

advanced FLOW engineering Turbo Inlet Pipes

Instruction Manual P/N: 59-20006

Make: FORD

Model: F-150

Year: 2015-2016

Engine: V6-3.5L(tt)



- 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 951-493-7185.
- 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.

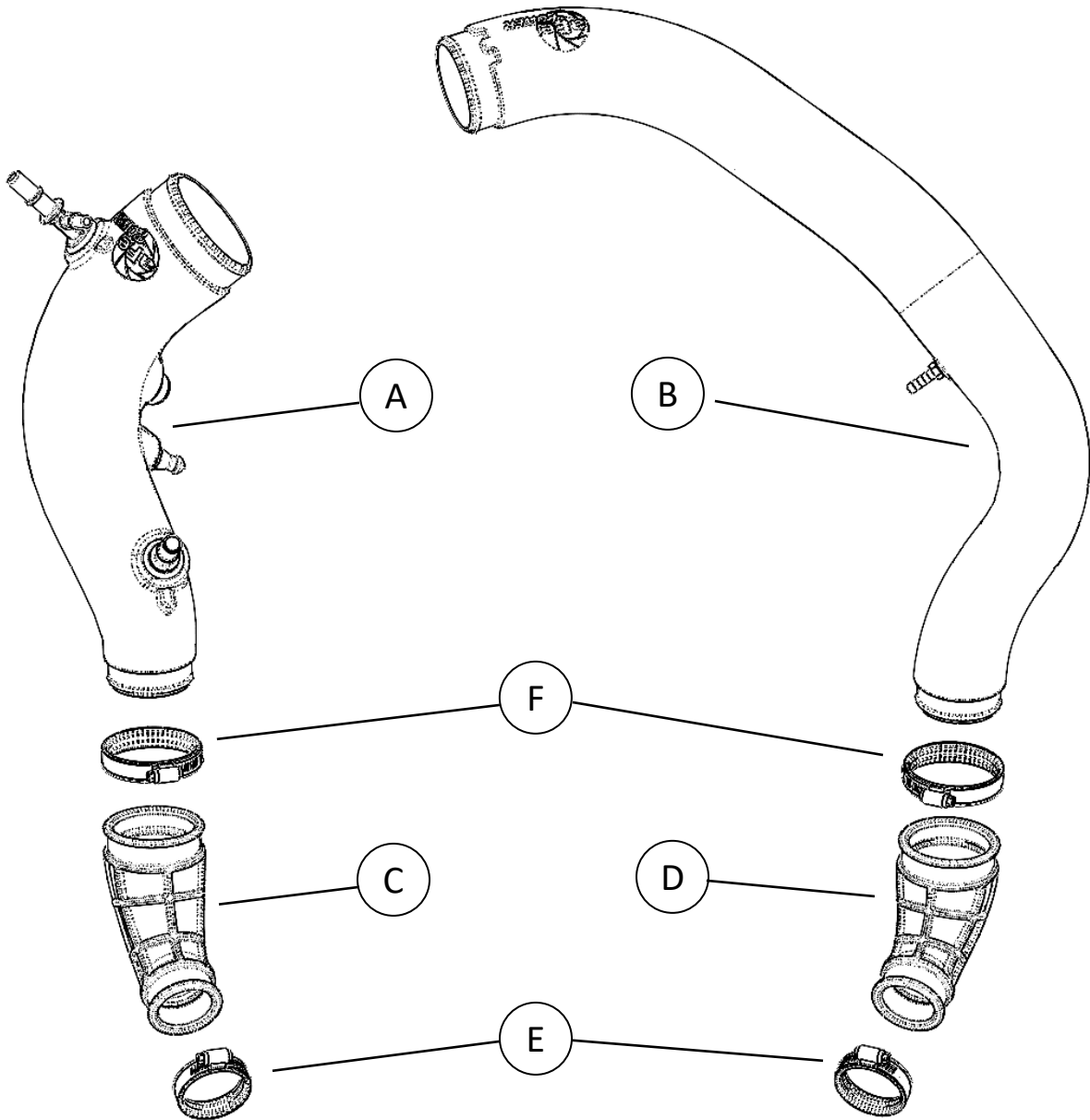
Label	Qty.	Description	Part Number
A	1	Turbo Inlet Pipe (Driver Side)	05-5920006B1
B	1	Turbo Inlet Pipe (Passenger Side)	05-5920006B2
C	1	Coupling, Silicone Reducer (Driver Side)	05-01581
D	1	Coupling, Silicone Reducer (Passenger Side)	05-01582
E	2	Clamp, SmartSeal, #032	03-50655
F	2	Clamp, SmartSeal, #044	03-50656

Installation will require the following tools:

Long flathead screwdriver, trim removal tool, 7mm, 8mm, 13mm Nut drivers or Socket and Ratchets with extensions, Lubricant Spray

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 Step 1

Note: Steps 1 to 6 describe how to remove the factory air intake system. If you have an aFe POWER or other aftermarket intake, please refer to the instructions that were included for removal of that intake.

Step 1: Unplug the Intake Air Temperature sensor harness from the back side of the intake tube.



Figure B

Refer to Figure B for Steps 2-4

Step 2: Loosen the two clamps connecting the intake tube to the turbo inlet pipes.

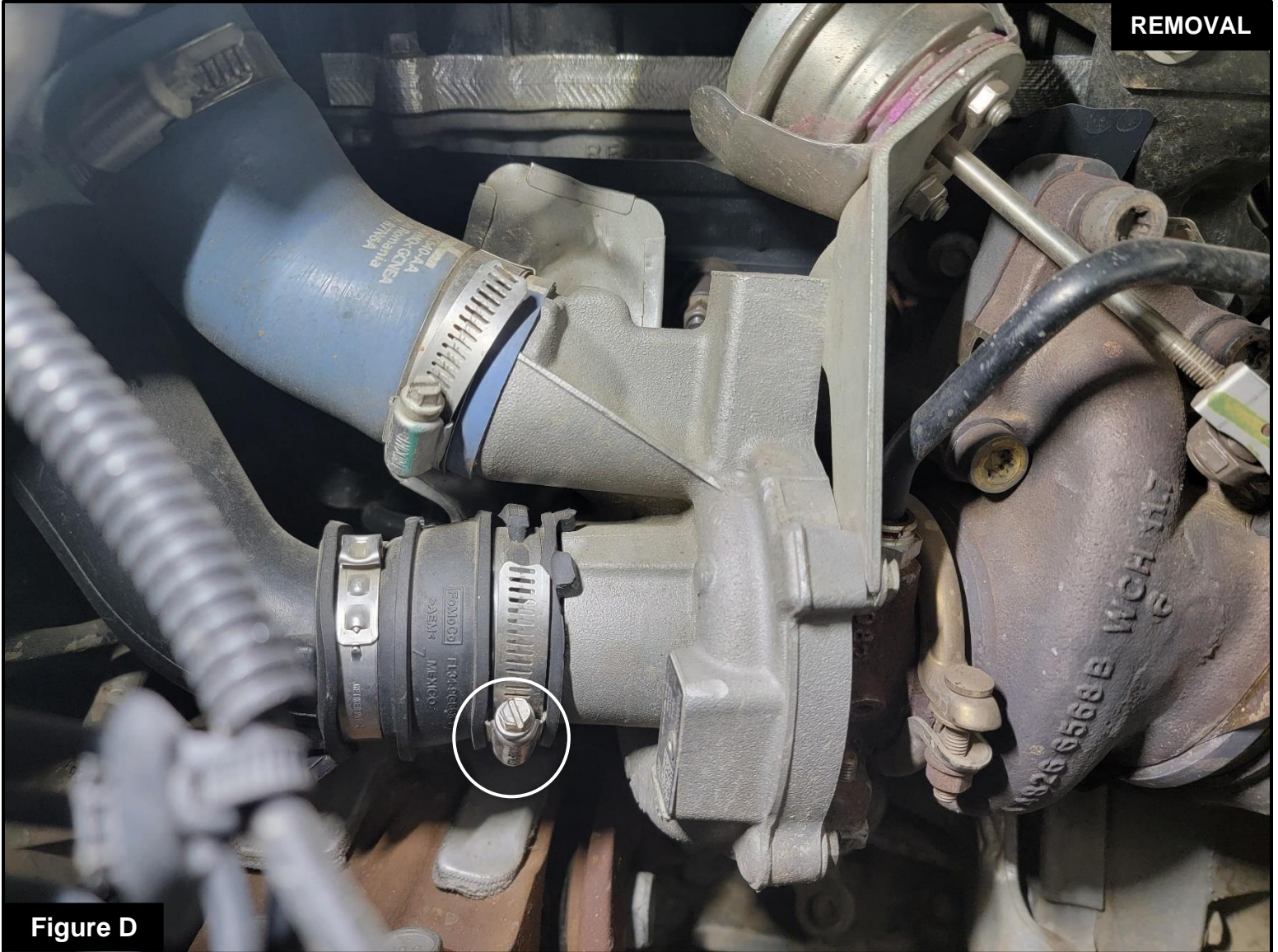
Step 3: Unclip the top of the factory air box and remove the intake tube, air filter and top of the air box from the vehicle.

Step 4: Remove the two plastic rivets securing the front scoop of the housing.

**Figure C****Refer to Figure C for Steps 5-6**

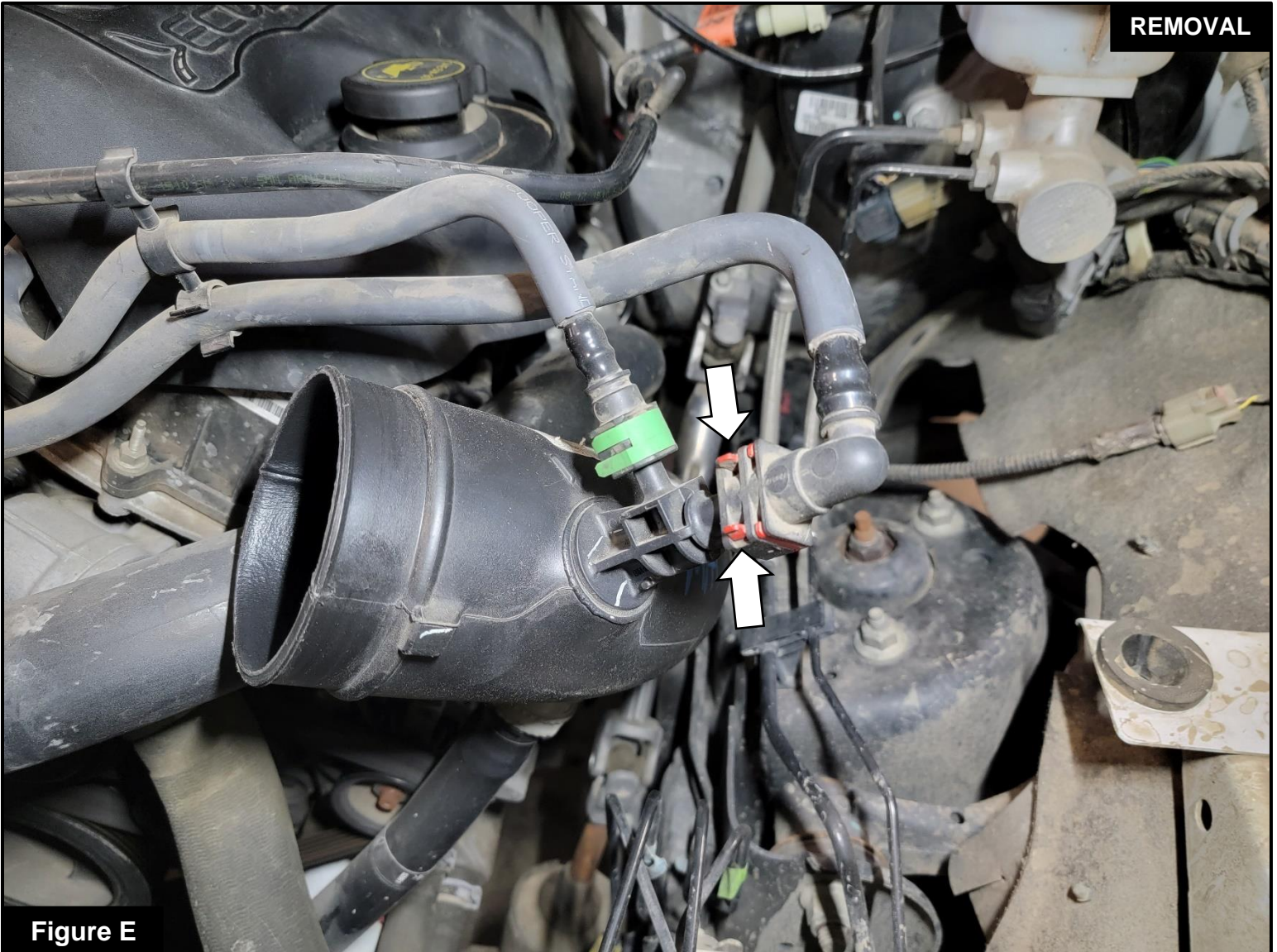
Step 5: Unclip the Air Temperature sensor wire from the back of the air box.

Step 6: Remove the 13mm screw securing the air box to the fender, then pull the factory air box out of the truck.

**Figure D****Refer to Figure D for Step 7**

Step 7: Loosen the clamp at the driver side turbo, using a 7mm nut driver, or flathead screwdriver. It is easiest to access from the driver side wheel well.

Note: It is recommended to remove the wheel well covers to access the turbos.

**Figure E****Refer to Figure E for Step 8**

Step 8: Disconnect the two fittings from the top of the driver side turbo inlet pipe. Use a flathead screwdriver to unlock the fitting with the green locking tabs. Squeeze the locking tabs together to unlock the fitting with the red tabs.

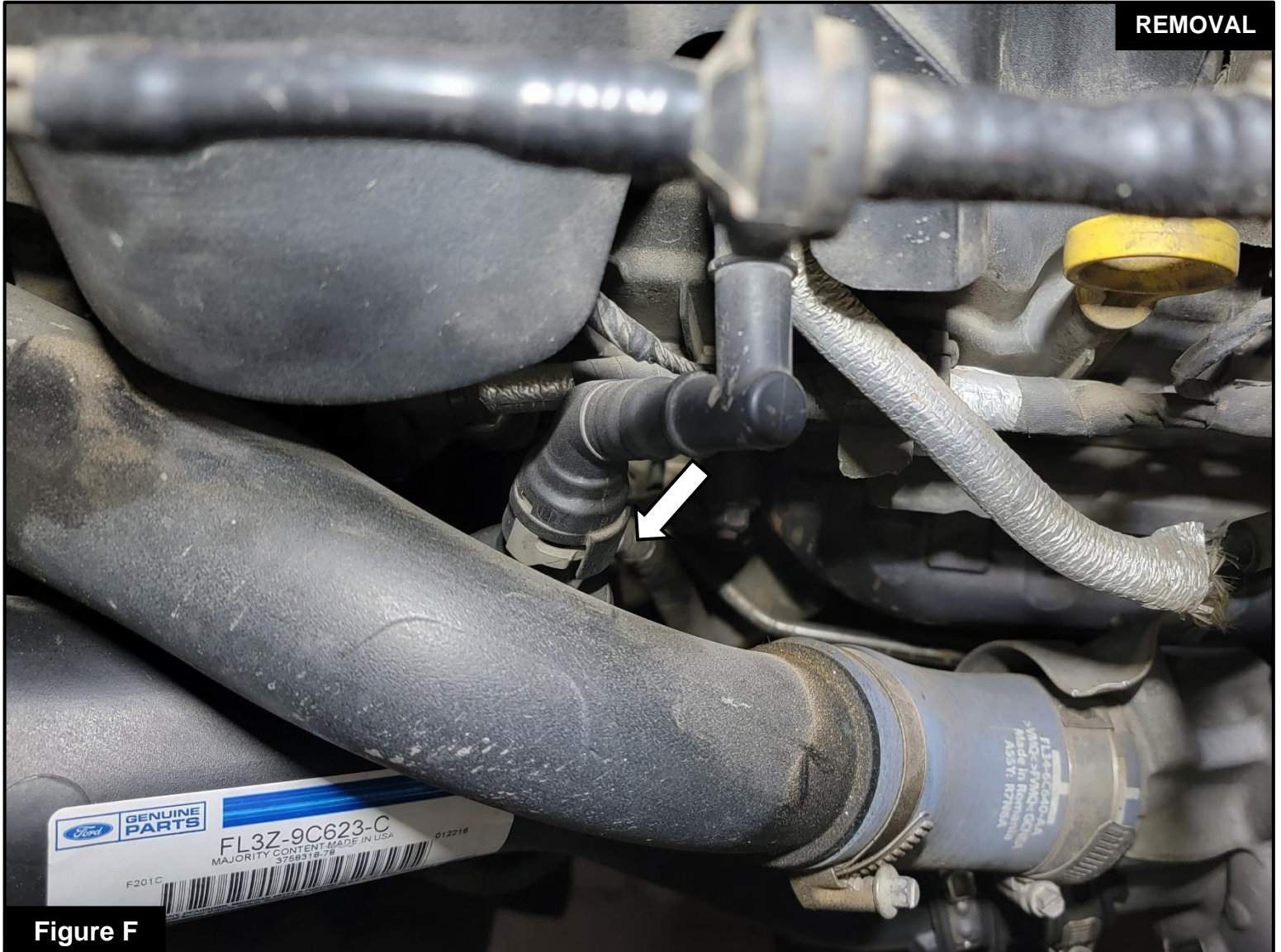


Figure F

Refer to Figure F for Step 9

Step 9: Disconnect the crankcase vent located closer to the turbo on the driver side turbo inlet pipe by pushing downward on the tube, pulling and holding the gray locking tab to the left, and then pulling the tube upward.

**Figure G****Refer to Figure G for Step 10**

Step 10: Disconnect the the bypass valve hose from the bottom of the turbo inlet pipe by rotating the gray portion counter-clockwise and then pulling downward.

**Figure H****Refer to Figure H for Step 11**

Step 11: Lubricate the turbo inlet pipe grommet and mounting peg, then pull the tube out of the grommet in the direction of the arrow. Remove the turbo inlet pipe from the vehicle.



Figure I

Refer to Figure I for Steps 12-13

Step 12: Loosely install the clamps on the ends of the driver side coupling, the coupling is labeled "DS."

Step 13: Install the coupling and clamps onto the driver side turbo, oriented as shown. Do not tighten the clamps yet.



Figure J

Refer to Figure J for Steps 14-15

Step 14: Confirm that the plastic vent T-fitting is oriented to the marking on the tube.

Step 15: Confirm that the crankcase aluminum vent fitting is oriented correctly. The small cutout on the flange of the aluminum fitting should be in line with the arrow on the tube, as shown in the smaller figure above.

If you had an aFe POWER intake or are installing an aFe POWER intake, do NOT place the small white vent insert into the aFe POWER turbo inlet pipe.



Figure K

Refer to Figure K for Step 16

Step 16: Install the aFe POWER driver side turbo inlet pipe by first sliding the tube into the coupling and then pushing the mounting peg into the factory grommet. Make sure the coupling is seated correctly on the turbo and the turbo inlet pipe.

Do not tighten clamps yet.

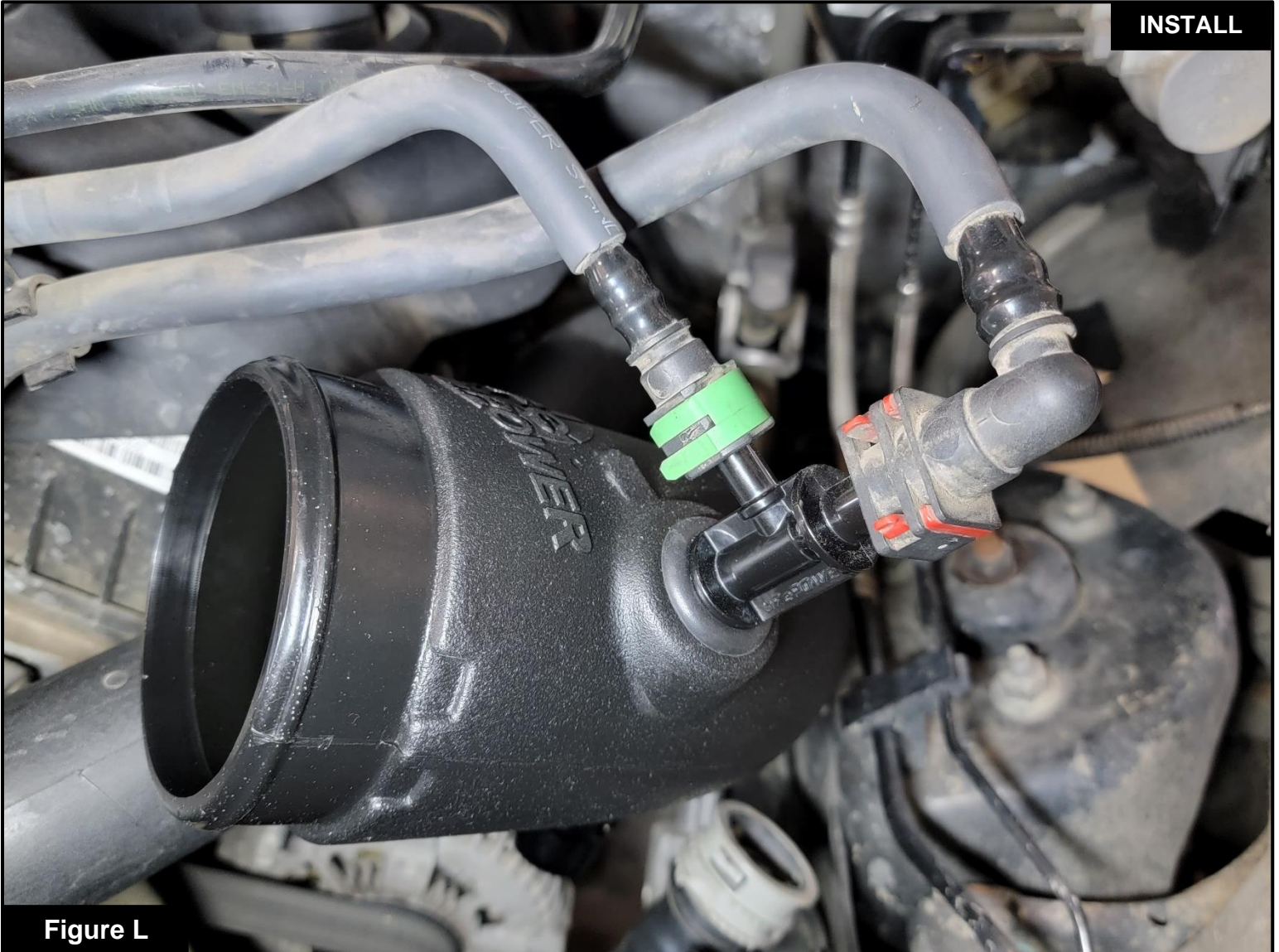


Figure L

Refer to Figure L for Step 17

Step 17: Reconnect all of the quick disconnect fittings on to the driver side turbo inlet pipe, including the crankcase fitting closer to the turbo.

**Figure M****Refer to Figure M for Steps 18-19**

Step 18: Reconnect the bypass valve vent tube to the bottom of the turbo inlet pipe.

Step 19: Verify all connection are correctly installed on the driver side aFe POWER turbo inlet pipe.



Refer to Figure N for Step 20

Step 20: Remove the oil fill cap, remove the engine cover by lifting the front upward and pulling forward, and then reinstall the oil fill cap to prevent debris and foreign objects from falling into the engine.

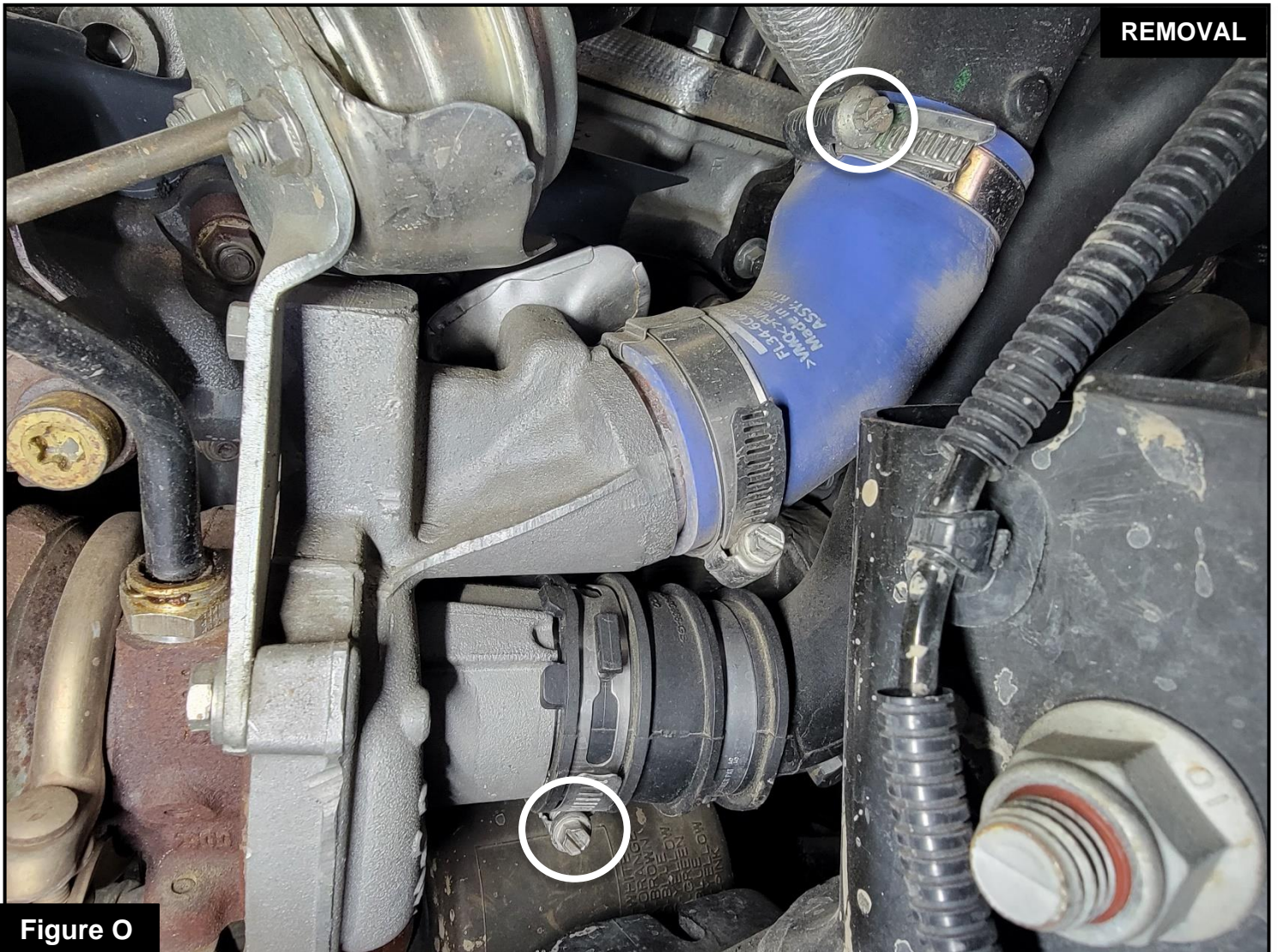


Figure O

Refer to Figure O for Steps 21-22

Step 21: Loosen the clamp at the passenger side turbo, using a 7mm nut driver, or flathead screwdriver. It is easiest to access from the passenger side wheel well.

Step 22: Loosen the top clamp securing the charge pipe.

Note: It is recommended to remove the wheel well covers to access the turbos.

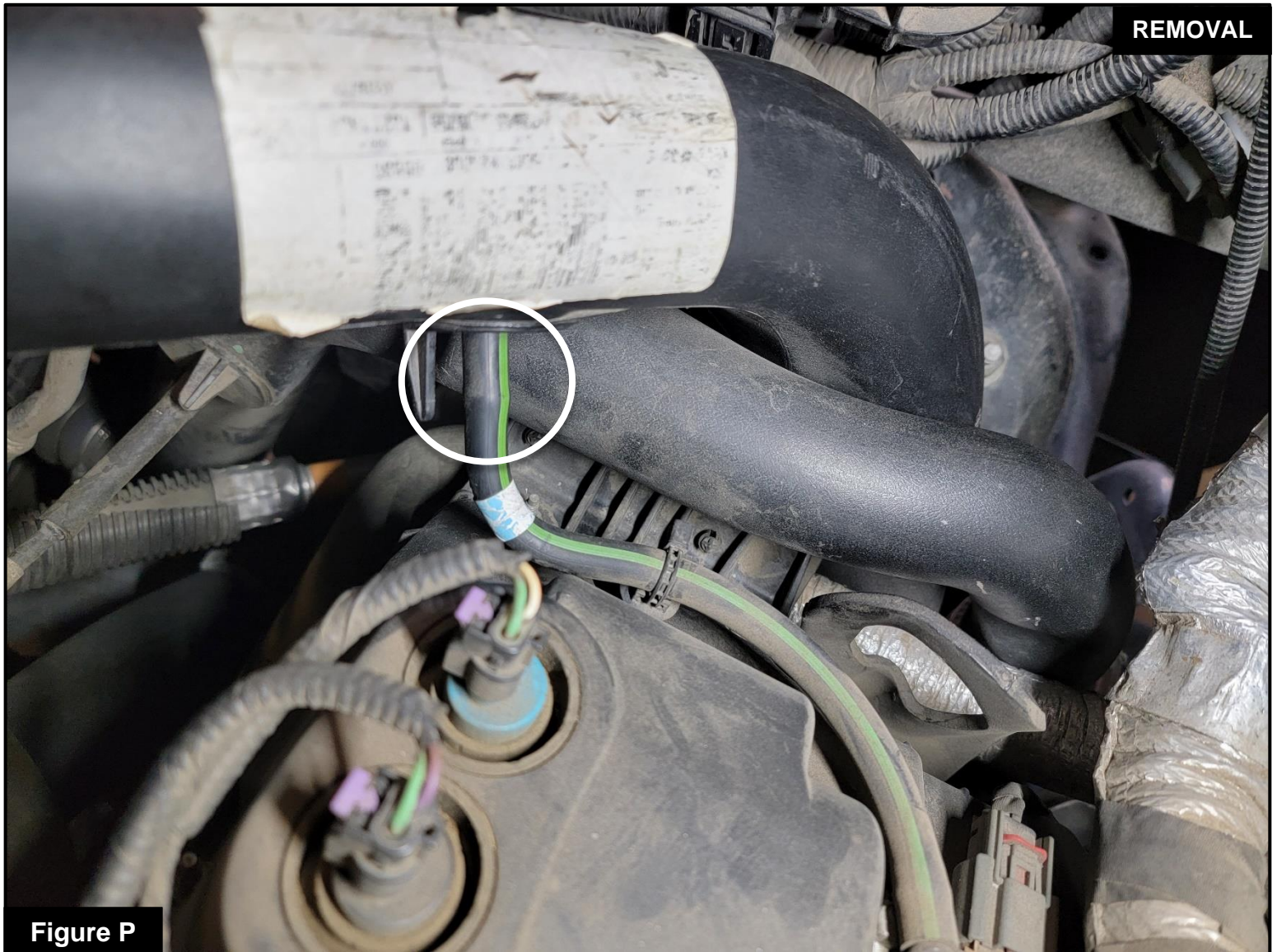


Figure P

Refer to Figure P for Steps 23-25

Step 23: Disconnect the vacuum hose from the passenger side turbo inlet pipe.

Step 24: Lift the charge pipe out of its mounting grommet to allow more clearance. There is no need to completely remove the charge pipe. Make sure to lubricate the grommet first.

Step 25: After lubricating the grommet, pull the passenger side turbo inlet pipe out of its mounting grommet. Remove the turbo inlet pipe from the vehicle.



Refer to Figure Q for Steps 26-27

Step 26: Loosely install the clamps on the ends of the passenger side coupling, the coupling is labeled "PS."

Step 27: Install the coupling and clamps onto the turbo, oriented as shown. Do not tighten the clamps yet.



Figure R

Refer to Figure R for Steps 28-29

Step 28: Install the aFe POWER passenger side turbo inlet pipe by first sliding the tube into the coupling, then pushing the mounting peg into the grommet. Make sure the coupling is seated correctly on the turbo and the turbo inlet pipe.

Do not tighten clamps yet.

Step 29: Reinstall the charge pipe into the mounting grommet and its coupling.

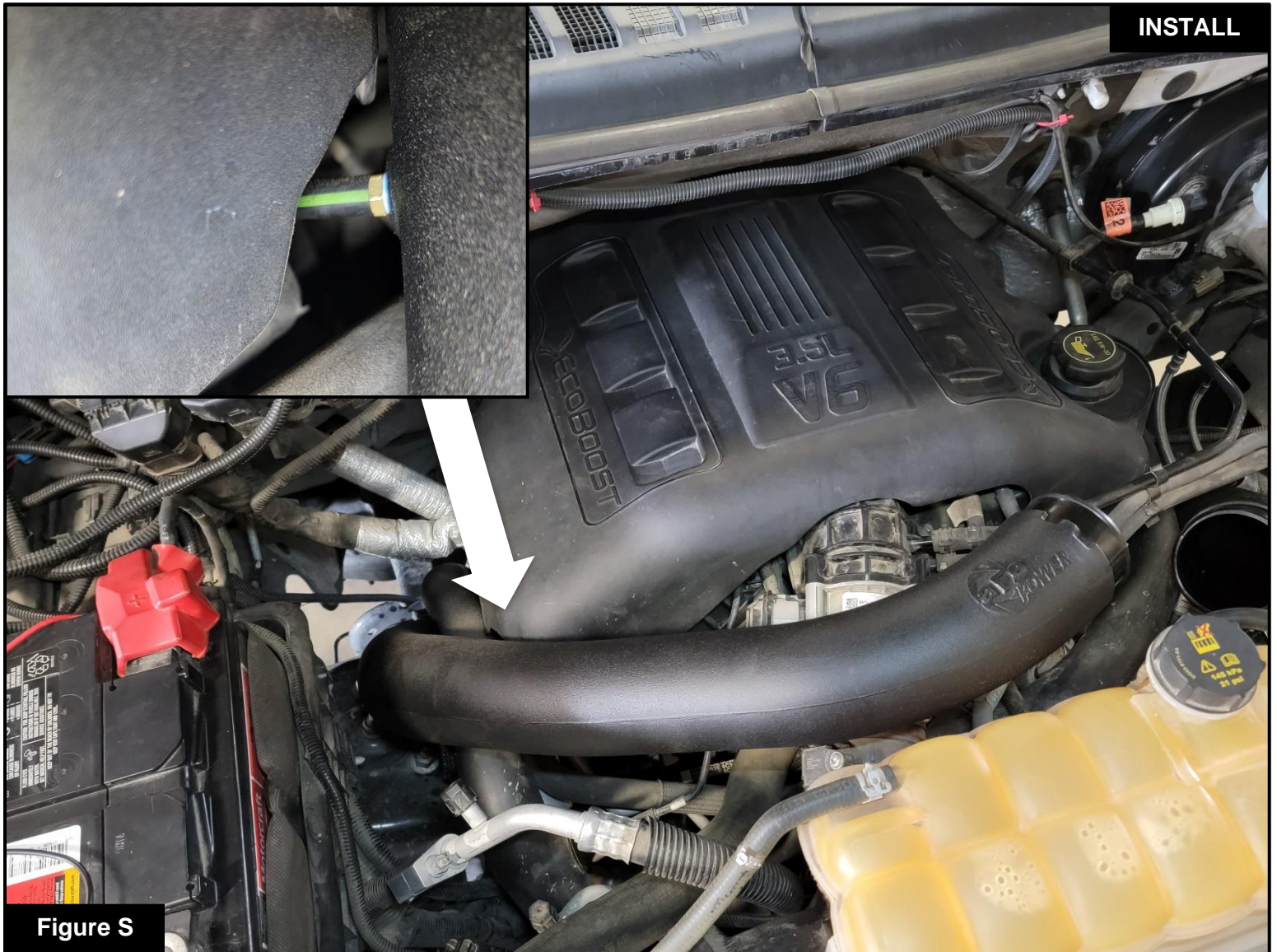


Figure S

Refer to Figure S for Steps 30-31

Step 30: Reconnect the vacuum hose to the new brass fitting on the passanger side turbo inlet pipe.

Step 31: Remove the oil fill cap, reinstall the engine cover by aligning the back first and then pushing down on the front, and then reinstall the oil fill cap.

**Figure T****Refer to Figure T for Steps 32-35**

Step 32: Reinstall the air intake system using Steps 1 through 6 as a reference.

Step 33: Make any final adjustments needed to align the driver side coupling, then tighten both clamps.

Repeat this step for the passenger side coupling.

Step 34: Retighten the clamps on the passenger side charge pipe.

Step 35: Verify all clamps and connections are secured. Your installation is now complete. Thank you for choosing aFe POWER!



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