

## ***advanced FLOW engineering***

Cold Air Intake System

### **Instruction Manual** P/N: 57-10017D / 57-10017R

Make: **BMW**

Model: **Z4 M40i (G29)**

Year: **2020-2023**

Engine: **L6-3.0L (t) B58**

Make: **Toyota**

Model: **Supra (A90)**

Year: **2020-2023**

Engine: **L6-3.0L (t) B58**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 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
A1	1	Air Filter (Pro DRY S) for 57-10017D	27-90203D
A2	1	Air Filter (Pro 5R) for 57-10017D	27-90203R
B	1	Tube, Carbon Fiber	05-5710017C1
C	1	Housing	05-5710017B2
D	1	Coupling, Silicone Bellow: 3.1"ID x 3"L	05-01525
E	2	Clamp, #048	03-50007
F	2	Screw, M4	03-50491
G	1	Seal, Trim: 13/32" Dbl. Bulb, 34" Length	05-01534

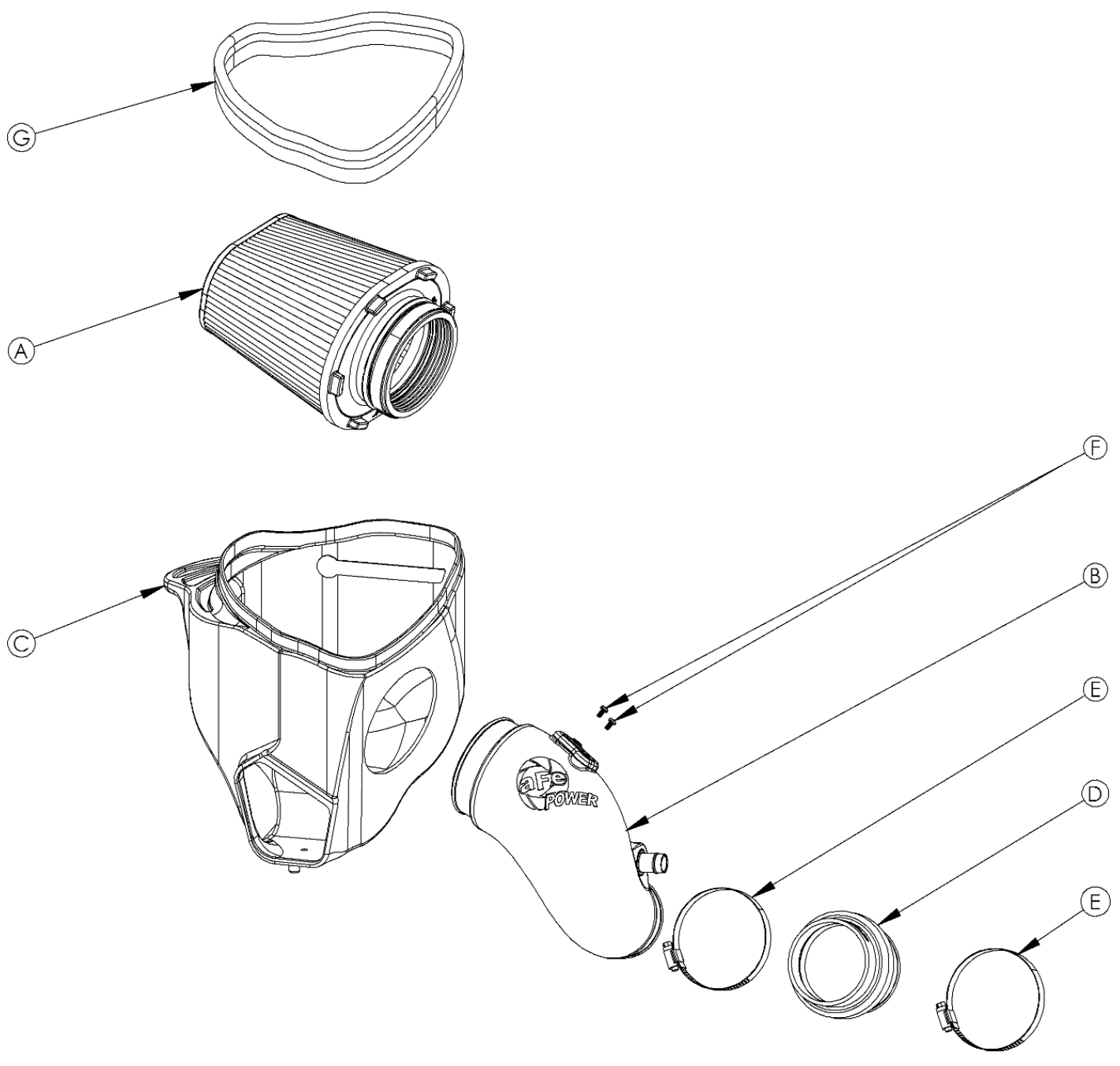
**Installation will require the following tools:**

6mm and 8mm nut drivers or sockets, socket wrench, flat-head screwdriver, T20 torx bit, and panel popper.

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 1-4**

Step 1: If the vehicle is equipped with a brace above the factory intake, remove the brace.

Step 2: Disconnect the temperature sensor harness.

Step 3: Loosen the hose clamp at the factory airbox. Then, slide the factory intake tube away from the factory airbox.

Step 4: To remove the factory airbox, carefully pull up on the factory airbox.

REMOVAL

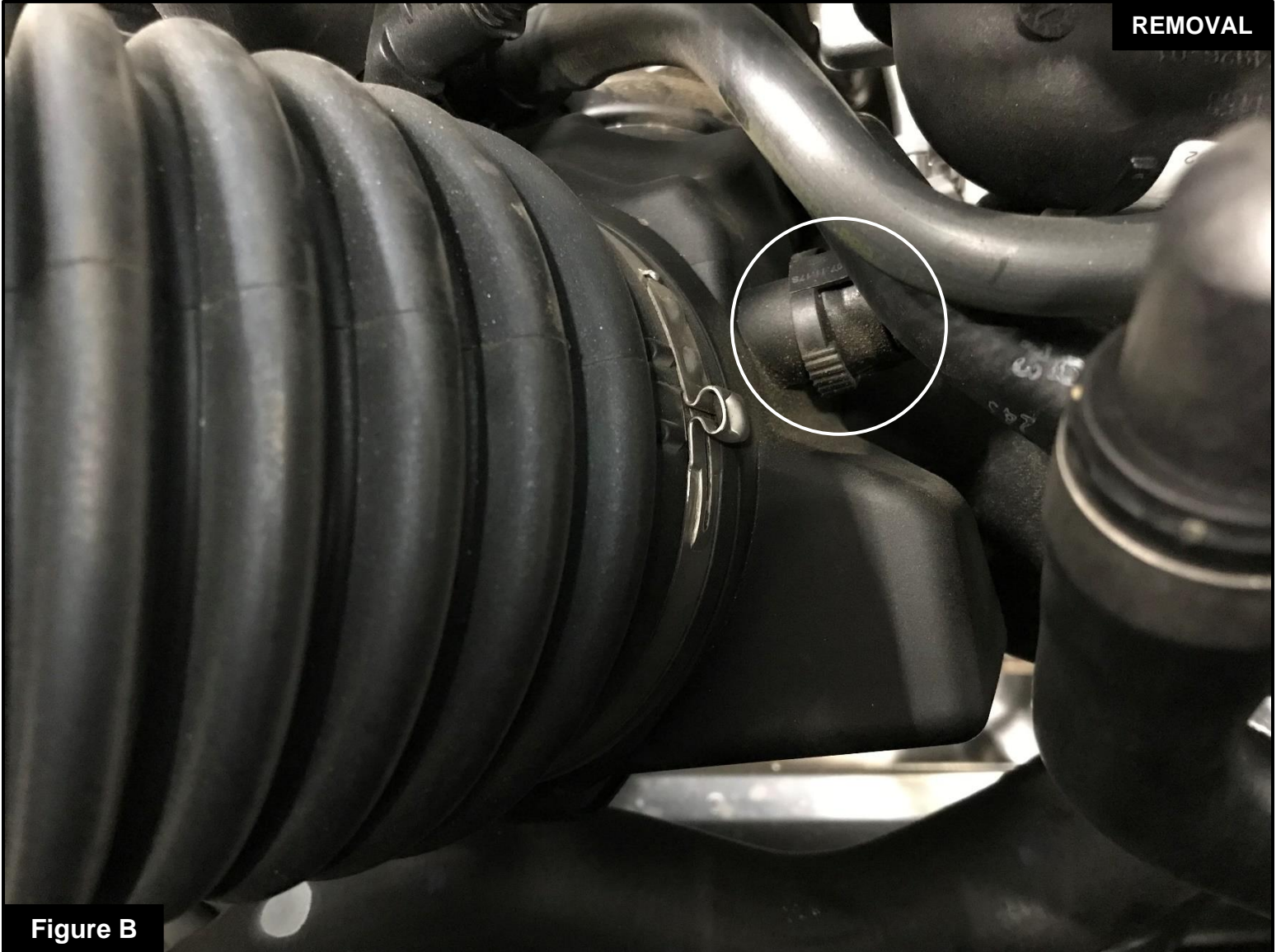
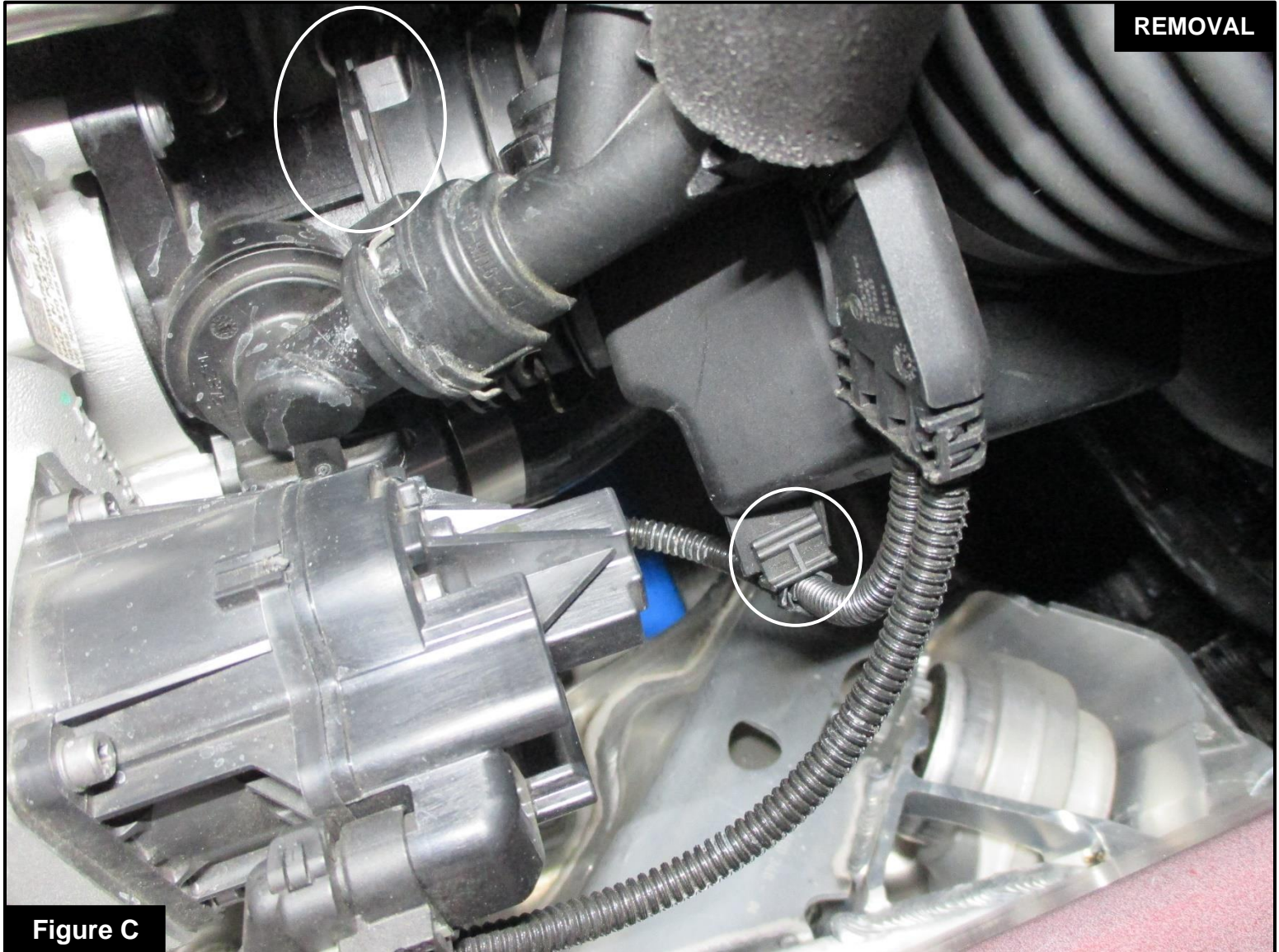


Figure B

**Refer to Figure B for Step 5**

Step 5: Disconnect the crankcase breather line.



**Figure C**

**Refer to Figure C for Steps 6-7**

Step 6: Detach the harness from the factory intake tube.

Step 7: Finally, carefully remove the retention ring holding the factory intake tube to the turbo inlet and pull the factory intake tube out of the vehicle.



Figure D

**Refer to Figure D for Step 8**

Step 8: Transfer the temperature sensor from the factory airbox to the carbon fiber aFe POWER intake tube and attach with the supplied screws.

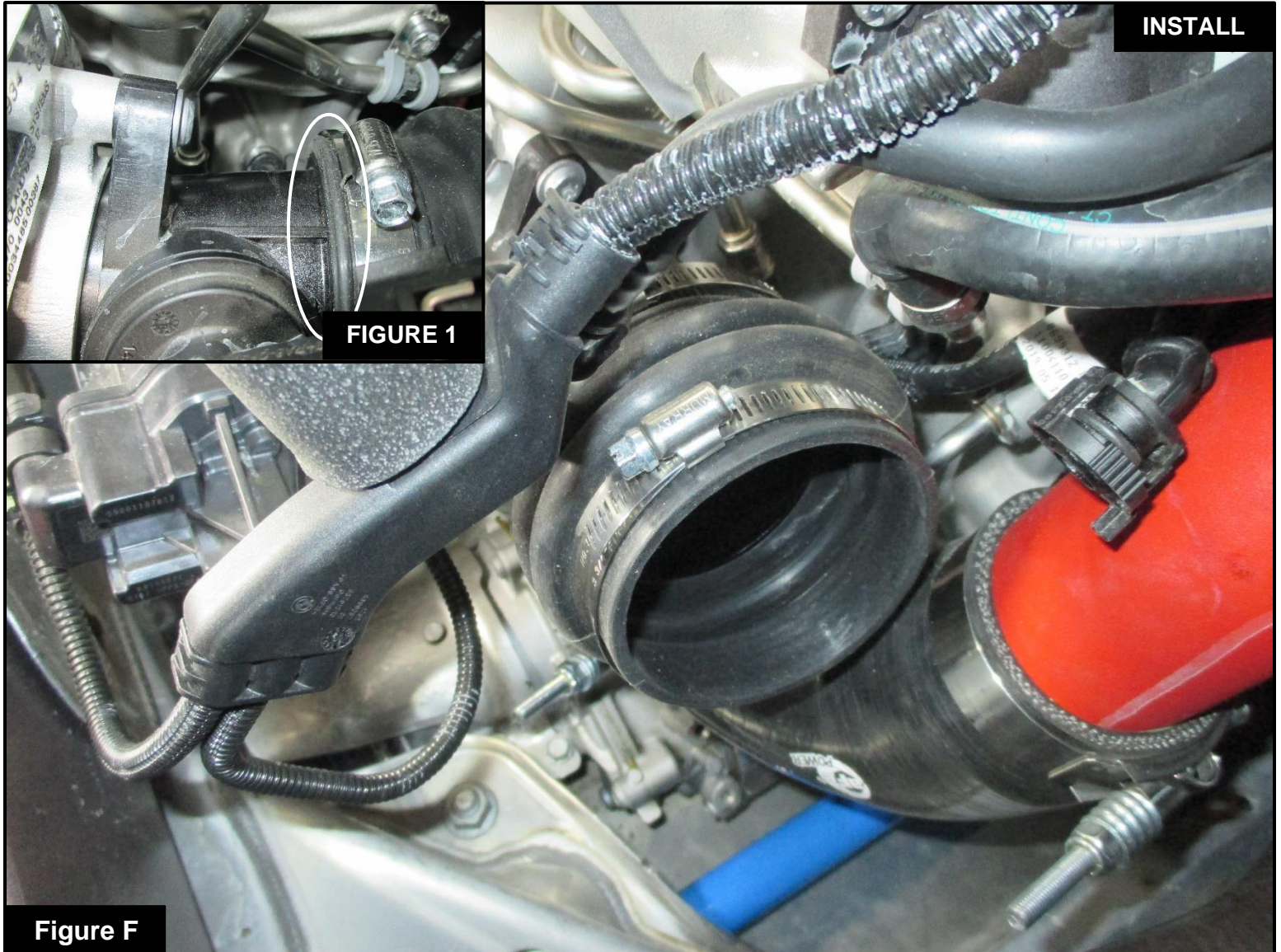
**Figure E****Refer to Figure E for Steps 9-11**

Step 9: Install the supplied air filter into the aFe POWER housing. Place the air filter into the large opening at the top, then slip the air filter flange into the round opening on the aFe POWER housing, making sure the air filter's lip locks into place. Rotate the air filter to have clearance around the top of the air filter and the inside of the aFe POWER housing.

Step 10: Place the clamp over the flange of the filter. Do not tighten the clamp at this time.

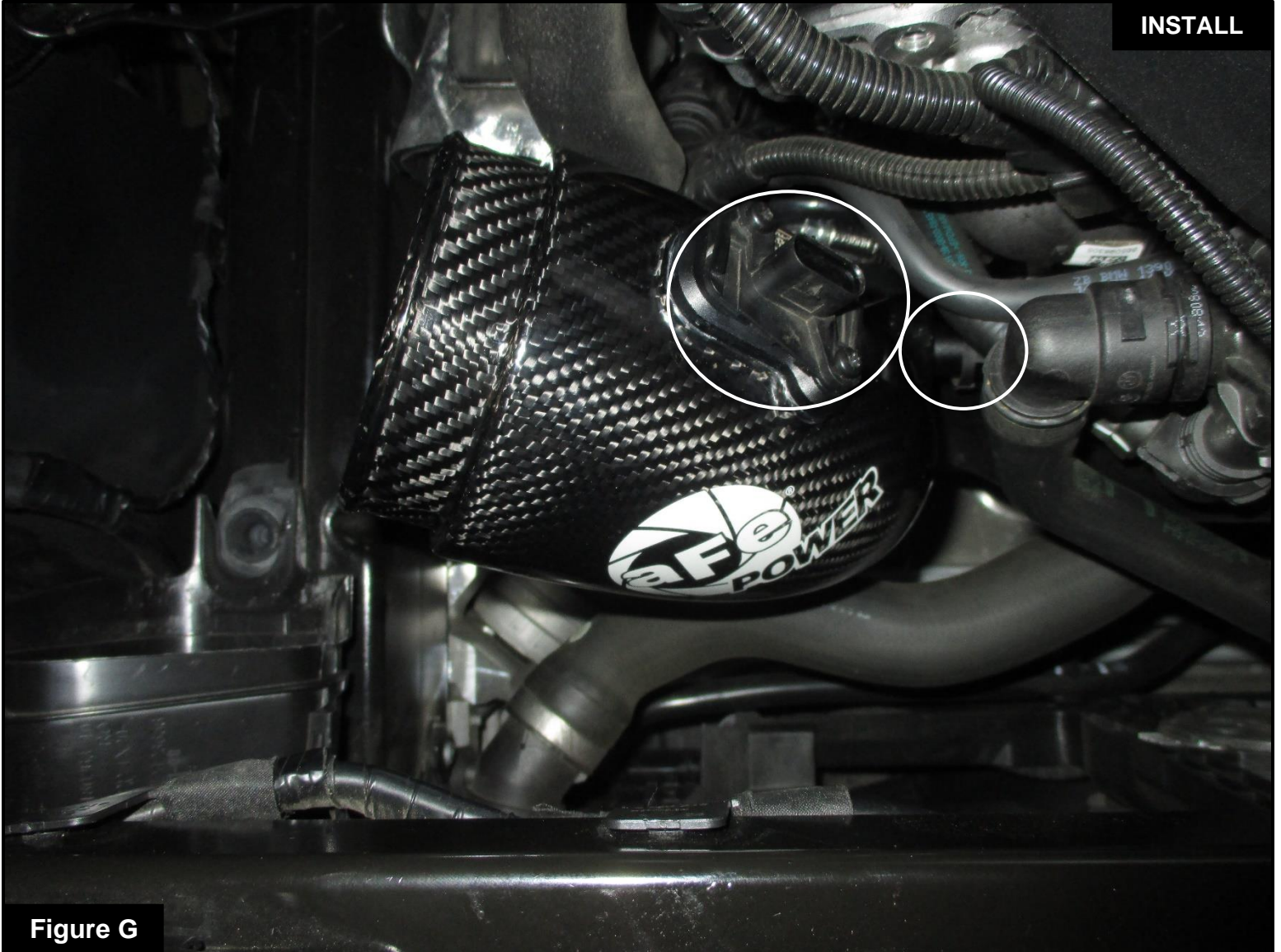
Step 11: Install the supplied trim seal on the top edge of the aFe POWER housing.





**Refer to Figure F for Steps 12-14**

- Step 12: Install the supplied coupling onto the turbo inlet and place the supplied clamps onto the coupling.
- Step 13: Make sure to have the end of the coupling sit flush to the rim of the turbo inlet. This is to make sure the interior lip of the coupling sits correctly in the groove of the turbo inlet. See **Figure 1**.
- Step 14: When the coupling sits comfortably on the turbo inlet, tighten the clamp between the coupling and the turbo inlet. Do not tighten the clamp at the open end of the coupling.

**Figure G****Refer to Figure G for Steps 15-17**

Step 15: Install the carbon fiber aFe POWER intake tube into the coupling. Do not tighten the clamp at this time.

Step 16: Connect the crankcase breather line to the carbon fiber aFe POWER intake tube.

Step 17: Make sure the carbon fiber aFe POWER intake tube and crankcase line sit comfortably, then tighten the clamp between the carbon fiber aFe POWER intake tube and the coupling.

**Figure H**

### **Refer to Figure H for Steps 18-22**

Step 18: Install the assembled aFe POWER housing and air filter into the engine bay by pressing down firmly into the three (3) factory mounting grommets.

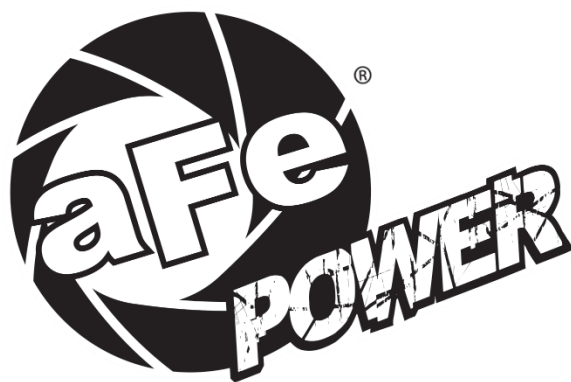
Step 19: Slip the carbon fiber aFe POWER intake tube into the air filter and tighten the clamp between the carbon fiber aFe POWER tube and air filter.

Step 20: Connect the temperature sensor harness to the temperature sensor.

Step 21: If the vehicle is equipped with a brace, re-install the brace from **Step 1**.

Step 22: Make sure all components and connections are secure. Your installation is now complete. Thank you for choosing aFe POWER!

**NOTE: Check all bolts, clamps, and connectors after 100-200 miles.**



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