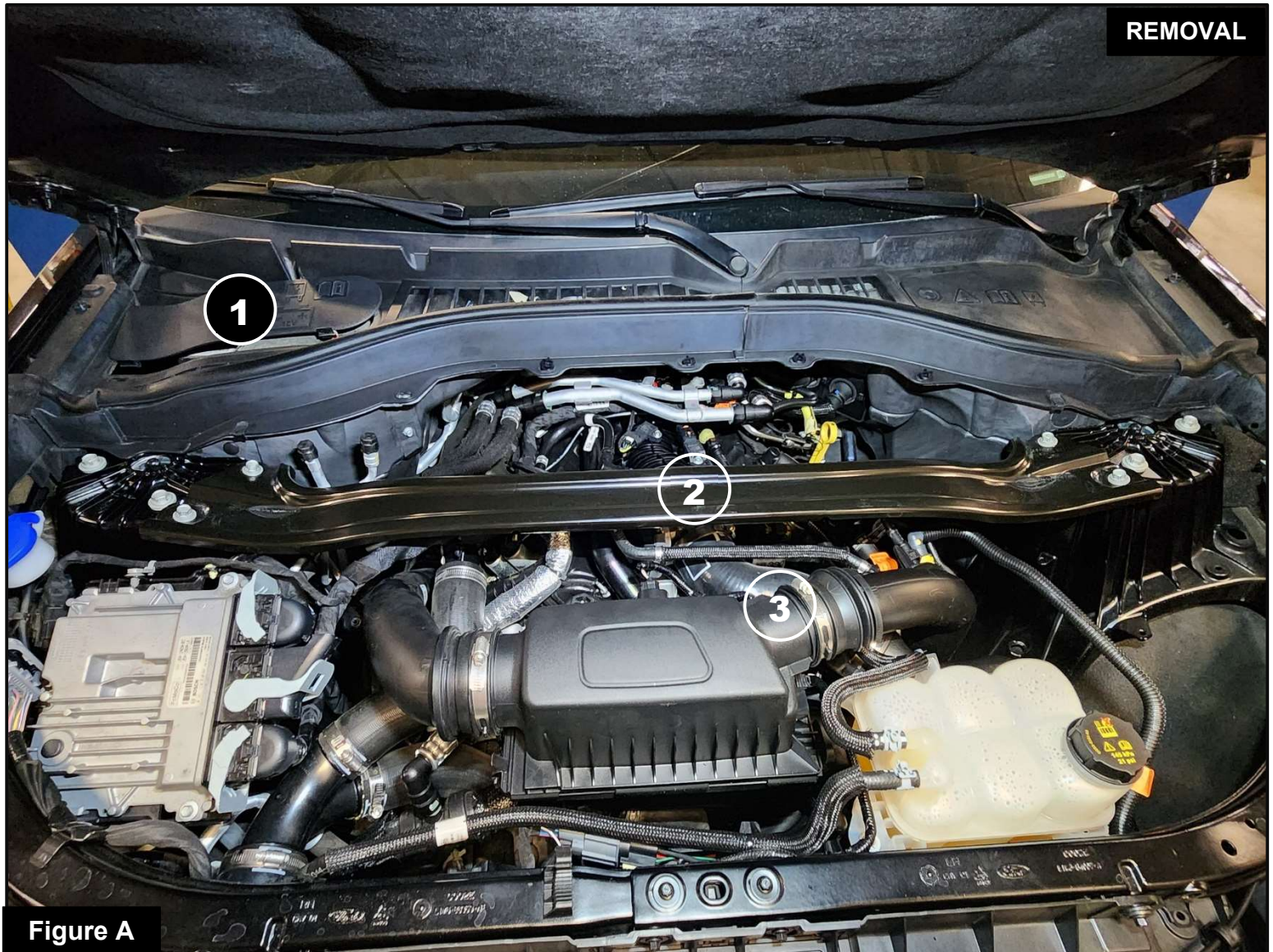


Figure A

Refer to Figure A for Steps 1-3

Step 1: Disconnect the negative battery cable ①

Step 2: Remove the screws securing the factory strut tower brace onto the vehicle ②, and remove the brace.

Step 3: Loosen the clamp securing the driver's side turbo inlet tube to the intake air box, then disconnect it ③.


Figure D

Refer to Figure D for Steps 4-9

- Step 4: Disconnect the intercooler pressure line from the intercooler by releasing the security tab and disconnecting it (4).
- Step 5: Remove the screw securing the coolant reservoir to the vehicle (5).
- Step 6: Place a plastic pry tool between the reservoir and the fan shroud mount, and gently tap the coolant reservoir towards the passenger side to disconnect it from the vehicle (6).
- Step 7: Loosen the clamp securing the factory cold side charge pipe to the intercooler (7).
- Step 8: Lift the coolant reservoir and remove the nut securing the factory cold side charge pipe mounting bracket to the vehicle (8).



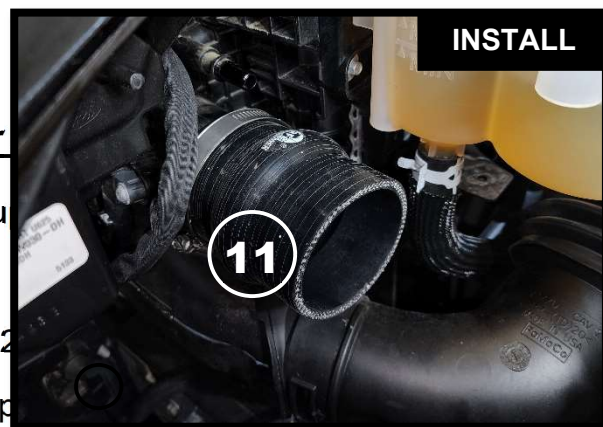
Step 9: Loosen the clamp securing the factory cold side charge pipe to the throttle body, then remove the charge pipe from the vehicle.

Refer to Figure E for Steps 10-12

Note: Be sure to use thread sealant on the plug or

Step 10: If you are not using any aftermarket sensors, install the supplied fitting on the aFe POWER cold side charge pipe 9.

Step 11: Install the supplied aFe POWER silicone elbow coupling, 2 052 SmartSeal clamps onto the aFe POWER cold side charge p





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

Step 12: Install the supplied aFe POWER silicone reducer coupling, 2.75"x 2.50" x 4"L, and one supplied 044 SmartSeal clamp onto the driver's side intercooler outlet ⑭ do not tighten the clamp yet.

Refer to Figure F for Steps 13-16

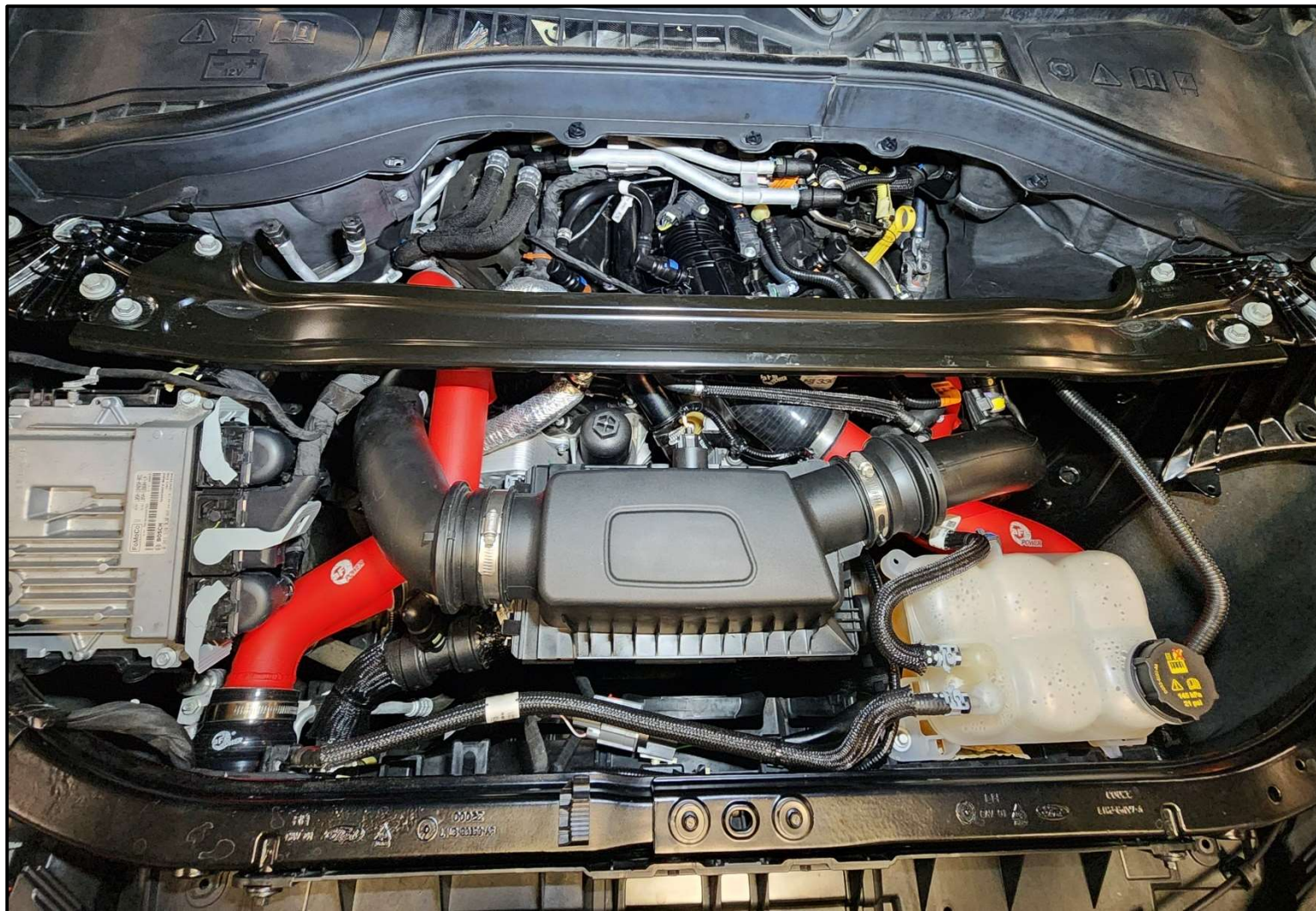
INSTALL

Step 13: Install the aFe POWER cold side charge pipe into the vehicle along with one of the 052 SmartSeal clamps on the intercooler side and tighten the clamps.

Step 14: Reconnect the intercooler pressure line to the intercooler and secure the security tab ⑫.

Step 15: Reinstall the coolant reservoir into its mounting tab and secure it using the factory screw ⑬.

Step 16: Reconnect the EVAP hose to the turbo inlet tube ⑭.



Refer to Figure G for Steps 17-20

INSTALL

Step 17: Secure the driver's side turbo inlet tube to the air box 15.

Step 18: Reinstall the strut brace into the vehicle ①⑥

Step 19: Reconnect the negative battery cable.

Step 20: Install is now complete.

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



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