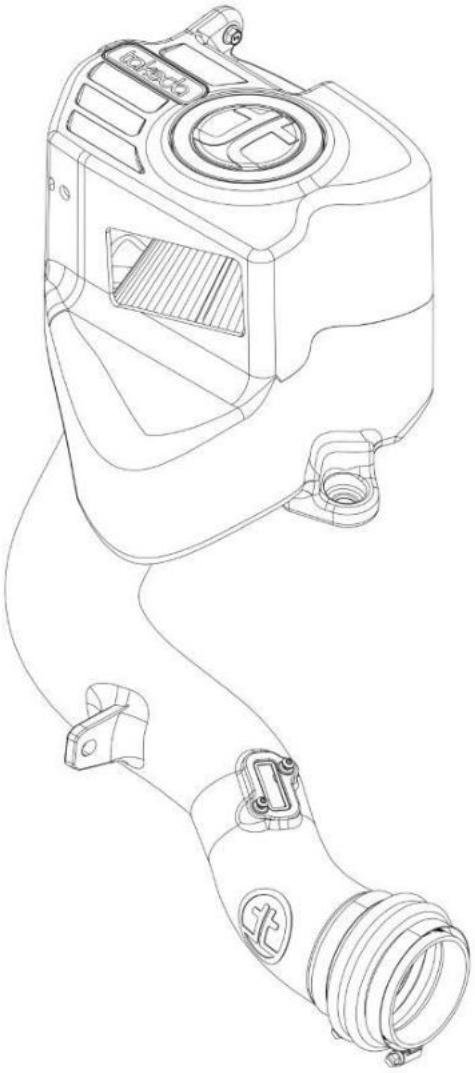

# advanced FLOW engineering Cold Air Intake System

## 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.

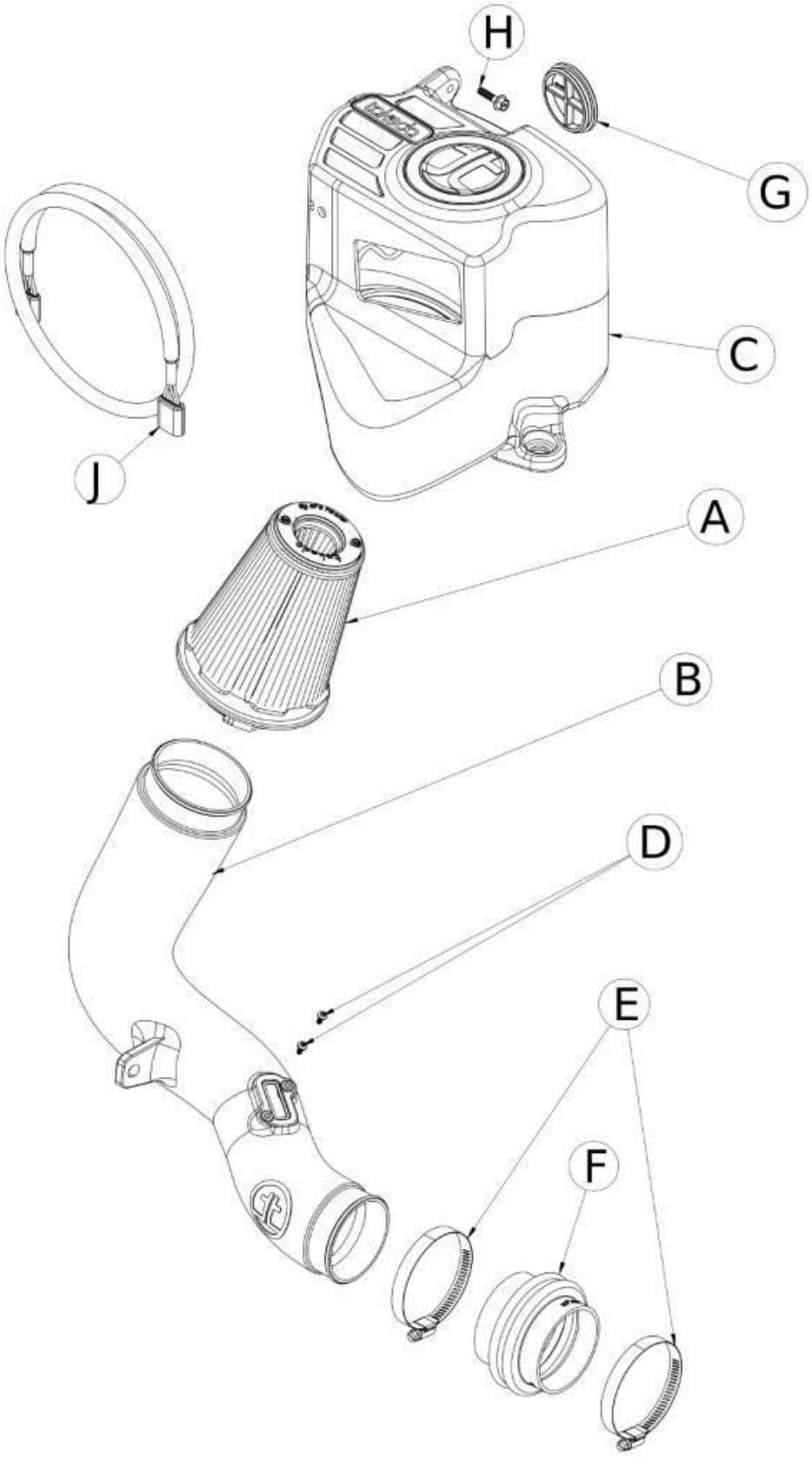
H
G
C
J
A
B
D
E
F


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.

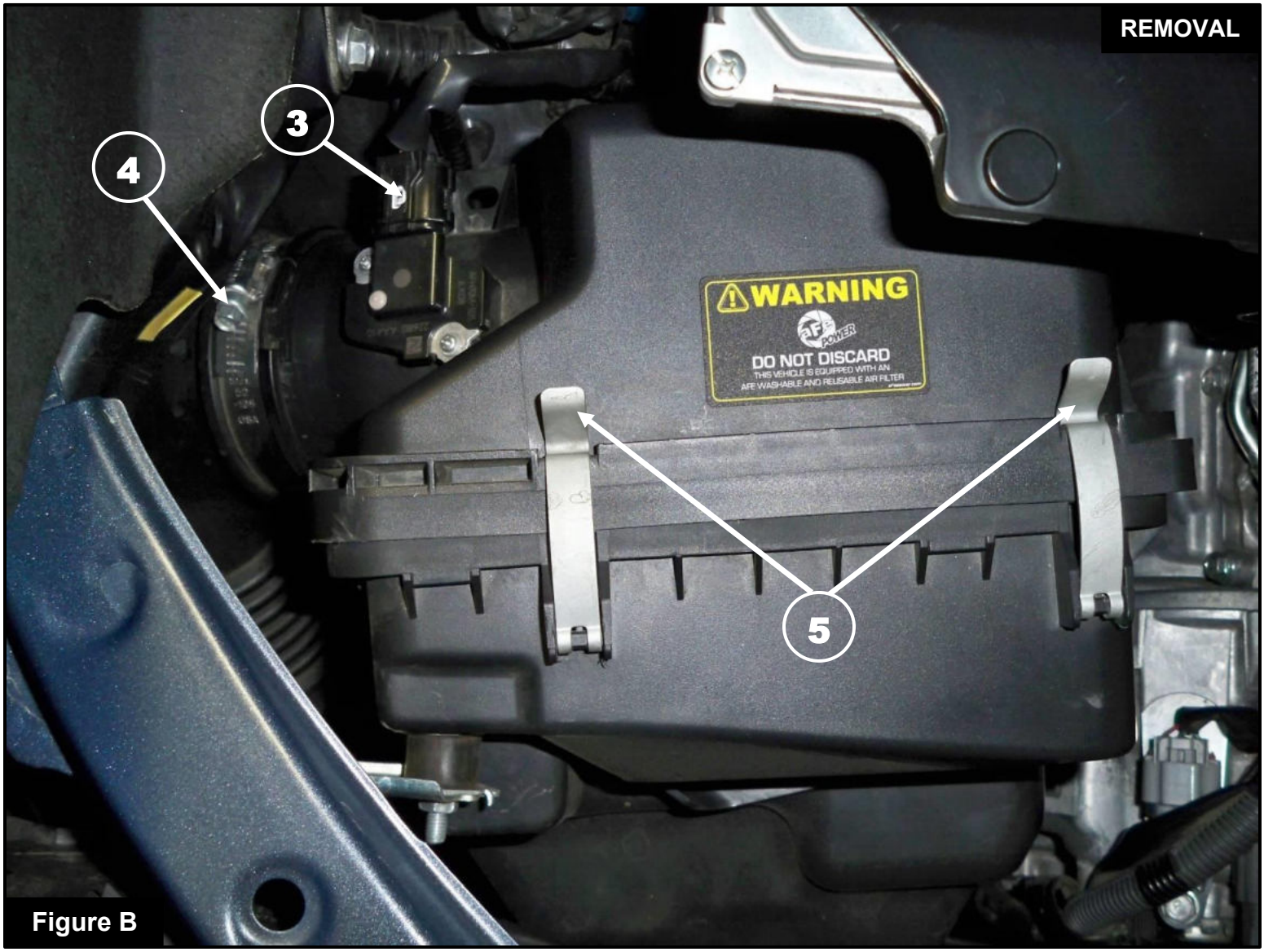


Figure B

## 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.

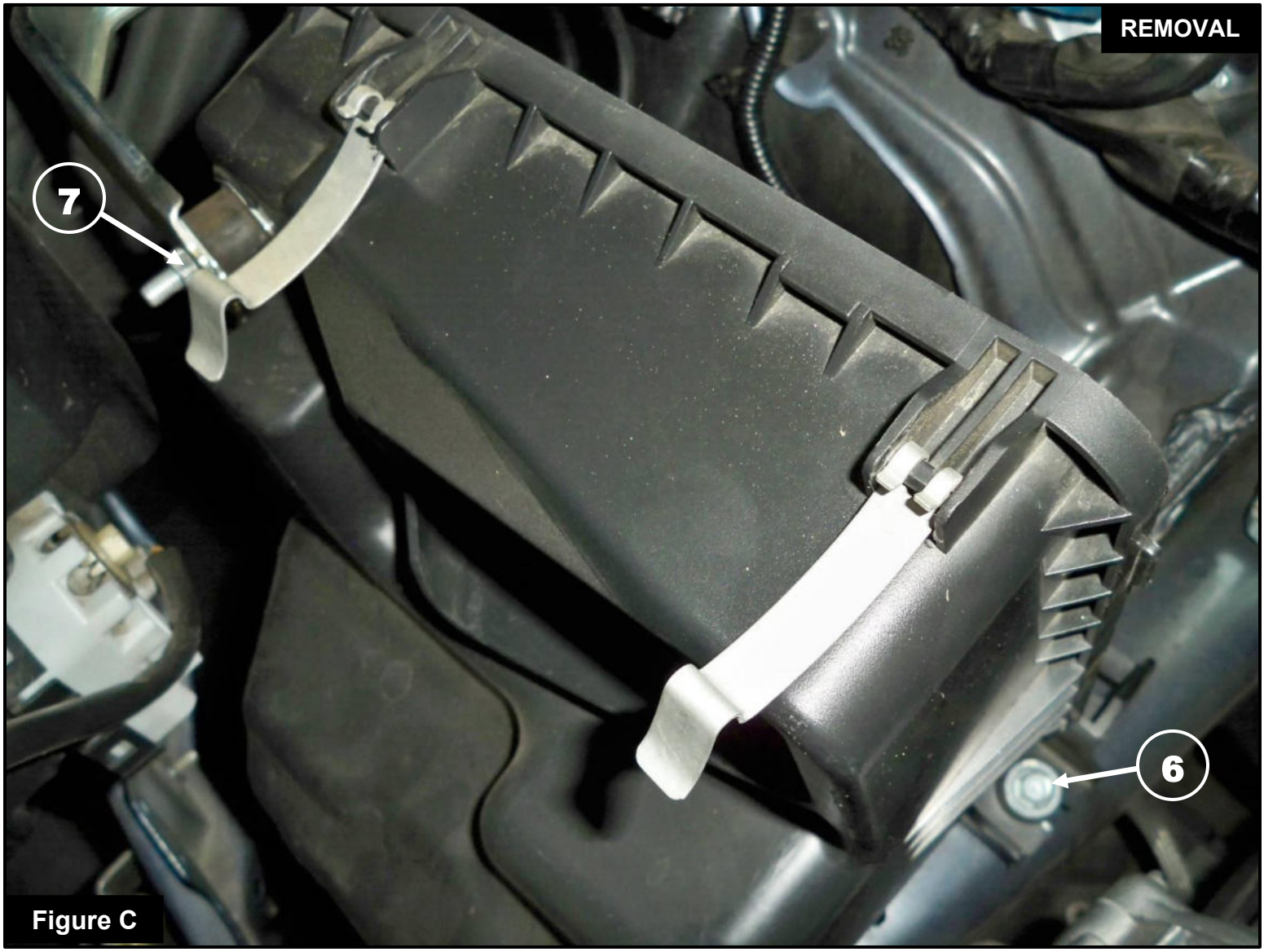

Figure C

## 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.

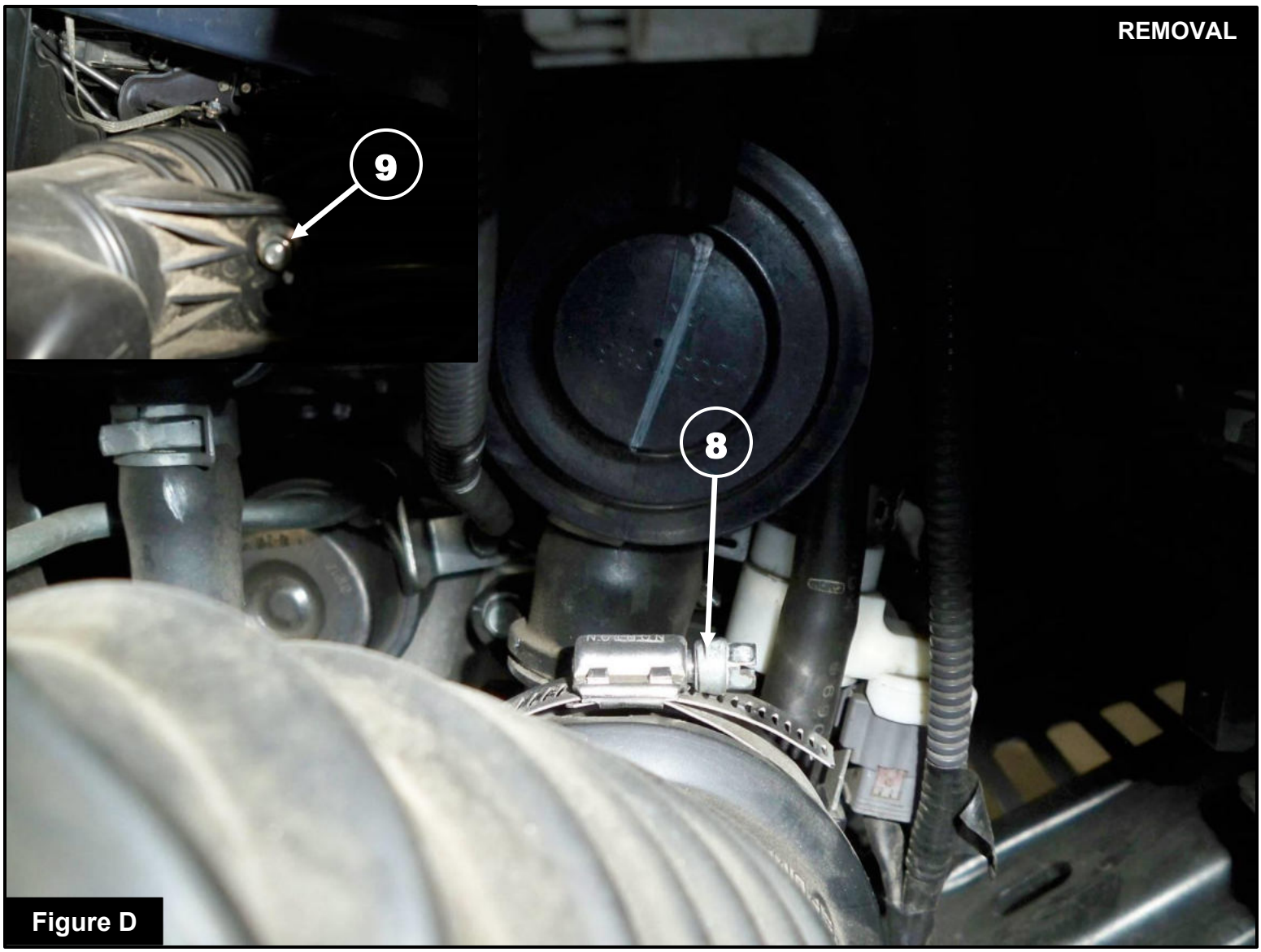


Figure D

## 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.

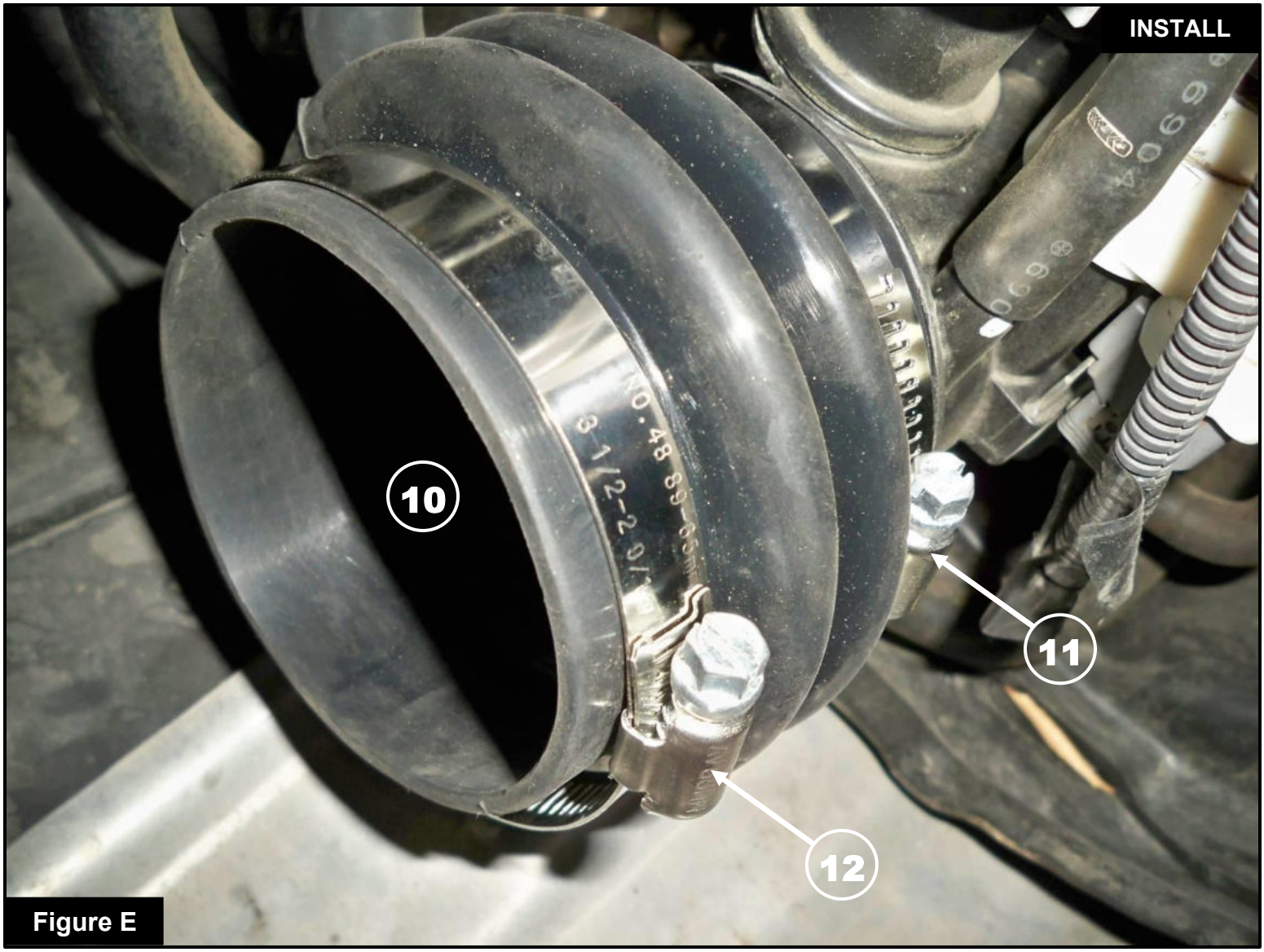


Figure E

## 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.

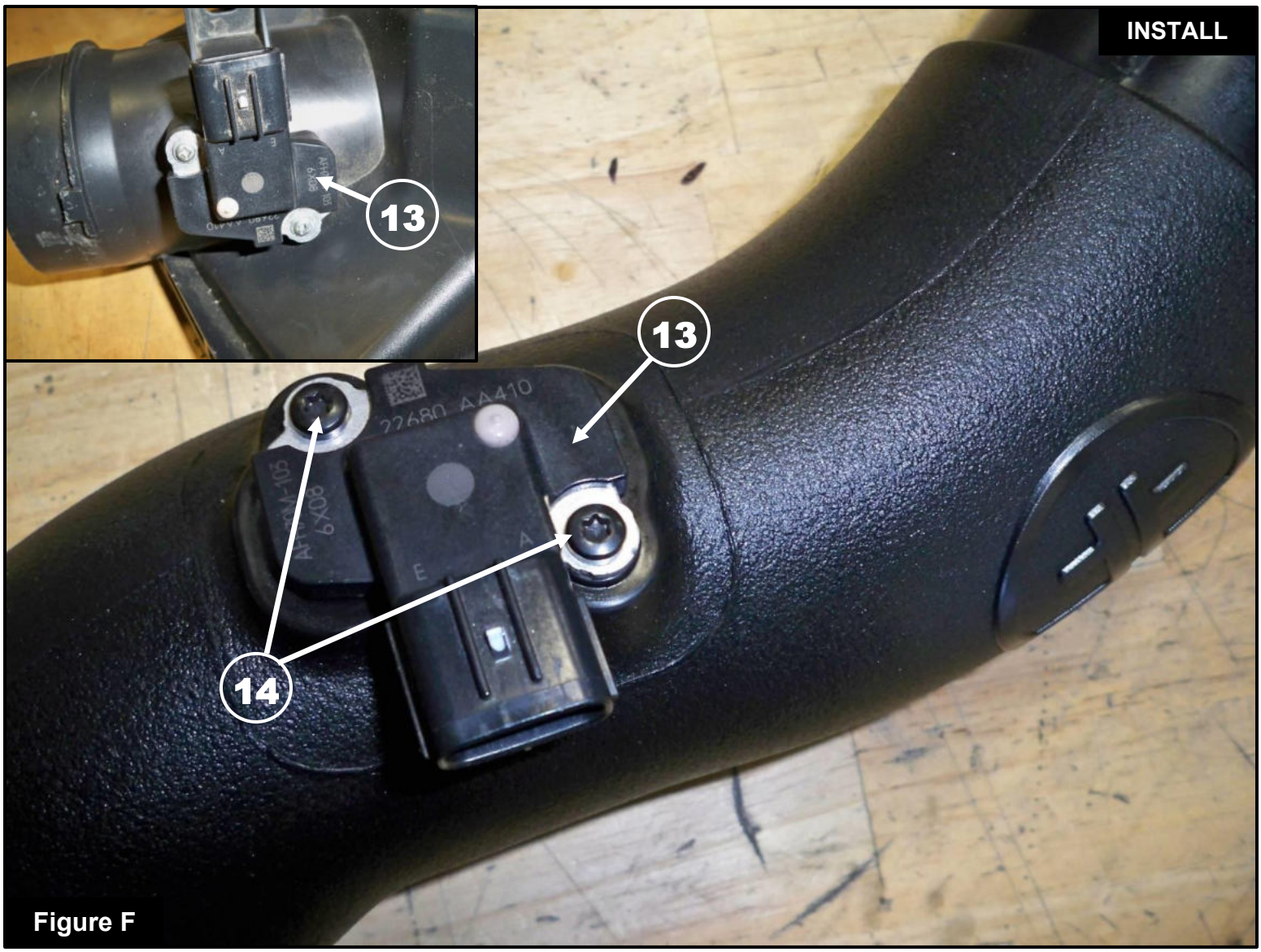


Figure F

## 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).

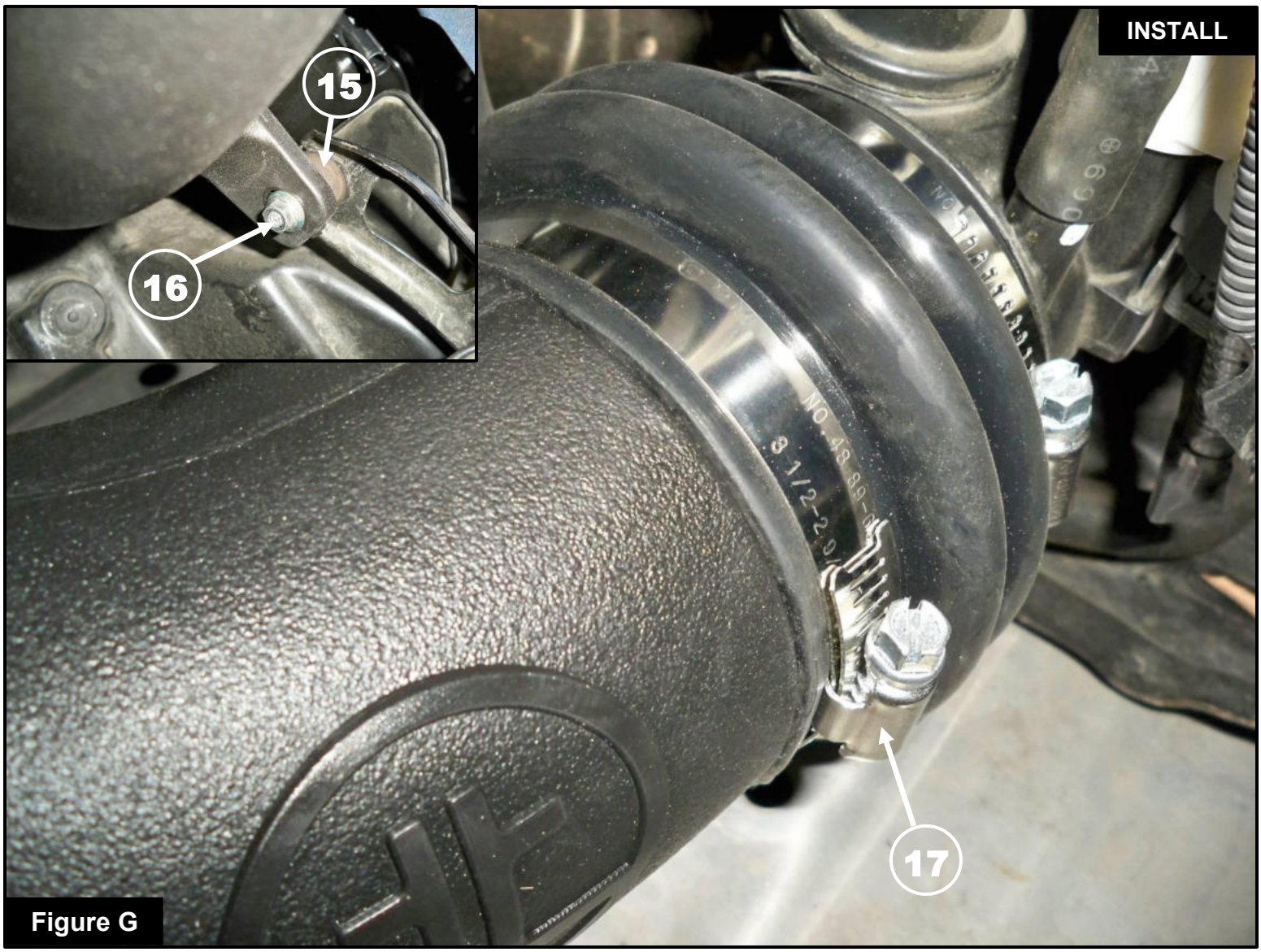


Figure G

## 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) throught 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.

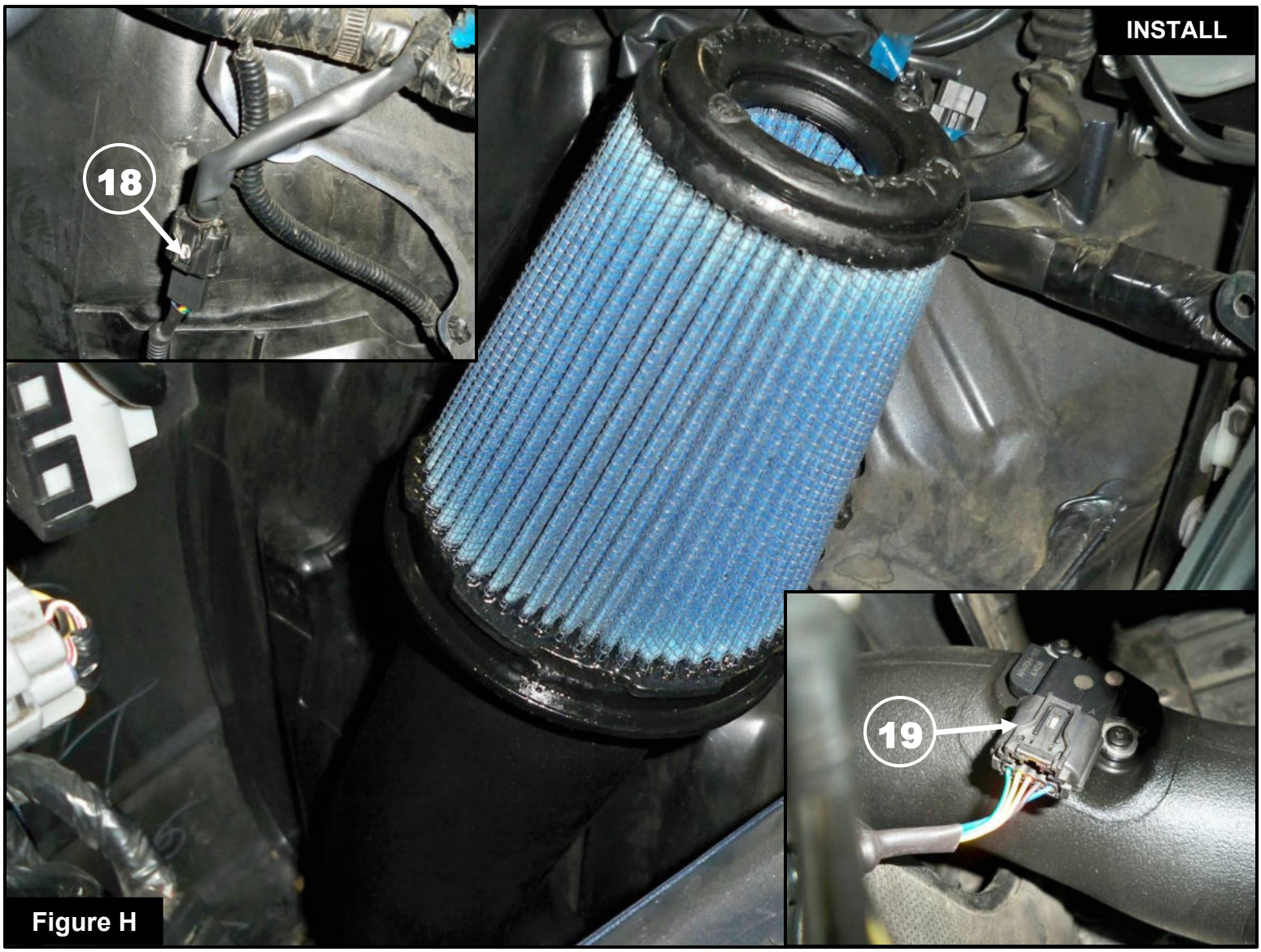


Figure H

## 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).

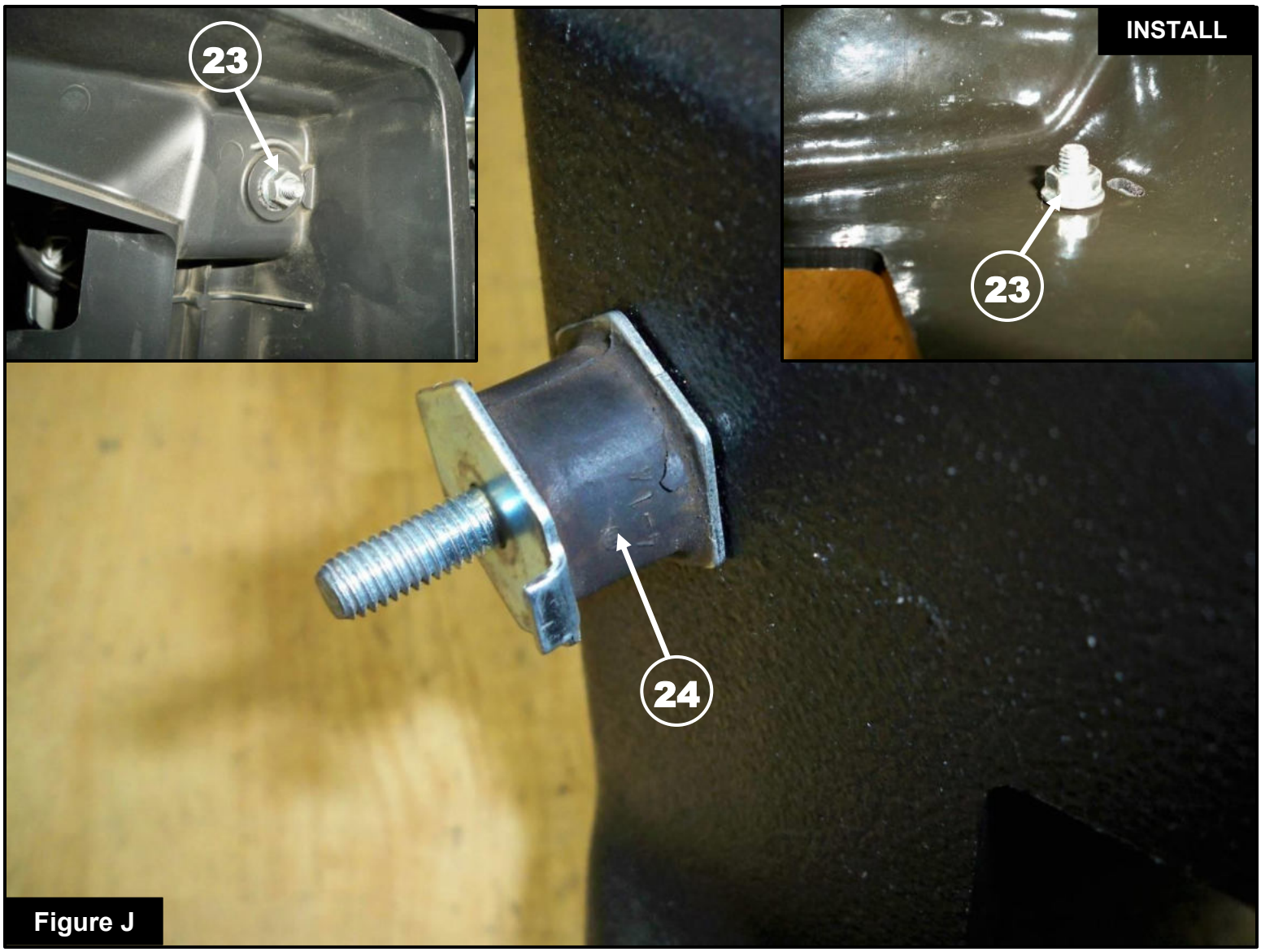


Figure J

## 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.

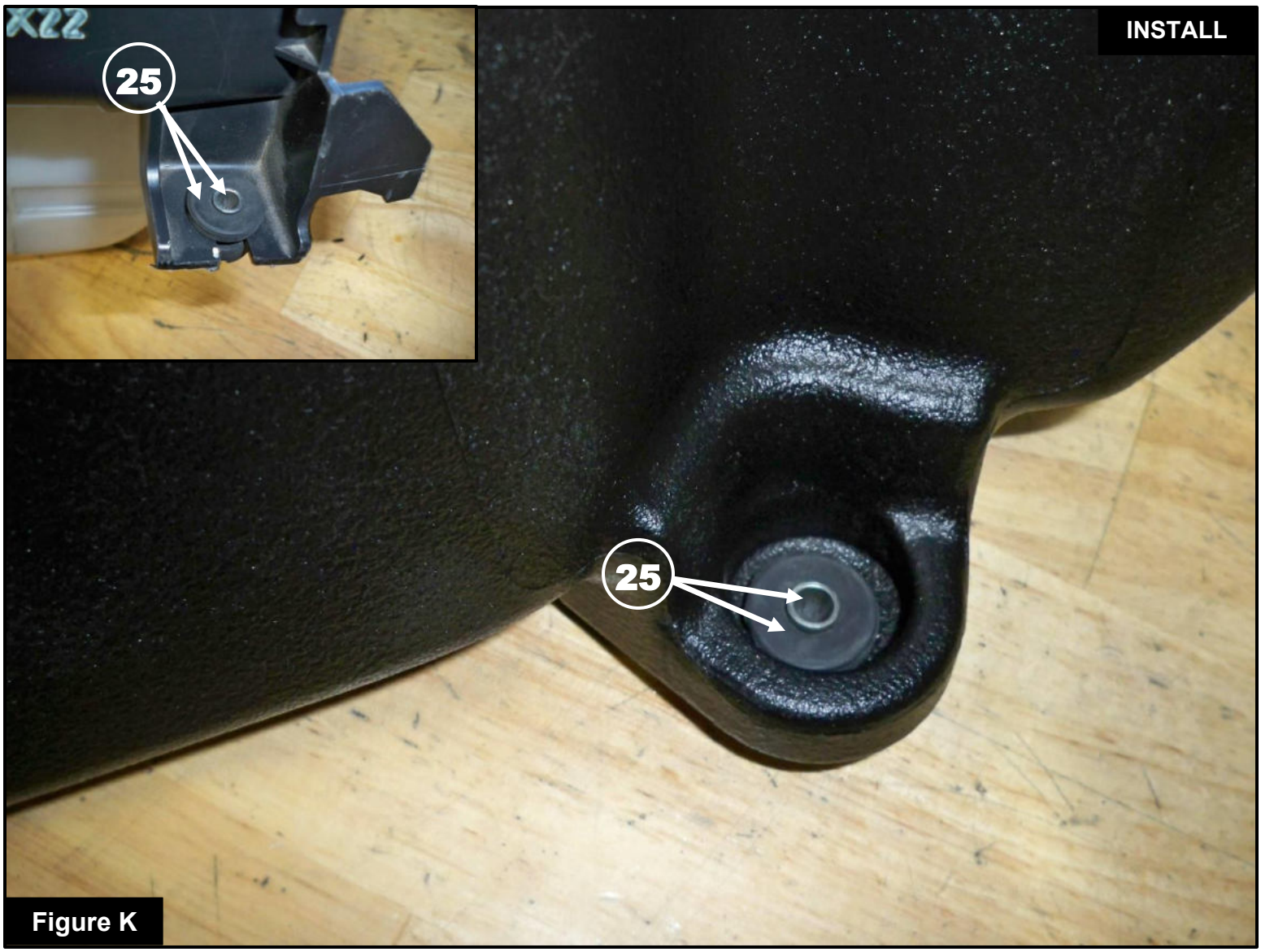

Figure K

## 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: Installl 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.

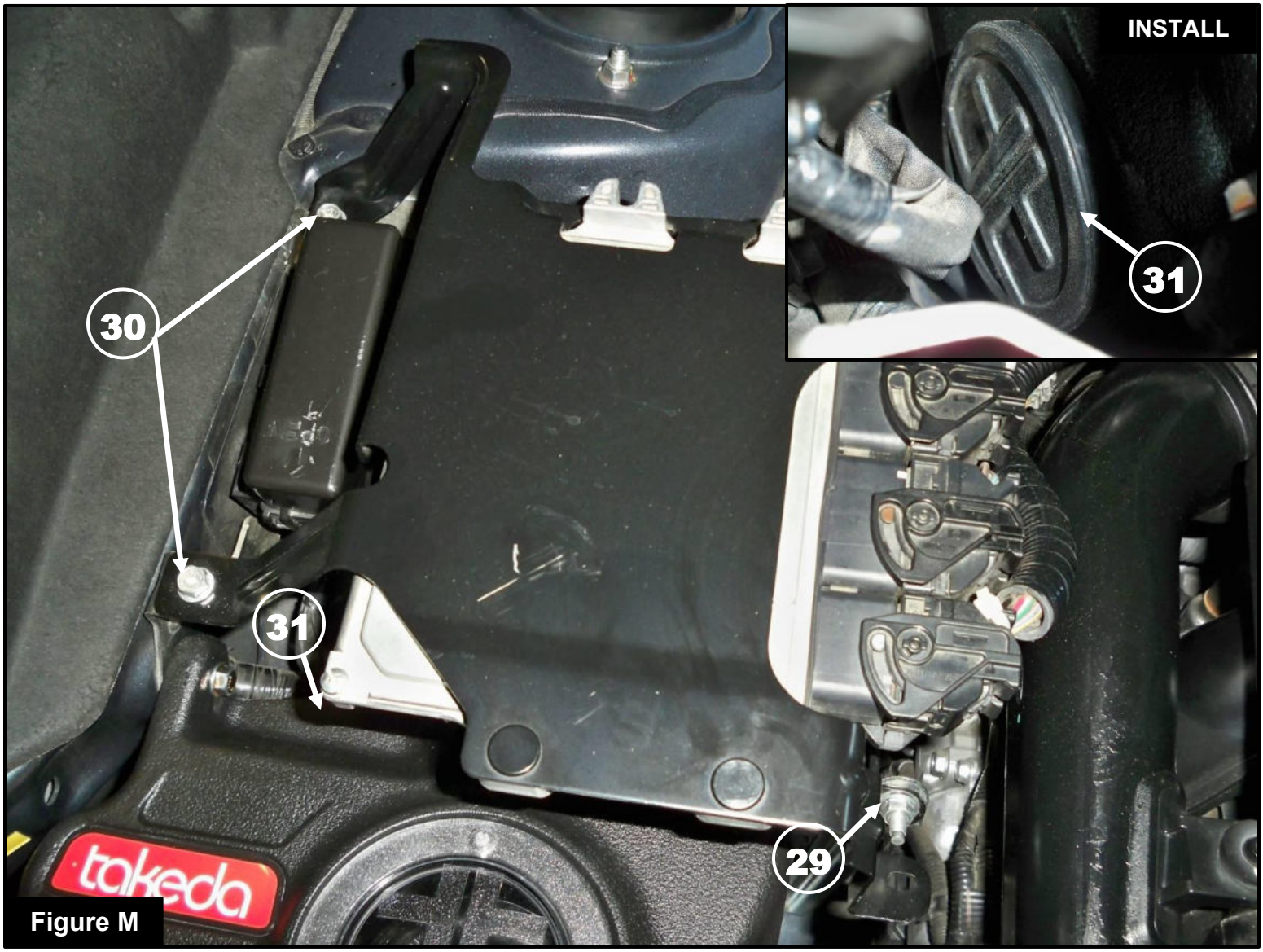

Figure M

## 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.**

**Page left blank intentionally**

**Page left blank intentionally**


advanced FLOW engineering, inc.
252 Granite Street Corona, CA 92879
TEL: 951.493.7100 • TECH: 951.493.7134
E-Mail:Tech@aFepower.com