

advanced FLOW engineering Takeda Momentum Cold Air Intake System

Instruction Manual P/N: 56-70042D / 56-70042R

Make: Subaru
Make: Subaru

Model: Forester
Model: Crosstrek

Year: 2019-2023
Year: 2021-2023

Engine: H4-2.5L
Engine: H4-2.5L



- 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	Air Filter (Pro 5R)	R24-90101
A	1	Air Filter (Pro DRY S)	R21-90101
B	1	Tube 1 of 2	05-5670042B1
C	1	Tube 2 of 2	05-5670042B2
D	1	Housing	05-5670042B3
E	1	Coupling, Silicone Bellows: 3-1/4"ID x 3"L	05-01480
F	1	Coupling, Silicone Hump: 3"ID x 3"L	05-01593
G	2	Clamp 044	03-50019
H	2	Clamp 048	03-50007
J	2	Screw, Torx: M4	03-50491
K	1	Takeda Plug	05-01527
M	1	Push Clip	03-50773

Installation will require the following tools:

Flat head screwdriver (or panel clip removal tool), pliers, T20 Torx driver, 10mm wrench, 7mm, 8mm, and 10mm nut drivers.

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.

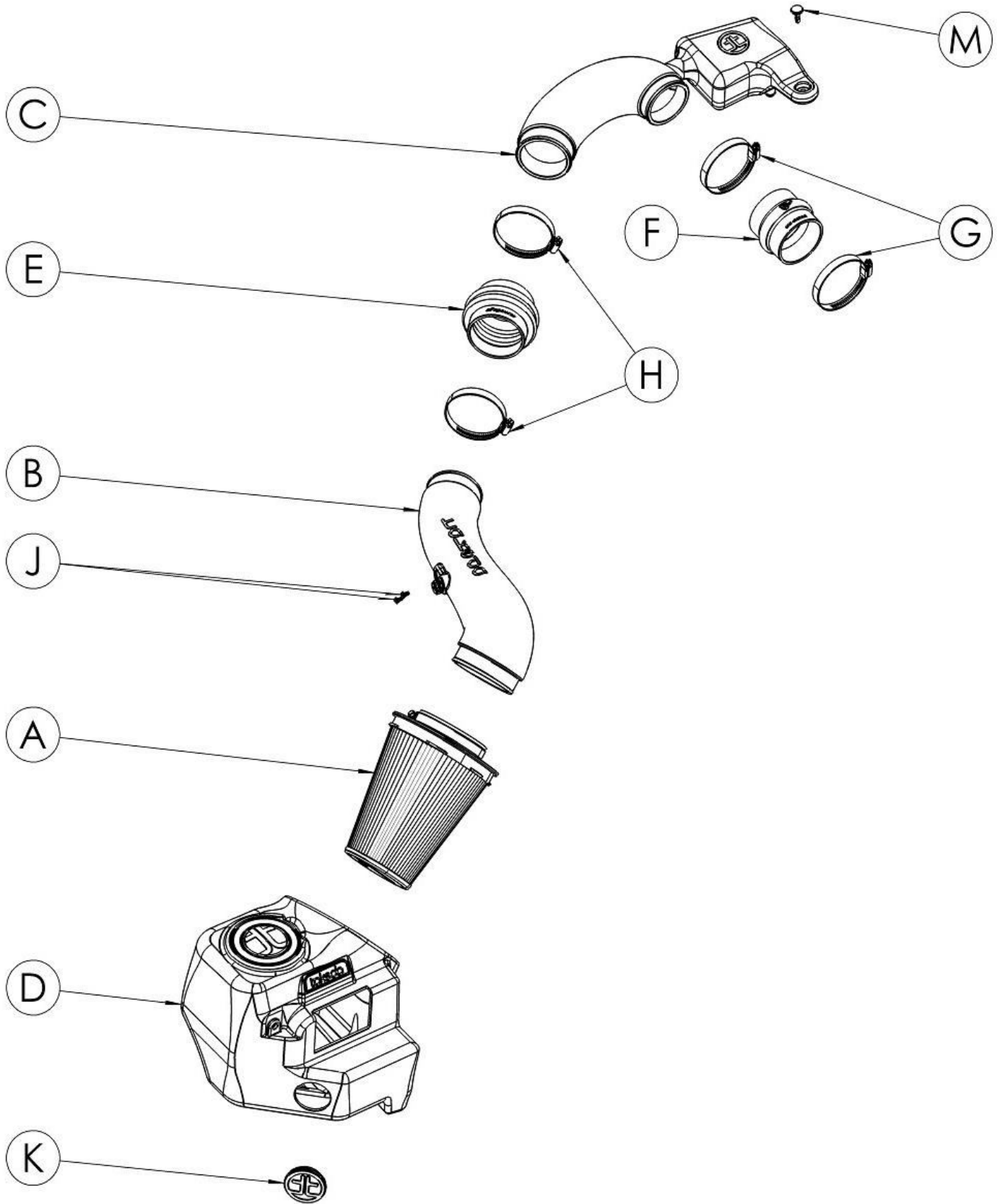


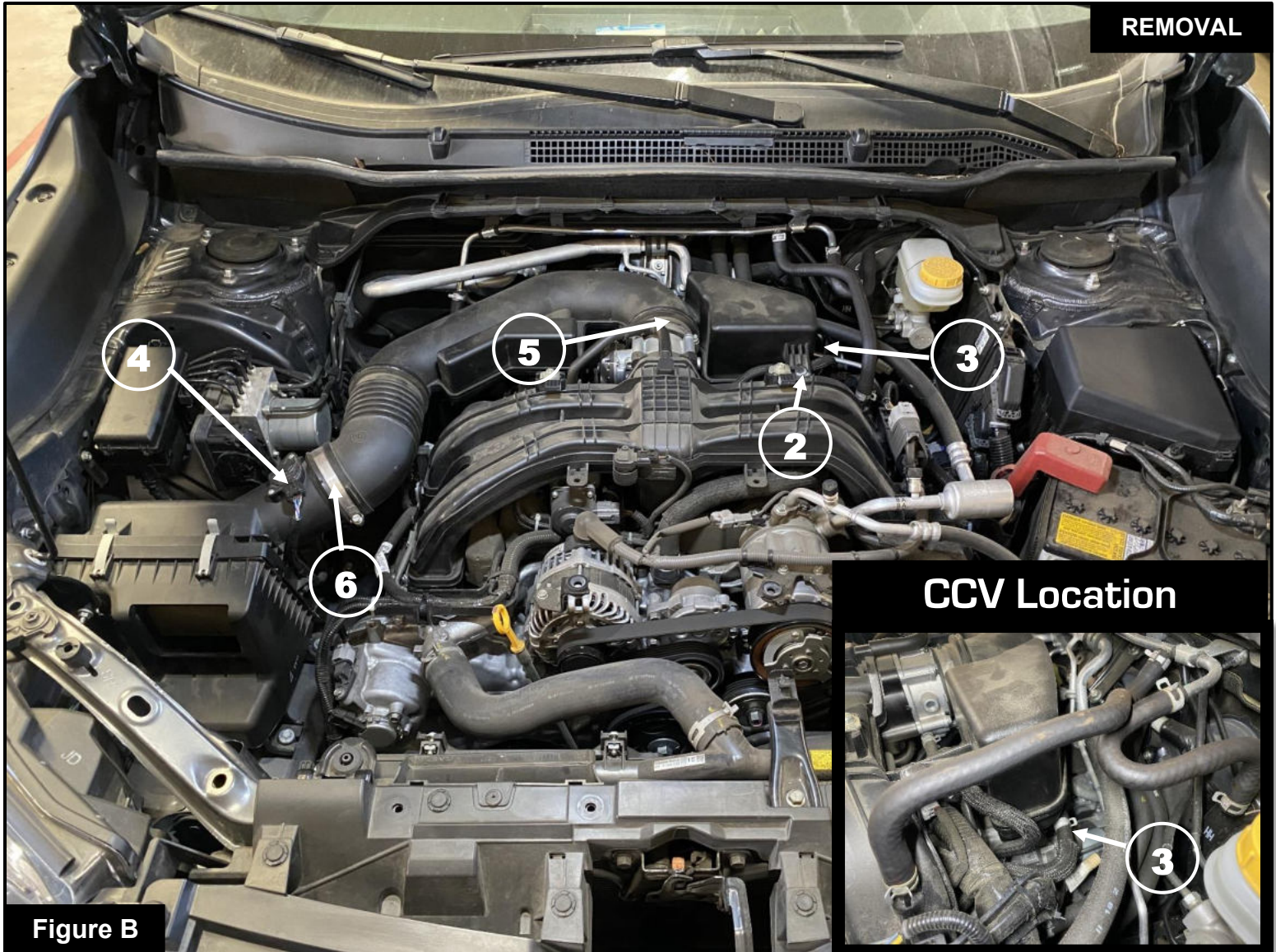

Figure A

Refer to Figure A for Steps 1-3

Step 1: Lift up and release the engine cover from the rubber grommets. Remove the engine cover.

Step 2: Using a flat head screwdriver or panel clip removal tool, remove the two panel clips ① holding on the air scoop.

Step 3: Remove the air scoop from the vehicle and set aside.



REMOVAL

CCV Location

Figure B

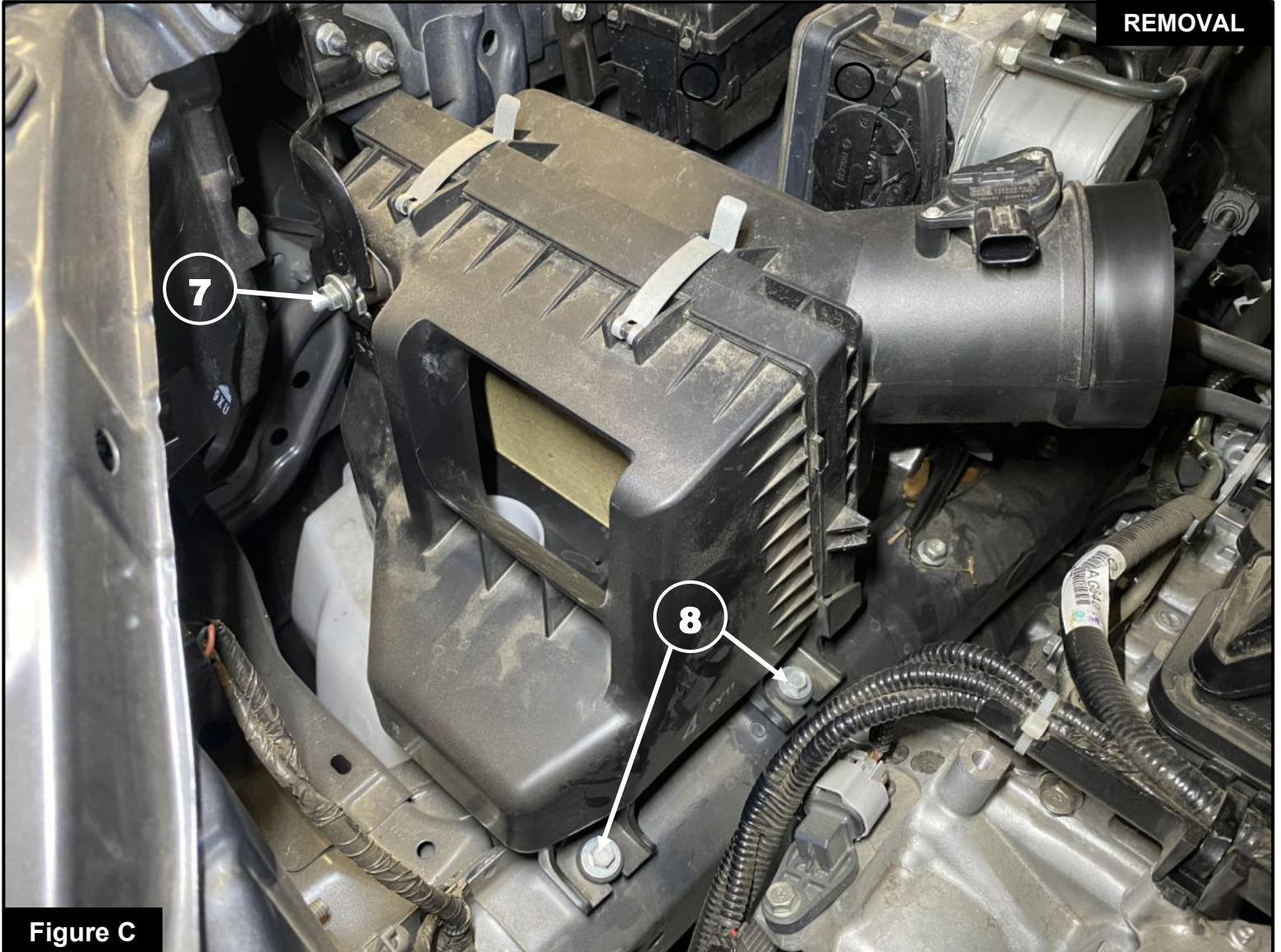
Refer to Figure B for Steps 4-7

Step 4: Using a flat head screwdriver or panel clip removal tool, remove the panel clip (2) from the intake tube mount.

Step 5: Using a pair of pliers, squeeze the spring clamp (3) and remove the crank case vent hose from the intake tube.

Step 6: Disconnect the Mass Air Flow (MAF) sensor harness (4).

Step 7: Using a 7mm nut driver, loosen the clamps at the throttle body (5) and at the airbox (6). Remove the intake tube from the vehicle.

**Figure C****Refer to Figure C for Steps 8-10**

Step 8: Using a 10mm wrench, remove the nut (7) on the isolation mount.

Step 9: Using a 10mm nut driver, remove the two screws (8) from the airbox mounts.

Step 10: Lift up on the airbox and remove from the vehicle.


Figure D

Refer to Figure D for Steps 11-13

Step 11: Locate the two mounting bushings (9). Remove the bushings by pushing out the steel inserts and removing the rubber bushings from the airbox. Set aside the steel inserts and bushings for later use.

Step 12: Separate the airbox by releasing the two spring clamps.

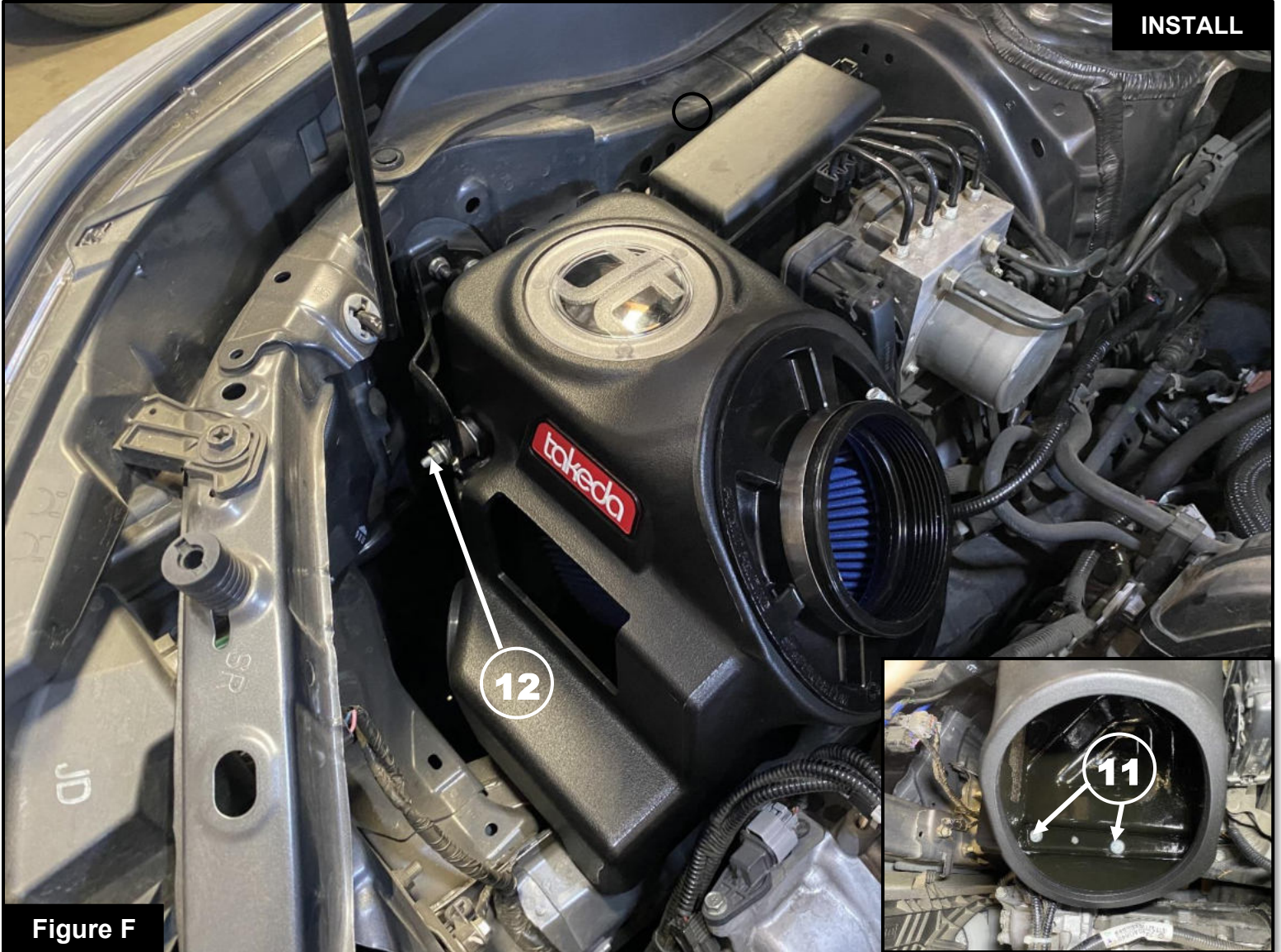
Step 13: Using a 10mm nut driver, remove the nut on the isolation mount (10) on the inside of the airbox. Set aside the nut and isolation mount for later use.

**Figure E****Refer to Figure E for Step 14-15**

Step 14: Install the bushings and steel inserts removed in step 10.

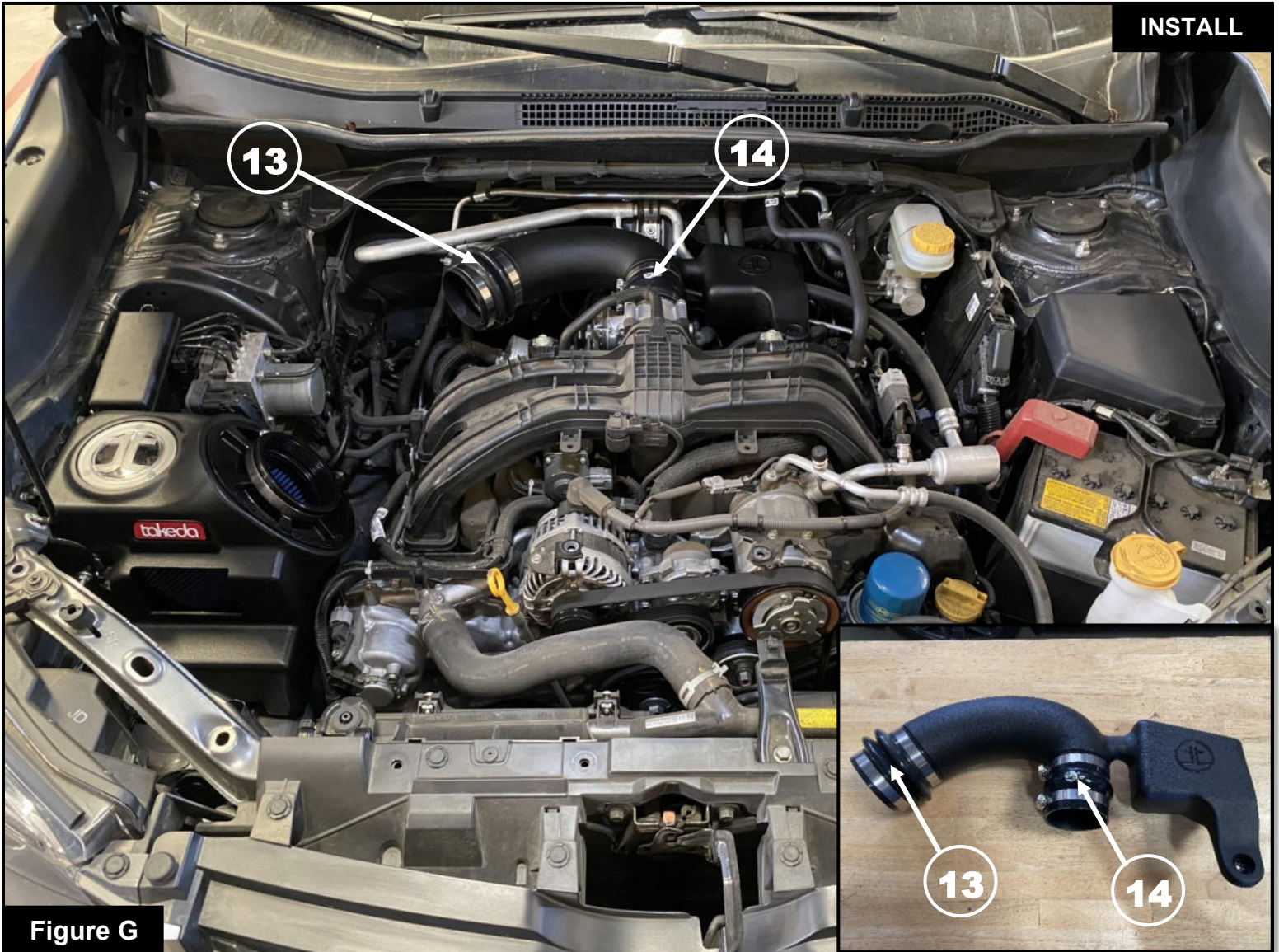
Step 15: Install the isolation mount removed in step 11.

NOTE: Take note of the isolation mount tab orientation.

**Figure F****Refer to Figure F for Steps 16-17**

Step 16: Using a 10mm nut driver, install the two screws (11) into the bushings on the bottom of the Takeda housing and the nut (12) on the upper left portion of the housing.

Step 17: Install the aFe POWER Air Filter and hose clamp into the Takeda airbox.


Figure G

Refer to Figure G for Steps 18-21

Step 18: Install the bellows coupler (05-01480) and clamp (#048) onto the B2 tube as shown in the image above (13) .

Step 19: Install the silicone hump coupler (05-01593) and clamp (#044) onto the B2 tube as shown in the image above (14) .

Step 20: Slip a clamp (#048) over the exposed end of the bellows coupler and another clamp (#044) over the exposed end of the silicone hump coupler.

Step 21: Install the B2 tube onto the throttle body.

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

Step 22: Using a Phillips screw driver, remove the MAF sensor (15) from the stock airbox lid.

Step 23: Using a T20 torx driver, install the MAF sensor onto the Takeda B1 intake tube with the provided hardware.


Figure I

Refer to Figure I for Steps 24-25

Step 24: Install the B1 intake tube into the bellow coupler (16), but do not tighten clamp yet.

Step 25: Install the other end of the B1 intake tube into the air filter. Do not tighten clamp yet.

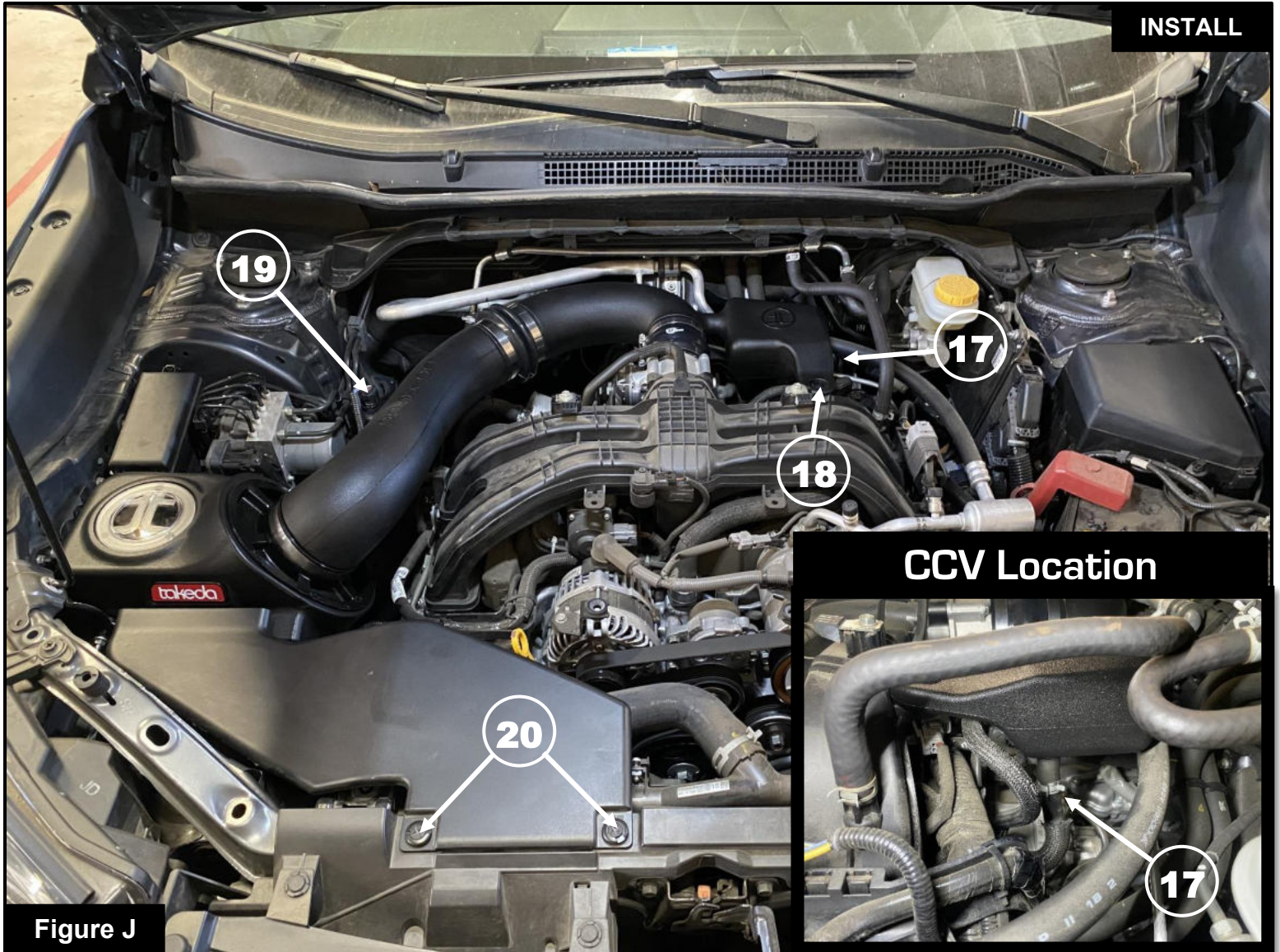


Figure J

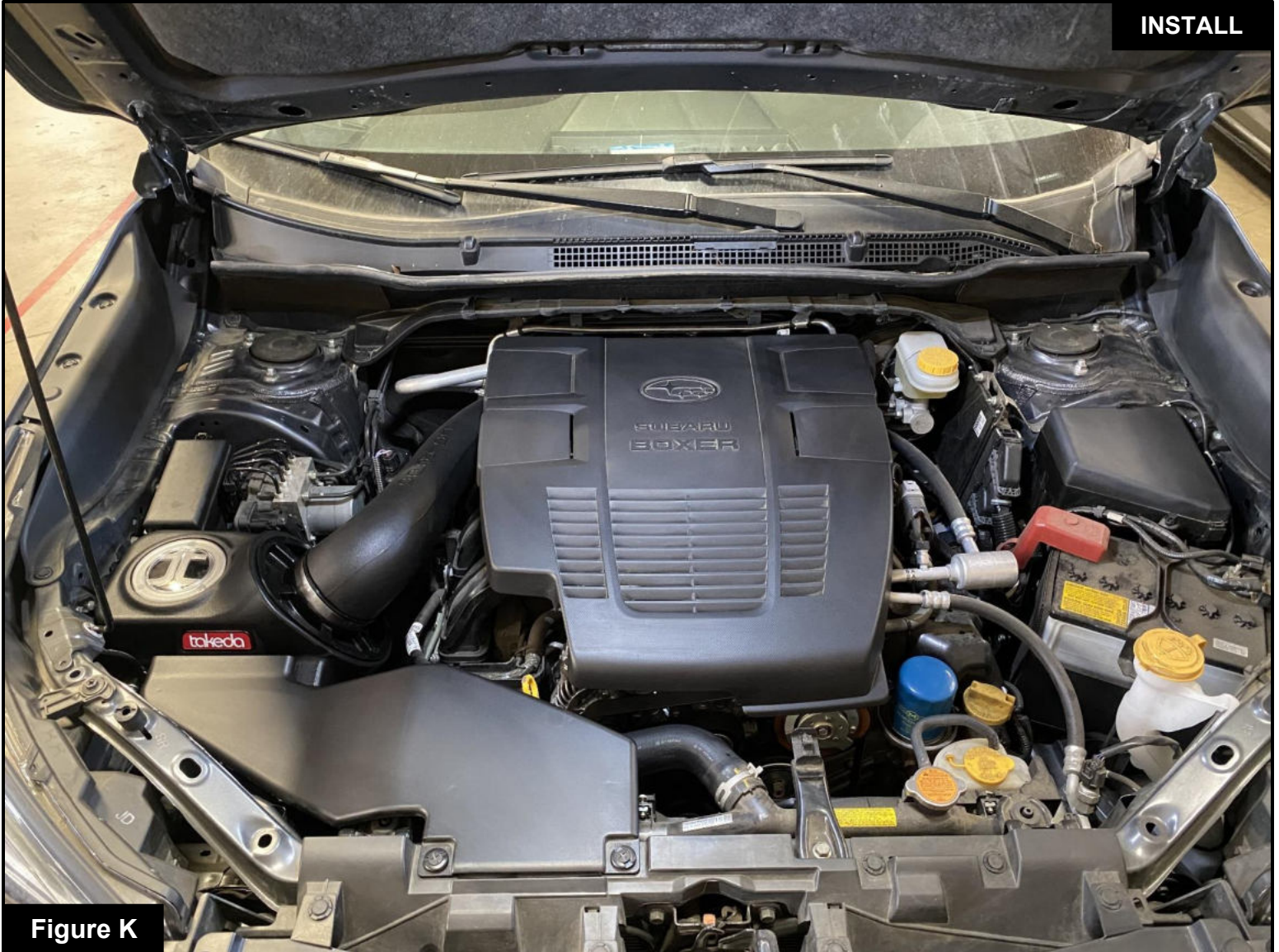
Refer to Figure J for Steps 26-29

Step 26: Install the crank case vent hose (17) removed in step 4.

Step 27: Install the provided push clip (18).

Step 28: Re-connect the MAF sensor (19) removed in step 5.

Step 29: Install the factory air scoop and panel clips (20) removed in steps 2 and 3.

**Figure K****Refer to Figure K for Steps 30-31**

Step 30: Using an 8mm nut driver, tighten all clamps at air filter and couplings. Make sure all clamps and connections are secure.

Step 31: Re-install the engine cover removed in step 1. Your installation is now complete. Thank you for choosing Takeda USA!

NOTE: Check all screws, clamps, and connectors are secure after 100-200 miles



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