

**advanced FLOW engineering** Cold Air Intake System

**Instruction Manual** P/N: 56-70049D / 56-70049R

Make: Subaru

Model: Forester

Year: 2014-2018

Engine: H4-2.0L (t)



- 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 5R)	TF-9029R
A2	1	Air Filter (Pro DRY S)	TF-9029D
B	1	Tube	05-5670049B1
C	1	Housing	05-5670049B2
D	2	Screw, Torx: M4x8mm	03-50491
E	2	Clamp, 048 (2-9/16" - 3-1/2 ")	03-50007
F	1	Coupling, Silicone Bellow Rdr (3x3-1/8)ID x 3"L	05-01400
G	1	Plug, Silicone Black: 2.25" Dia (Takeda)	05-01527
H	1	Screw, Flange Hex Head: M6 x 1.00 x 1.25mm	03-50774
J	1	Harness, MAF Extension	05-01359

**Installation will require the following tools:**

Panel clip remover, T-20 Torx driver, 8mm nut driver, #2 Phillips screwdriver, 10mm socket and driver, 10mm open wrench

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.

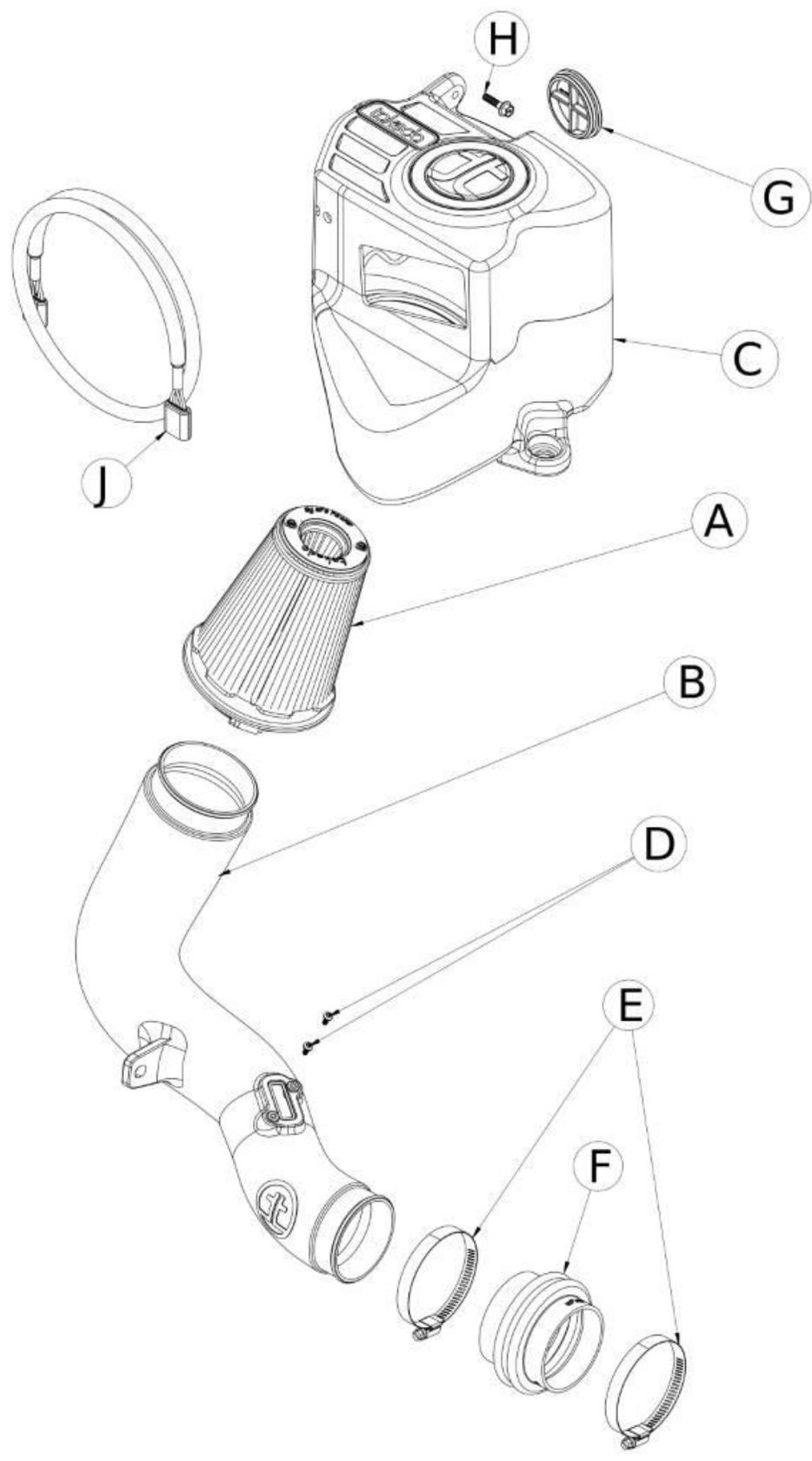




Figure A

**Refer to Figure A for Steps 1-2**

Step 1: Using a panel clip remover, remove the two clips ① that secure the air intake scoop ②.

Step 2: Remove the air intake scoop and set aside with the clips.

**Figure B****Refer to Figure B for Steps 3-6**

Step 3: Disconnect the MAF sensor (3).

Step 4: Using an 8mm nut driver, loosen the clamp (4) at the factory airbox.

Step 5: Disconnect the factory intake tube from the factory airbox.

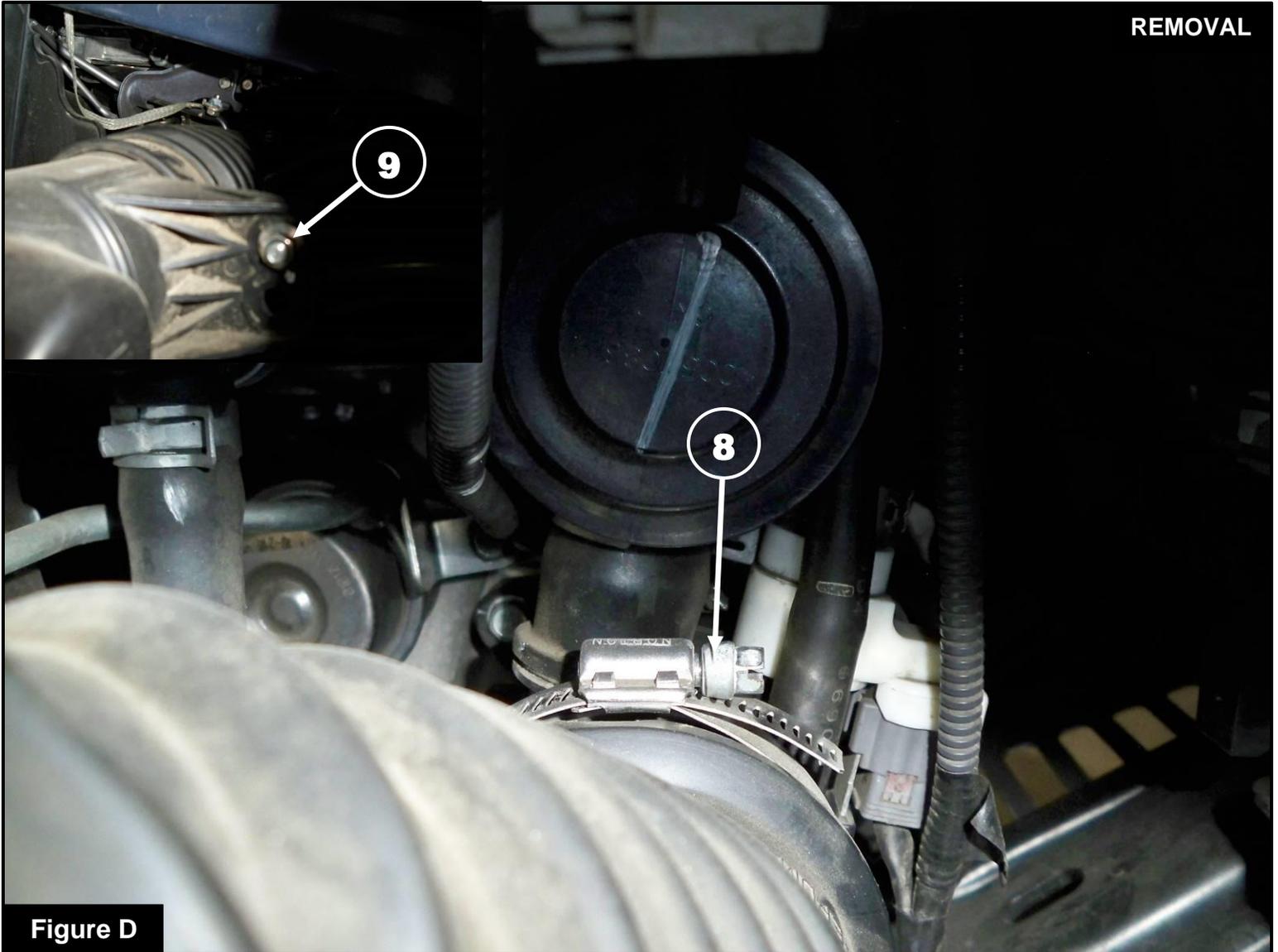
Step 6: Remove the clips (5) from the factory airbox and remove the rear section of the factory airbox with the air filter.

**Figure C****Refer to Figure C for Steps 7-9**

Step 7: Using a 10mm socket and driver, remove the screw (6) holding the factory airbox.

Step 8: Using a 10mm open wrench, remove the nut (7) holding the factory airbox.

Step 9: Remove the front half of the factory airbox.

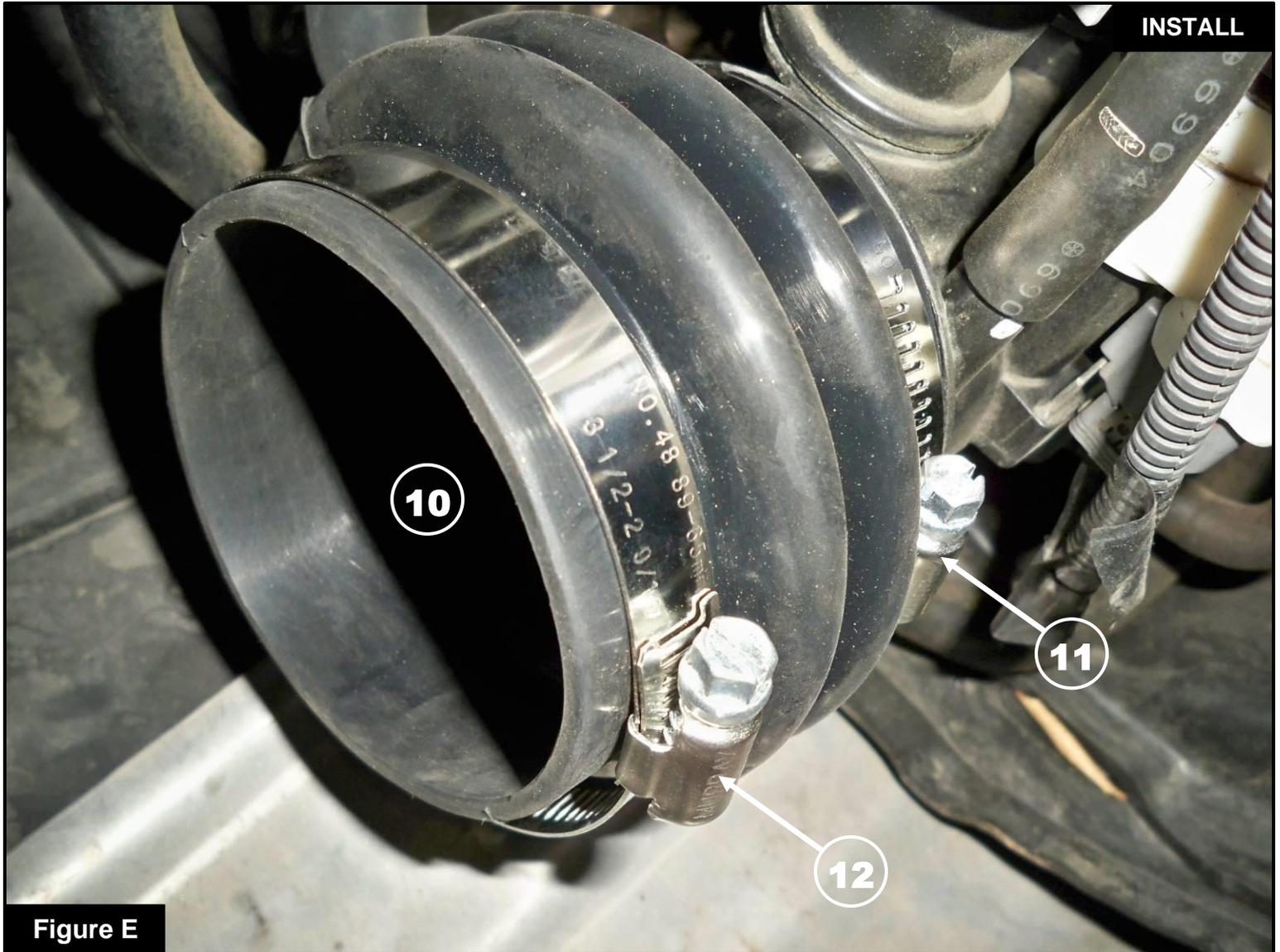


**Refer to Figure D for Steps 10-12**

Step 10: Using an 8mm nut driver, loosen the clamp (8) at the turbo inlet.

Step 11: Using a 10mm socket and driver, remove the nut (9) securing the factory intake tube.

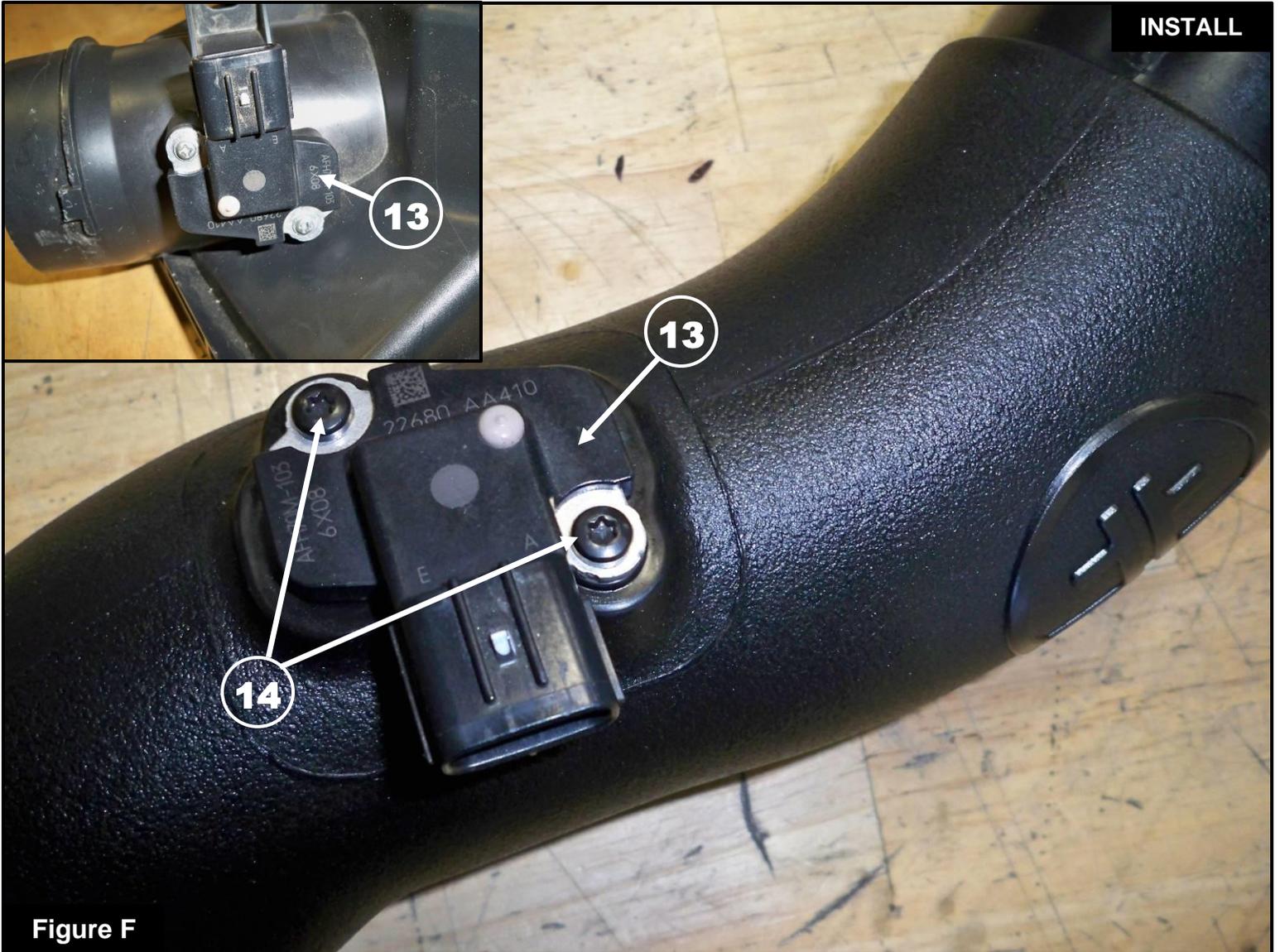
Step 12: Remove the factory intake tube.



**Refer to Figure E for Steps 13-14**

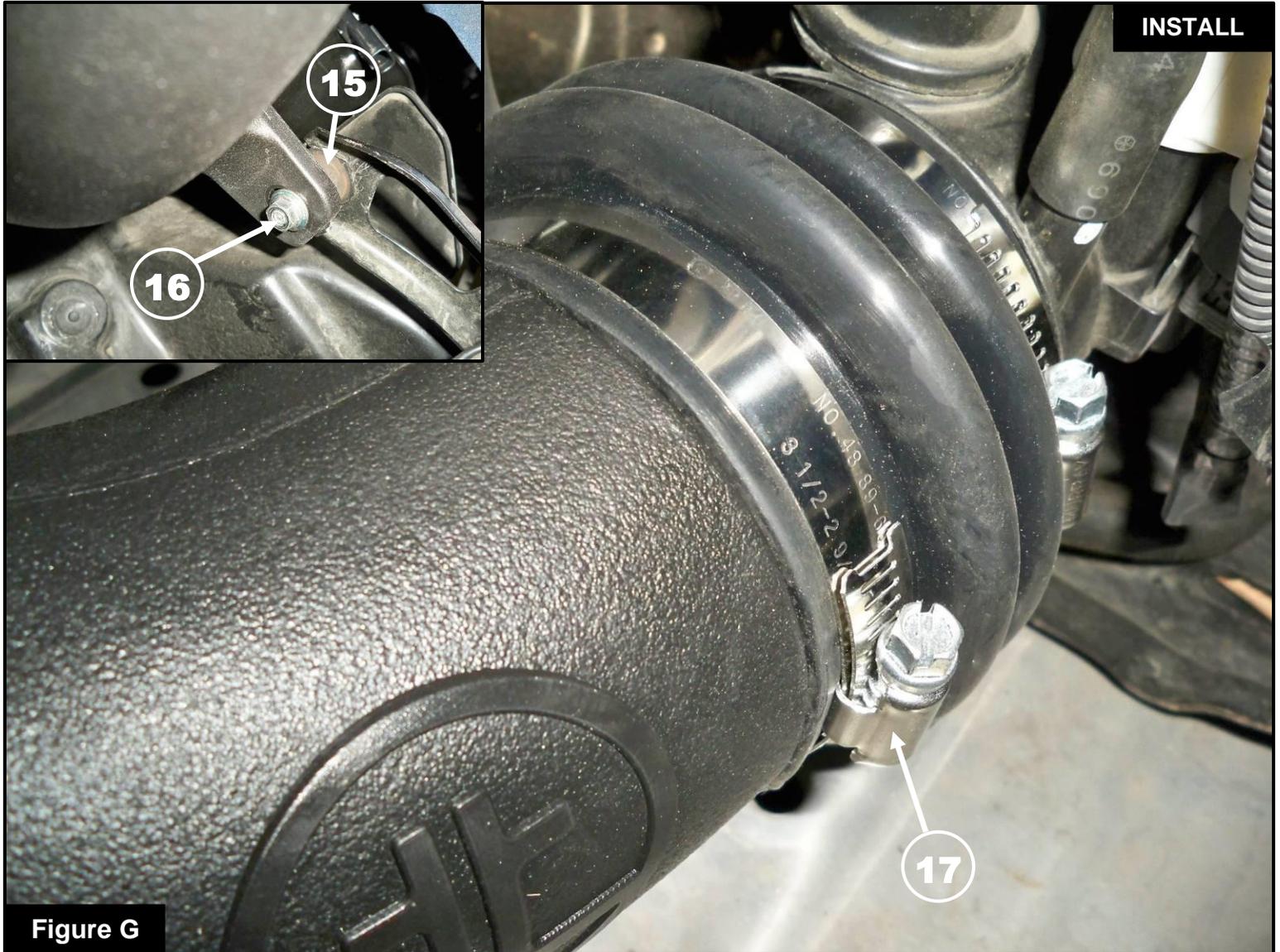
Step 13: Install the supplied coupling (05-01400) ⑩ with the smaller diameter side onto turbo inlet with the supplied #48 clamp ⑪ and tighten the clamp using an 8mm nut driver.

Step 14: Place the other supplied #48 clamp ⑫ onto the larger diameter end of the coupling.

**Figure F****Refer to Figure F for Steps 15-16**

Step 15: Using a #2 Phillips head screwdriver, remove the MAF sensor (13) from the factory airbox.

Step 16: Use a Torx T20 driver to install the MAF sensor on the Takeda intake tube with the supplied M4 screws (14).



**Figure G**

**Refer to Figure G for Steps 17-19**

Step 17: Install the Takeda intake tube into the coupling first and then attach the rubber isolator stud (15) through the mounting tab on the Takeda intake tube.

Step 18: Secure the Takeda intake tube using the nut (16) removed in Step 11, using a 10mm socket and driver tighten the nut.

Step 19: Using an 8mm nut driver, tighten the clamp (17) at the coupling.



### **Refer to Figure H for Steps 20-21**

Step 20: Install the Takeda filter with clamp onto the Takeda intake tube. Tighten the clamp using an 8mm nut driver.

Step 21: Connect the provided MAF harness extension to the factory harness (18) and connect the other end to the MAF sensor (19).

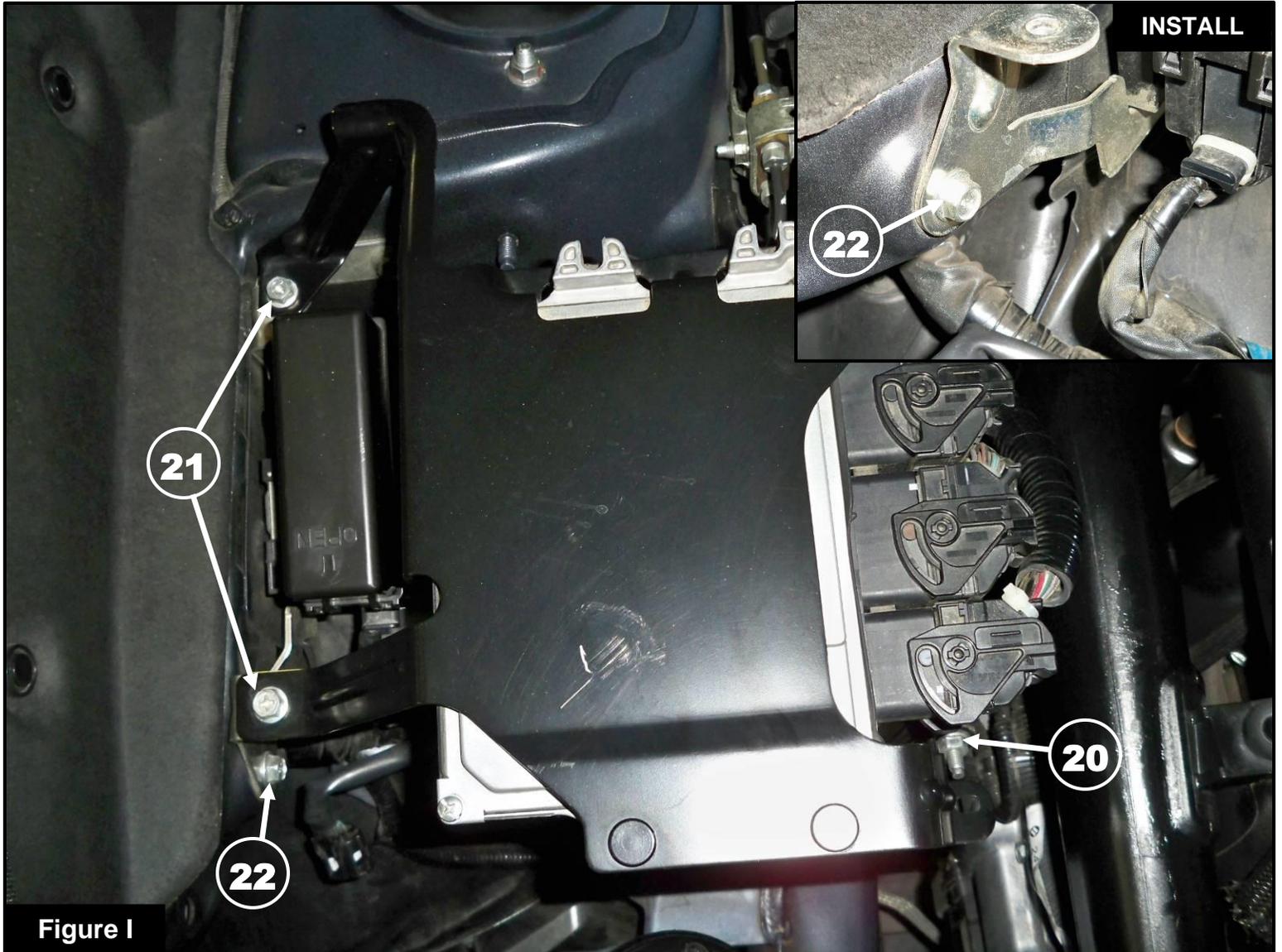


Figure I

**Refer to Figure I for Steps 22-23**

Step 22: Using a 10mm socket and driver, remove the nut (20) and two screws (21) securing the ECM bracket.

This allows more access when installing the Takeda housing.

Step 23: Using a 10mm socket and driver, remove the screw (22).

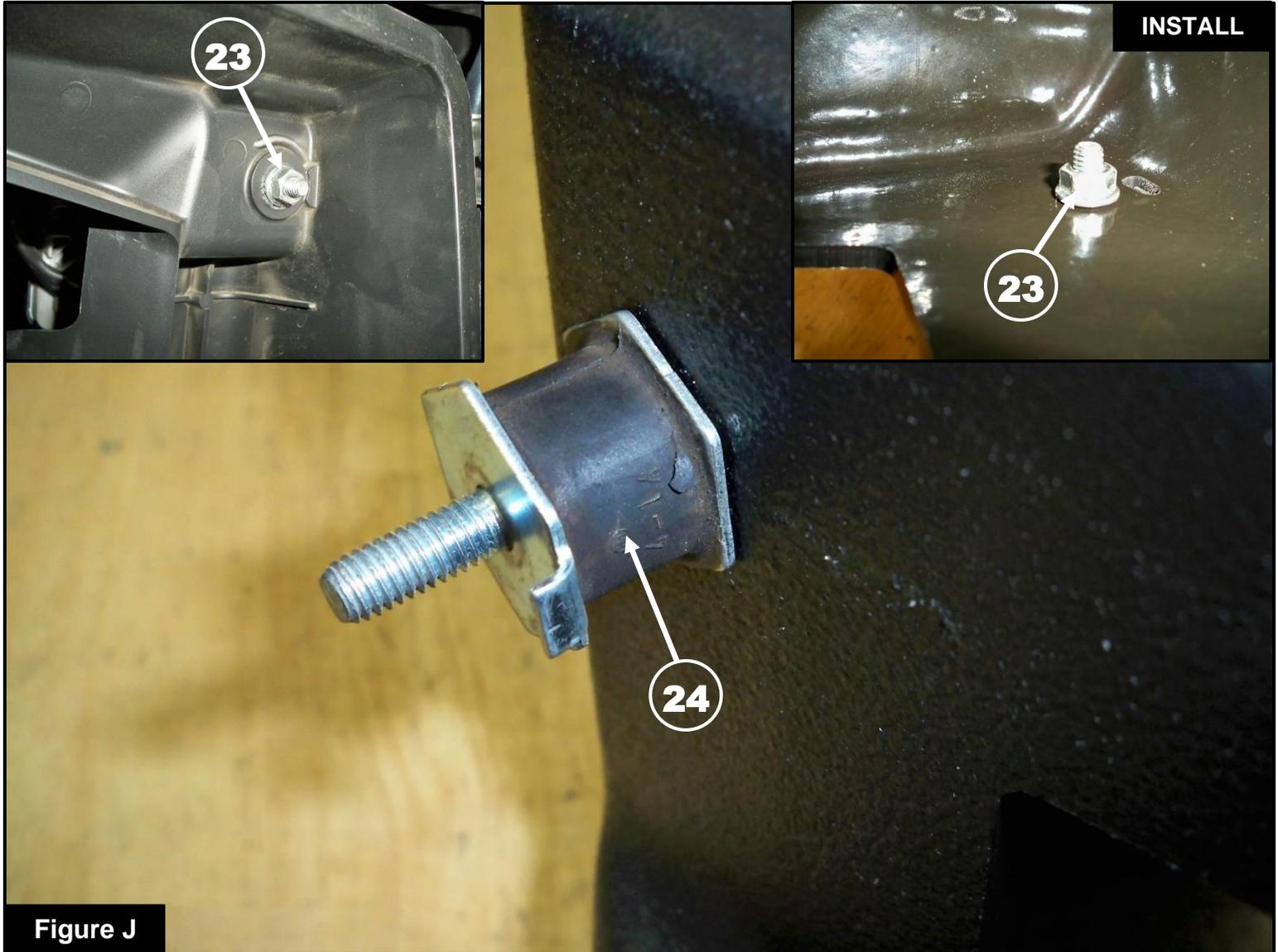


Figure J

**Refer to Figure J for Steps 24-25**

Step 24: Using a 10mm socket and driver, remove the nut (23) attaching the rubber isolator (24) to the factory airbox.

Step 25: Transfer the rubber isolator and nut to the Takeda housing as shown.



Figure K

**Refer to Figure K for Steps 26-27**

Step 26: Remove the metal sleeve and isolator (25) from the factory airbox. Note that the thicker side of the isolator faces the bottom of the housing.

Step 27: Install the metal sleeve and isolator into the Takeda housing as shown.


**Figure L**

### **Refer to Figure L for Steps 28-31**

- Step 28: Install the Takeda housing onto the Takeda air filter and make sure the filters snaps in place.
- Step 29: Install the stud from the rubber isolator through the bracket hole and install the nut (26) removed in Step 8. Do not fully tighten at this point.
- Step 30: Install the screw (27) removed in Step 7. Do not fully tighten at this point.
- Step 31: Use the provided screw (28) to secure the housing. Use a 10mm socket and driver and tighten the two screws and nut.



Figure M

**Refer to Figure M for Steps 32-33**

Step 32: Install the nut (29) and two screws (30) removed in Step 22 to secure the ECM bracket. Use a 10mm socket and driver to tighten them

Step 33: Install the Takeda plug (31) on the back side of the Takeda housing as shown.

NOTE: This plug is accessible to be removed and installed at any time to increase airflow and engine sound if desired.



Figure N

**Refer to Figure N for Steps 34-35**

Step 34: Install the air intake scoop using the clips ③② removed in Step 1.

Step 35: Check all the components are tight and 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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