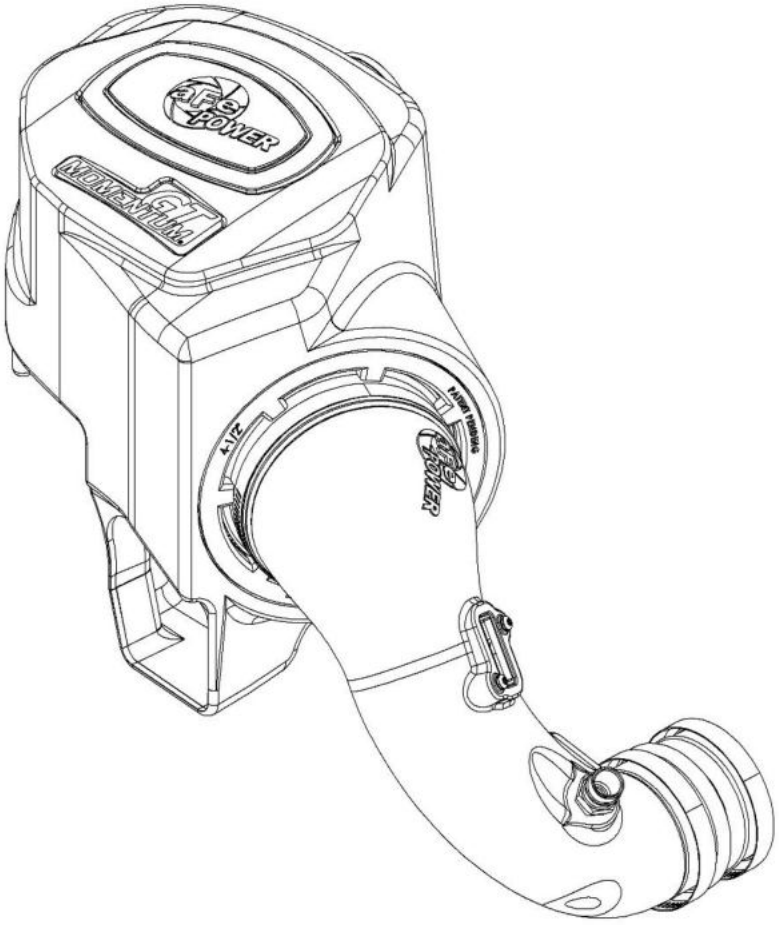


advanced FLOW engineering

Cold Air Intake System

Instruction Manual P/N: 50-70073D / 50-70073R

Make: **BMW**	Model: **540i (G30)**	Year: **2017-2022**	Engine: **L6-3.0L (t) B58**
Make: **BMW**	Model: **740i (G11/G12)**	Year: **2017-2022**	Engine: **L6-3.0L (t) B58**
Make: **BMW**	Model: **840i (G14/G15/G16)**	Year: **2019-2022**	Engine: **L6-3.0L (t) B58**

- **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
A1	1	Air Filter (Pro DRY S)	21-91144
A2	1	Air Filter (Pro 5R)	24-91144
B	1	Tube	05-5070073B1
C	1	Housing	05-5070073B2
D	1	Coupling, Silicone Bellow	05-01704
E	2	Clamp, #048	03-50007
F	1	Fitting, Aluminum: ¼-NPT	03-50644
G	1	Fitting, Aluminum (CCV)	05-01559
H	1	Grommet	03-50139
J	1	Auxiliary Plug	05-01482
K	2	Screw, M4	03-50491

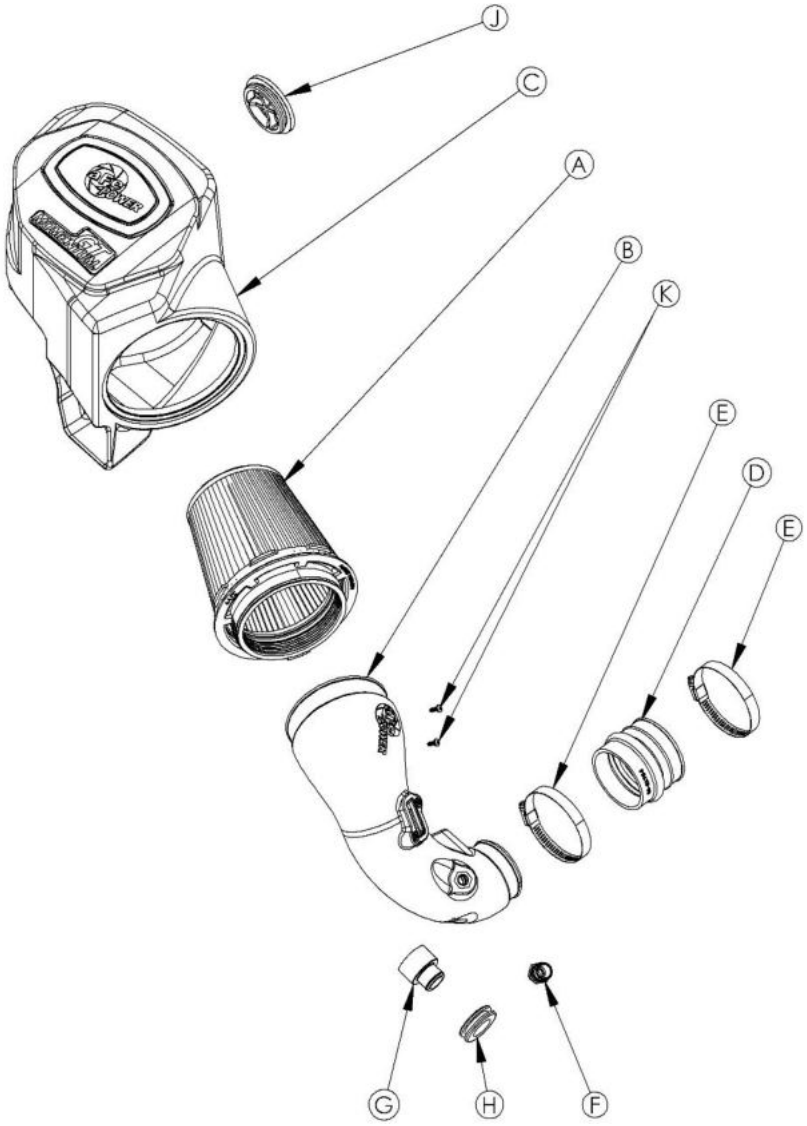
Installation will require the following tools:

6mm and 8mm nut drivers or sockets, socket set, socket wrench, two (2) flat-head screwdriver or two (2) picks, 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.


J
C
A
B
K
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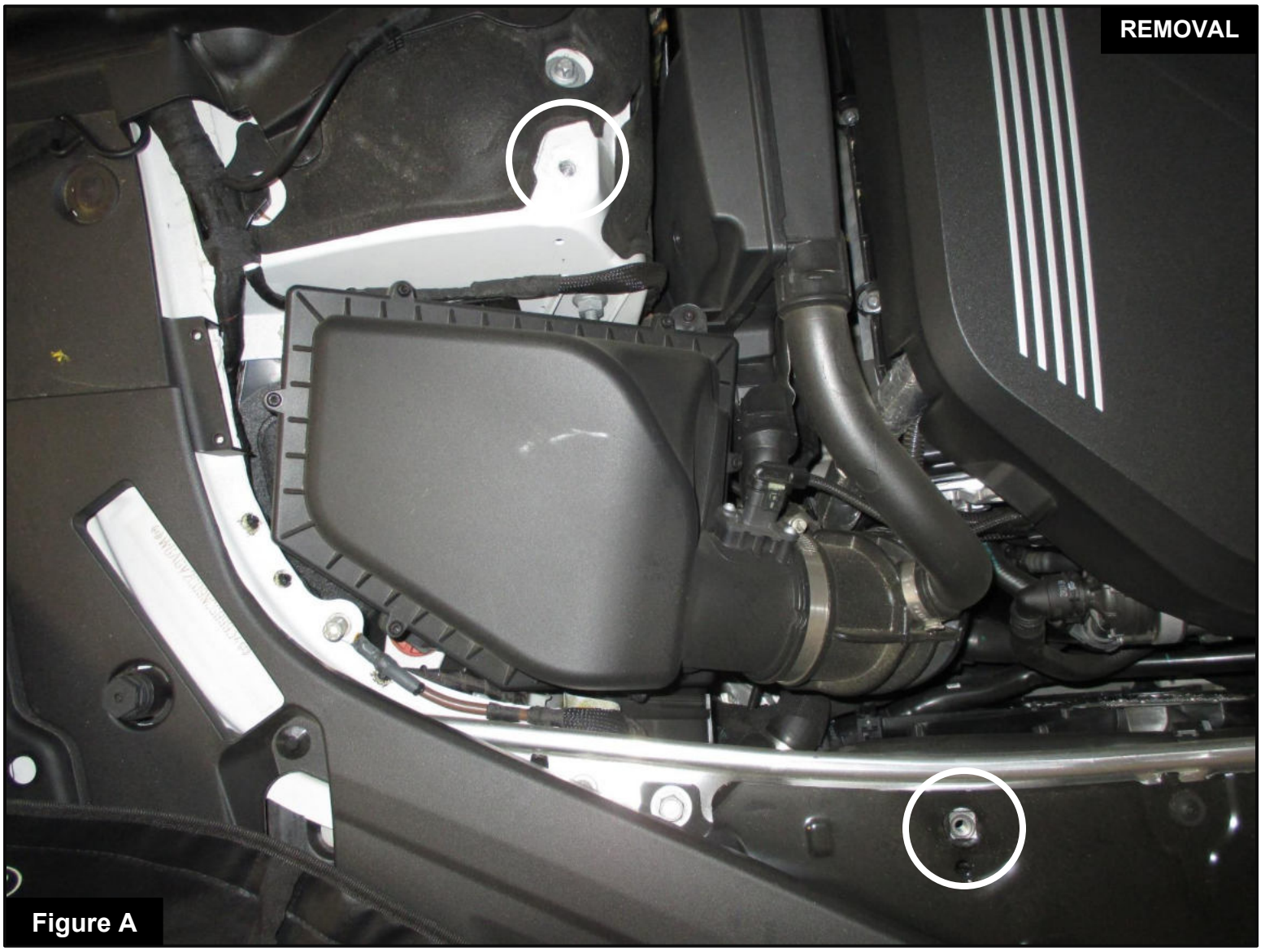

Figure A

Refer to Figure A for Step 1

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

NOTE: This aFe POWER intake is designed to fit with and without the factory brace.

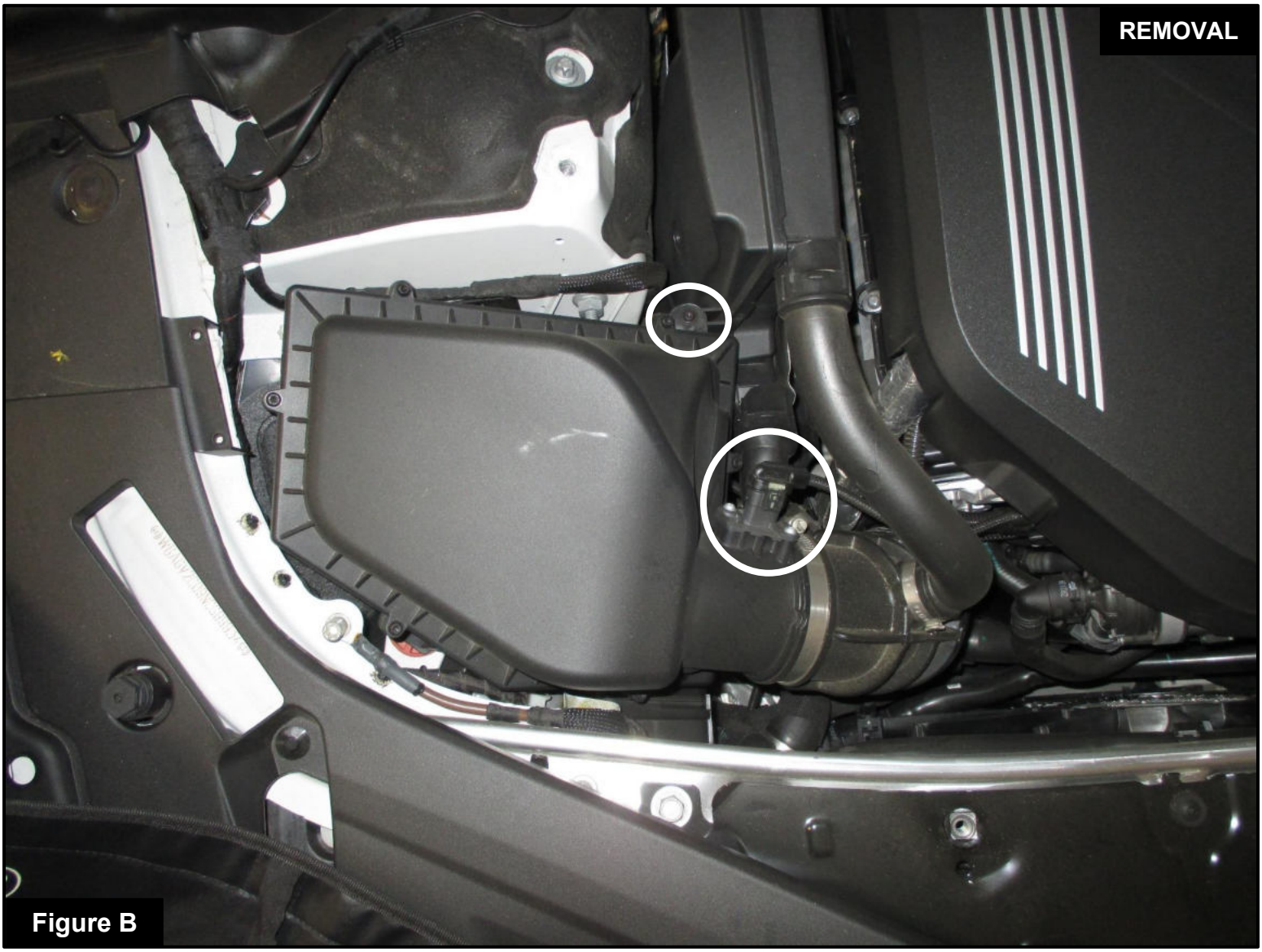

Figure B

Refer to Figure B for Steps 2-6

Step 2: Gently disconnect the mass air flow (MAF) sensor harness.

Step 3: Detach the MAF harness clip from the factory resonator.

Step 4: Using a 6mm nut driver, loosen the hose clamps at the factory airbox.

Step 5: Remove the screw holding the resonator to the factory airbox.

Step 6: Carefully pull up on the factory airbox to remove it from the vehicle.

Figure C

Refer to Figure C for Steps 7-10

Step 7: Remove the engine cover.

Step 8: Carefully disconnect the larger crankcase vent (CCV) hose from the top of the engine.

Step 9: Detach the clip holding the multiple harnesses to the CCV hose.

Step 10: Disconnect the sensors from the detached clip, located at the bottom of the CCV hose and turbo actuator.

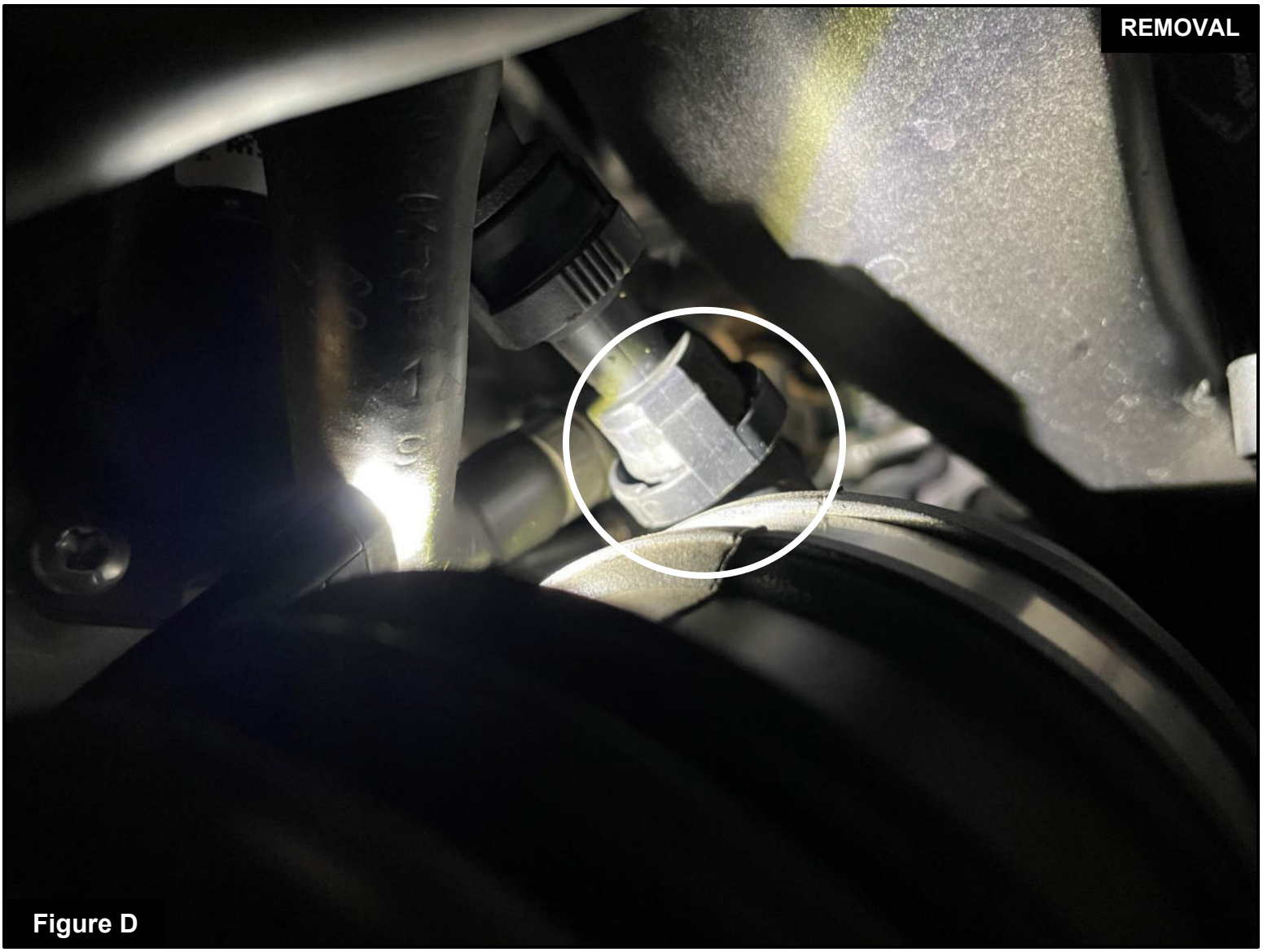

Figure D

Refer to Figure D for Step 11

Step 11: Disconnect the bottom half of the smaller CCV line from the factory intake tube. Do not disconnect the top half of the CCV line.

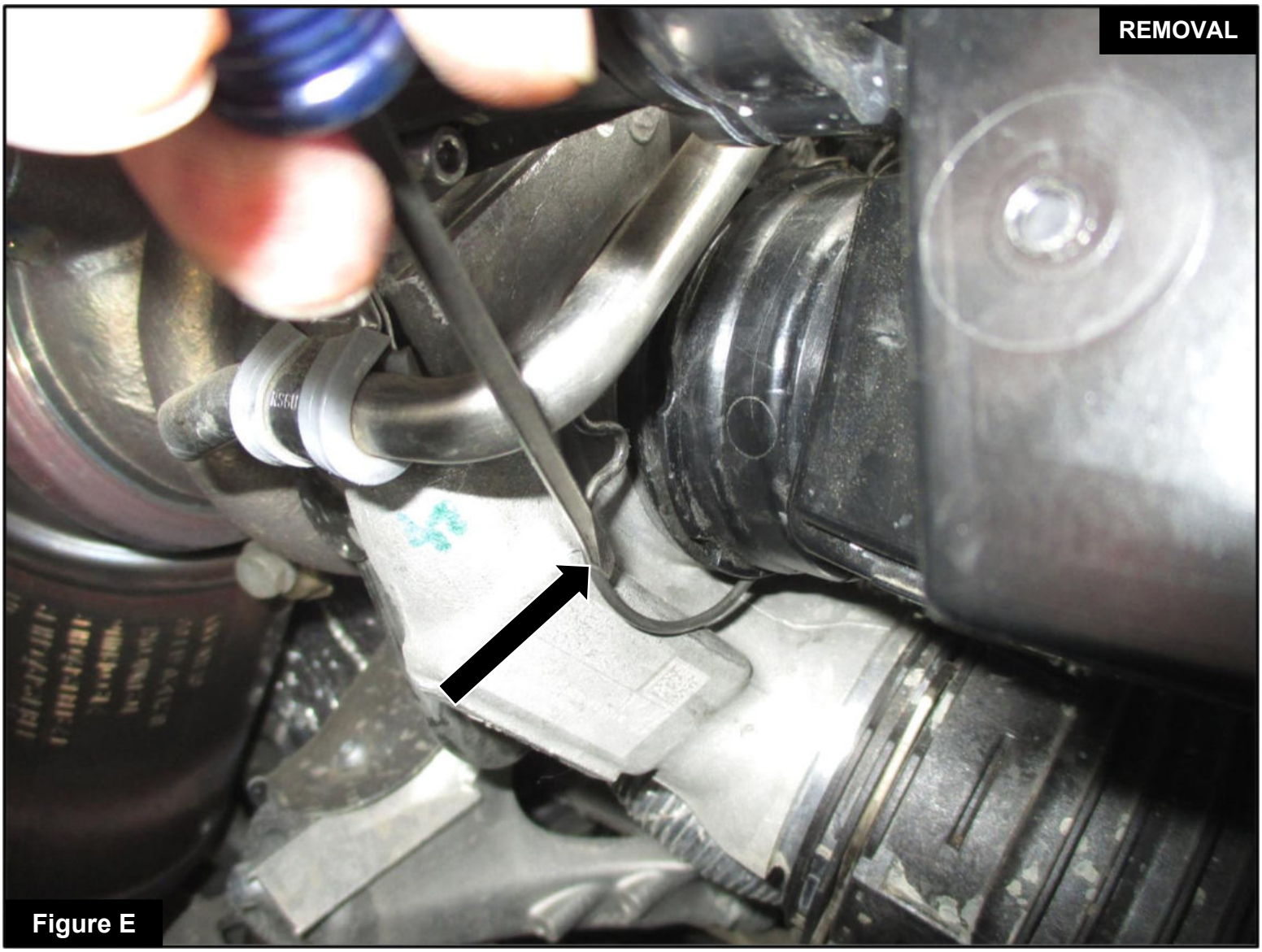

Figure E

Refer to Figure E for Step 12

Step 12: Remove the retention clip securing the factory intake tube to the turbo, then carefully pull the factory intake tube from the vehicle.

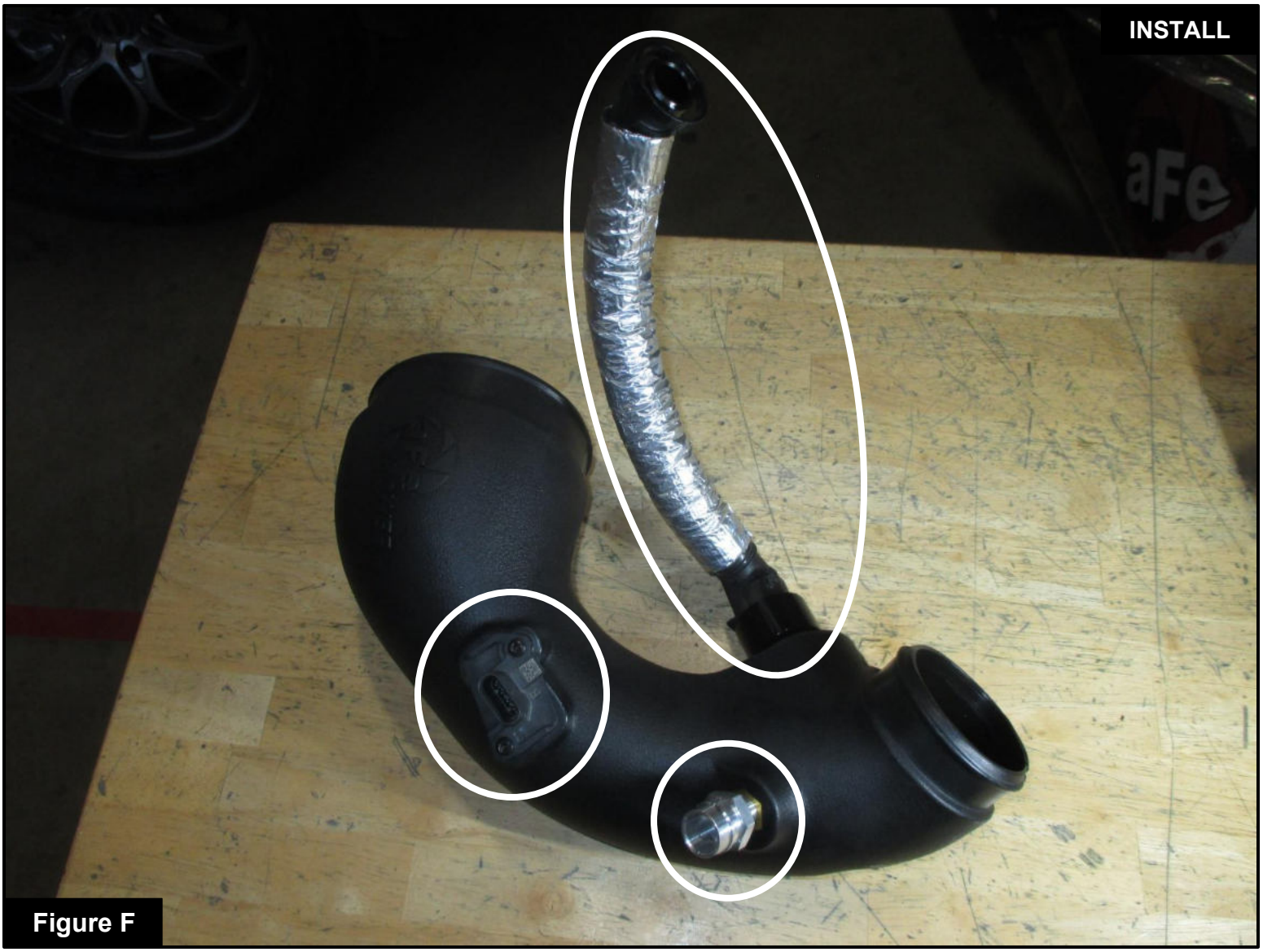

Figure F

Refer to Figure F for Steps 13-16

Step 13: Transfer the MAF sensor from the factory airbox to the aFe POWER intake tube and secure it with the supplied screws.

Step 14: Install the smaller CCV fitting into the NPT insert on the aFe POWER intake tube.

NOTE: This is an NPT fitting. The small gap between the tube and hex is normal.

Step 15: Install the larger CCV fitting by inserting the supplied grommet first, then the fitting into the aFe POWER intake tube.

Step 16: Transfer the larger CCV hose from the factory intake tube to the aFe POWER intake tube.

NOTE: Do not remove the factory O-ring. This will provide an air seal to the fitting.

Figure G

Refer to Figure G for Step 17

Step 17: Install the air filter into the aFe POWER housing by firmly pushing into the housing until the air filter tabs lock into place. Install the clamp over the air filter flange, but do not tighten at this time.

Figure H

Refer to Figure H for Step 18

Step 18: This kit includes an optional plug to close off the rear auxiliary air inlet. Install the plug if you wish to close it off, to only capture cold air from the front.

NOTE: Without the plug installed, the aFe POWER intake will capture the maximum air available. More airflow offers more power. Some of this air is picked up from inside the engine compartment and could be warmer air. Warmer air will affect the performance of the vehicle.

The plug installed on the housing will block off any hot engine air entering the housing to make sure the coolest air available is directed into the engine. The plug will also reduce the noise of the intake.

Figure I

Refer to Figure I for Steps 19-21

Step 19: Install the supplied coupling onto the turbo inlet and place the supplied clamps onto the coupling.

Step 20: 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 bead of the coupling sits correctly in the groove of the turbo inlet.

Step 21: When the coupling sits comfortably on the turbo inlet, tighten the clamp sitting over the coupling and the turbo inlet. Do not tighten the clamp at the open end of the coupling.

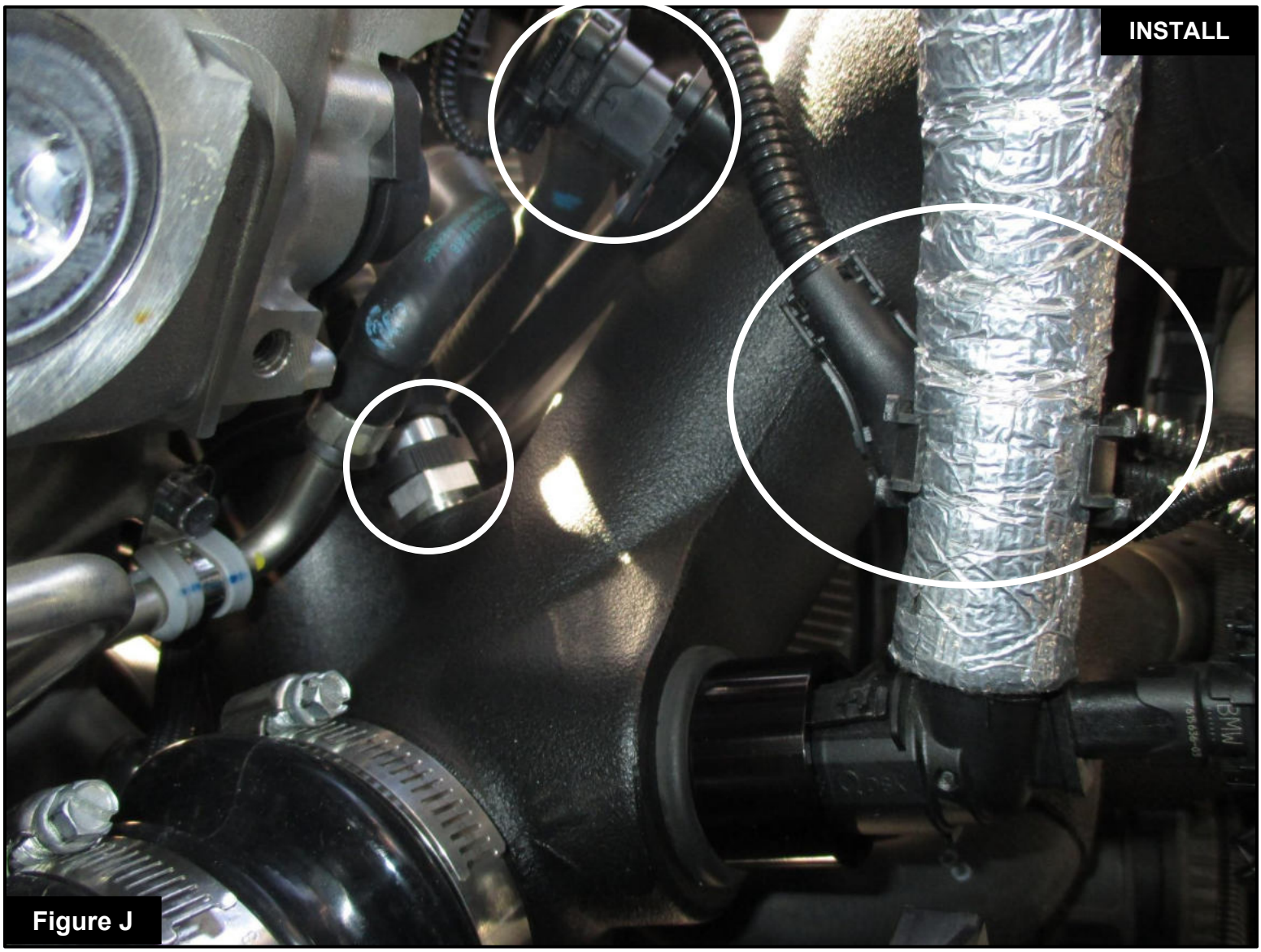

Figure J

Refer to Figure J for Steps 22-26

Step 22: Install the aFe POWER intake tube into the coupling. Do not tighten the clamp at this time.

Step 23: Connect the smaller CCV fitting.

NOTE: Do not remove the factory O-ring. This will provide an air seal to the fitting.

Step 24: Connect the MAF sensor to the sensor harness.

Step 25: Reattach the clip holding the multiple harnesses to the CCV hose from **Step 8**.

Step 26: Reconnect the sensors from **Step 9**.

Figure K

Refer to Figure K for Steps 27-33

Step 27: 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 28: Slip the aFe POWER intake tube into the air filter and tighten the clamp.

Step 29: Tighten the clamp between the aFe POWER intake tube and the coupling.

Step 30: Reconnect the larger CCV hose to the top of the engine from **Step 7**.

Step 31: Reinstall the engine cover.

Step 32: If the vehicle is equipped with a brace, re-install the brace from **Step 1**.

Step 33: Make sure all components and connections are secure. Your installation is now complete. Thank you for choosing aFe POWER!

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6/29/2022 JTP