

# **MOMENTUM** *GT*

**advanced FLOW engineering** Momentum GT Cold Air Intake System

**Instruction Manual** P/N: 50-70052D / 50-70052R

Make: RAM

Model: 2500/3500

Year: 2019-2023

Engine: V8-6.4L HEMI



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 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.

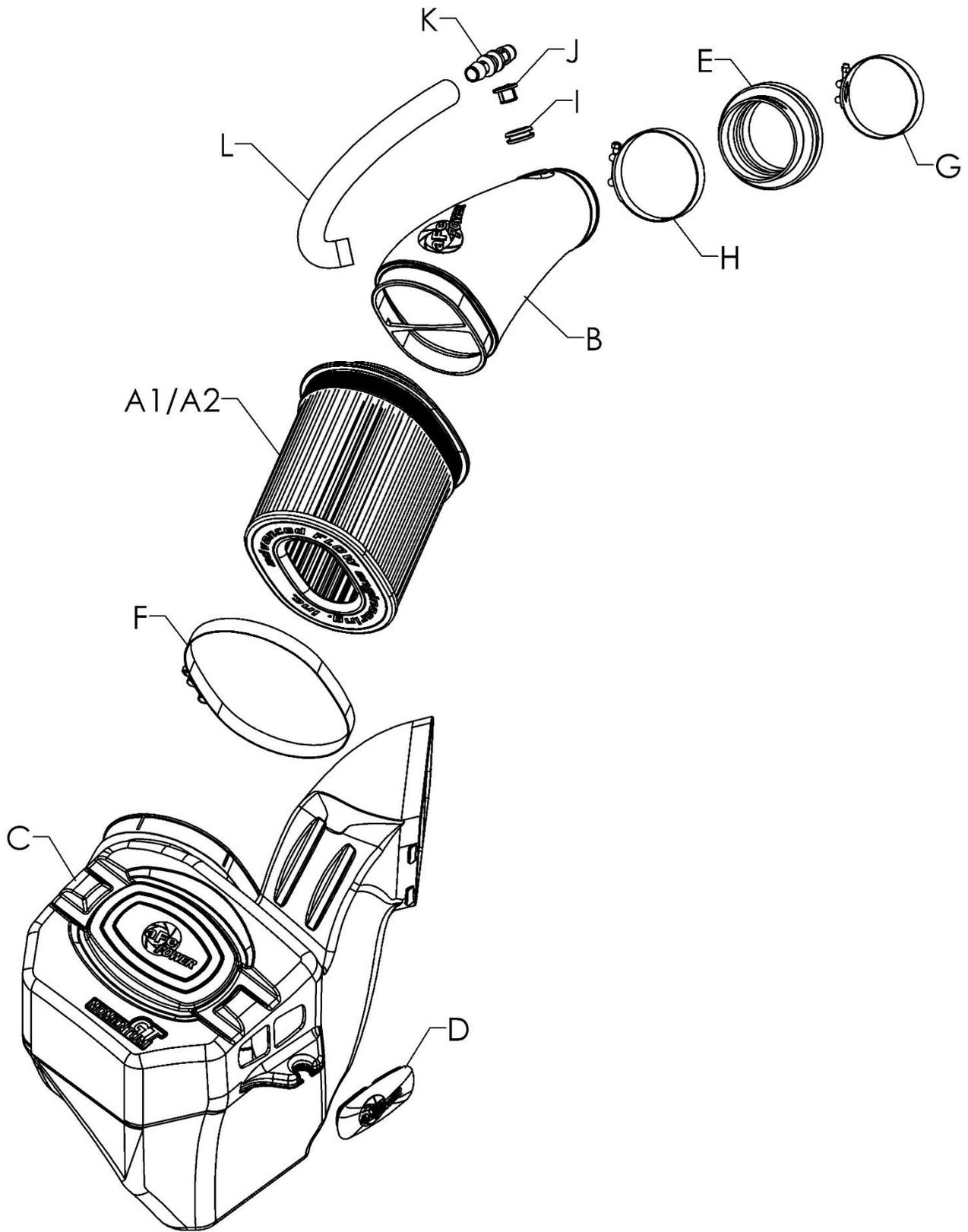
Label	Qty.	Description	Part Number
A1	1	Air Filter (Pro DRY S)	21-91061
A2	1	Air Filter (Pro 5R)	24-91061
B	1	Tube	05-5070052B1
C	1	Housing	05-5070052B2
D	1	Plug, Silicone	05-01429
E	1	Coupling, Silicone Reducer: (3-3/4" x 3-1/2")ID x 3"L	05-01508
F	1	Clamp, T-Bolt: (8-5/16" – 8-5/8")	05-50267
G	1	Clamp, T-Bolt: (3-9/16" – 3-7/8")	03-50498
H	1	Clamp, T-Bolt: (3-13/16" – 4-1/8")	03-50265
I	1	Grommet, Rubber	03-50167
J	1	Fitting, Air Temperature Sensor	05-01454
K	1	Fitting, 5/8" Coupling	03-50183
L	26	Silicone Hose, 5/8" ID (26"L)	05-01502

**Installation will require the following tools:**

8mm & 10mm nut driver, 11mm deep socket and driver, flat head screwdriver

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 Step 1**

Step 1: Remove the engine cover ① by pulling straight up on the front edge until it disengages, then pulling straight forward.



Figure B

**Refer to Figure B for Steps 2-4**

Step 2: Using an 8mm nut driver, loosen the clamps at the throttle body (2) and filter housing (3).

Step 3: Disconnect the temperature sensor (4) and unclip the wire from the intake tube (5).

Step 4: Disconnect the CCV hose (6) from the intake tube.

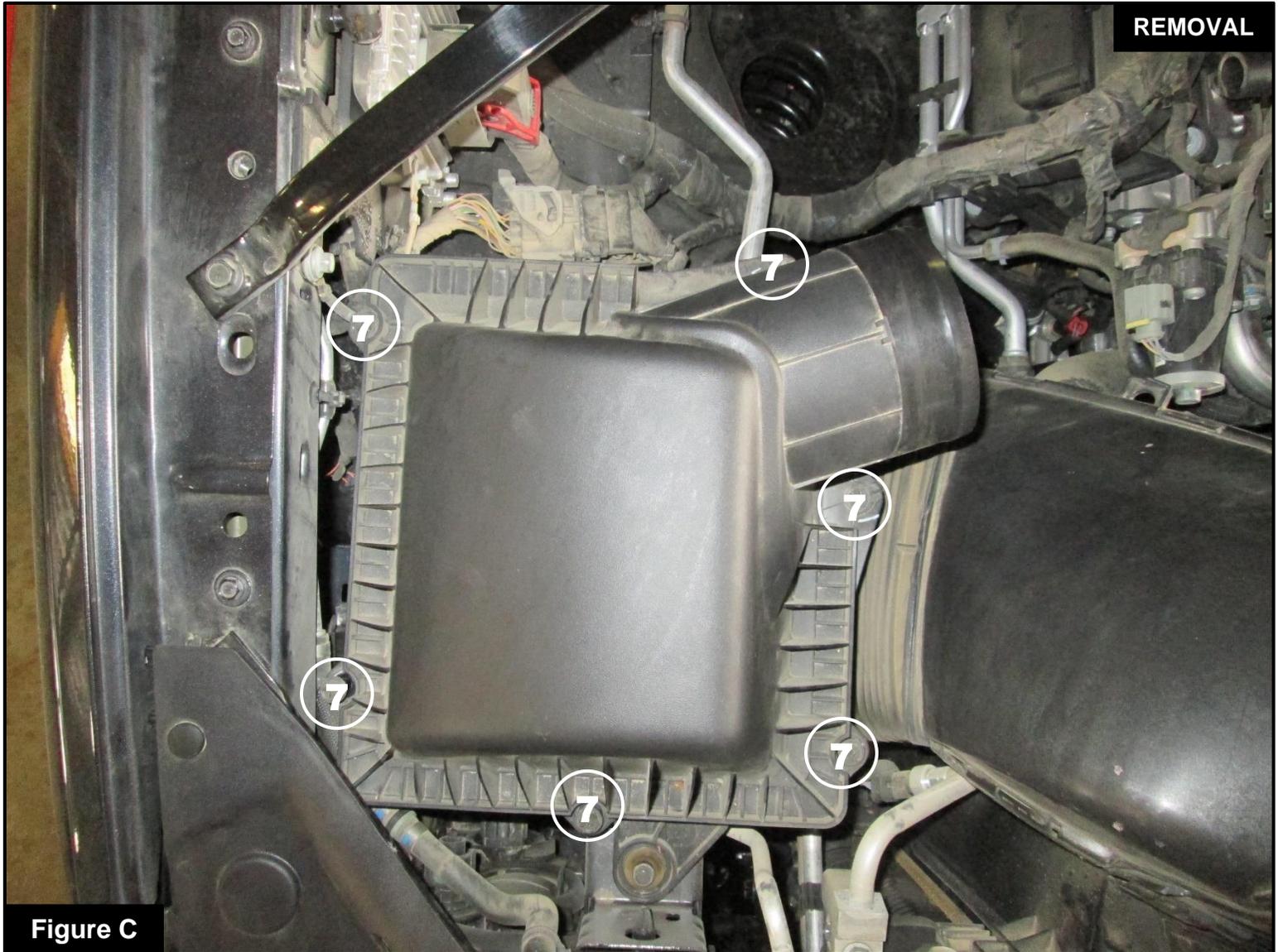


Figure C

**Refer to Figure C for Step 5**

Step 5: Using a 10mm nut driver, loosen the 6x screws ⑦ holding the top half of the stock filter housing, then remove the lid.



Figure D

**Refer to Figure D for Step 6**

Step 6: Remove the factory air filter (8) and set aside.

**Figure E****Refer to Figure E for Step 7**

Step 7: Remove the stock inlet duct (9) from the vehicle by pressing out from the bottom of the stock housing, then disconnecting from the inlet scoop.



Figure F

**Refer to Figure F for Step 8**

Step 8: With the inlet duct removed, pull straight up on the bottom half of the stock filter housing and remove it from the vehicle.

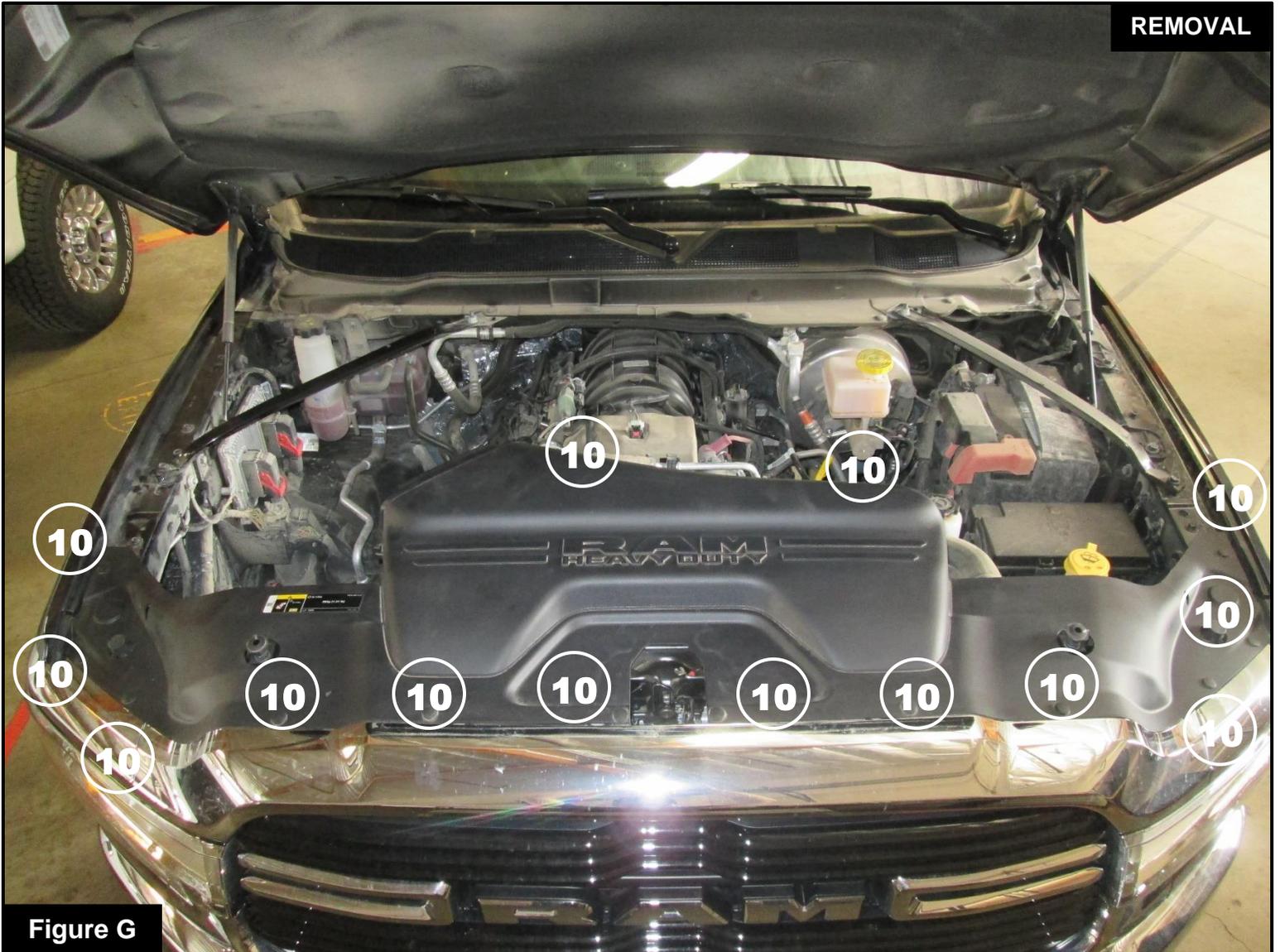
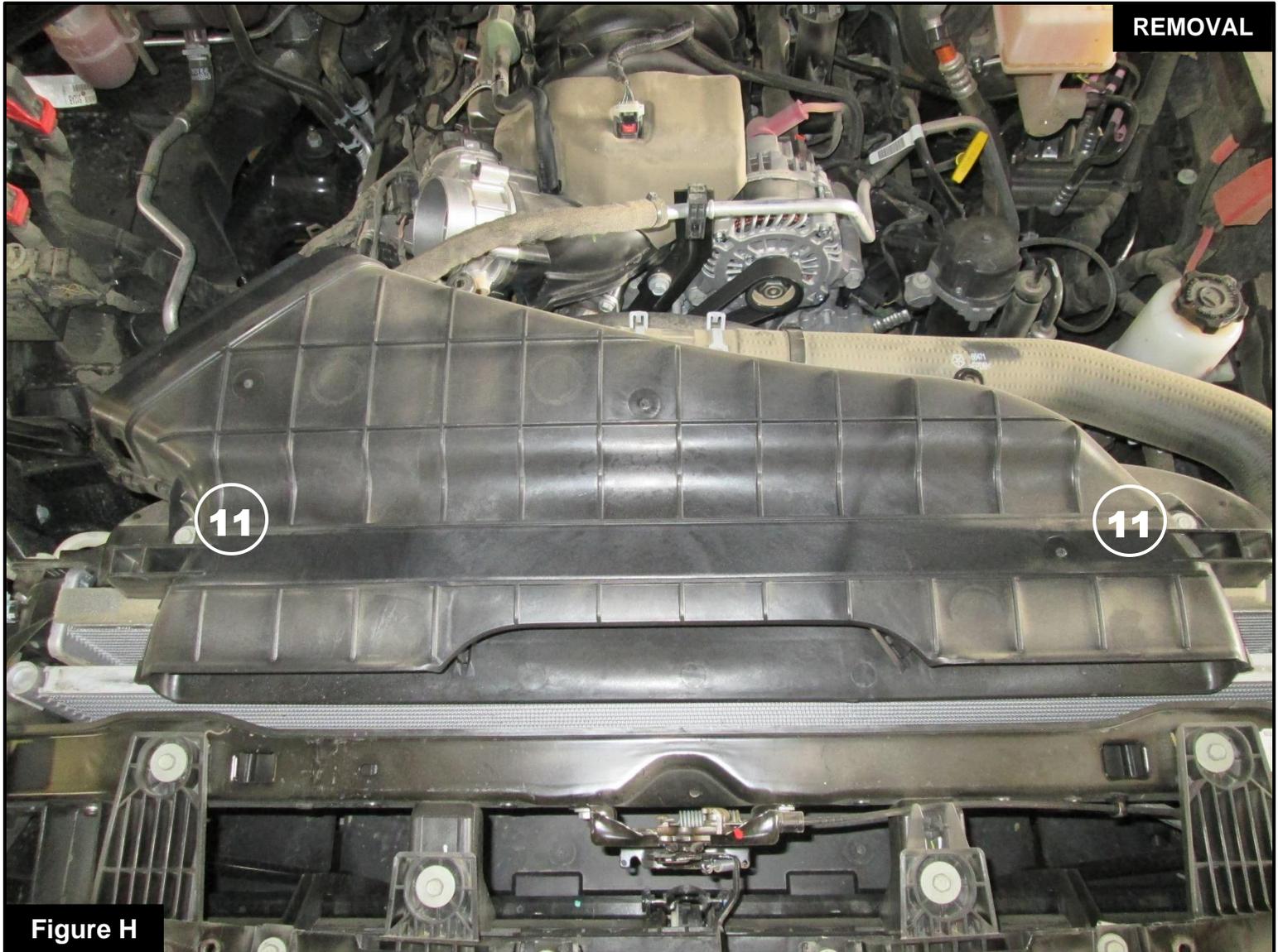


Figure G

**Refer to Figure G for Step 9**

Step 9: Using a flat head screwdriver, remove the 14x clips (10) holding the front cowling. Remove the cowl.

\*Note – The final 2 clips are on the backside of the inlet scoop cover

**Figure H****Refer to Figure H for Step 10**

Step 10: Using a 10mm nut driver, Remove the 2x screws ⑪ holding the stock intake scoop, leaving the scoop in the vehicle.

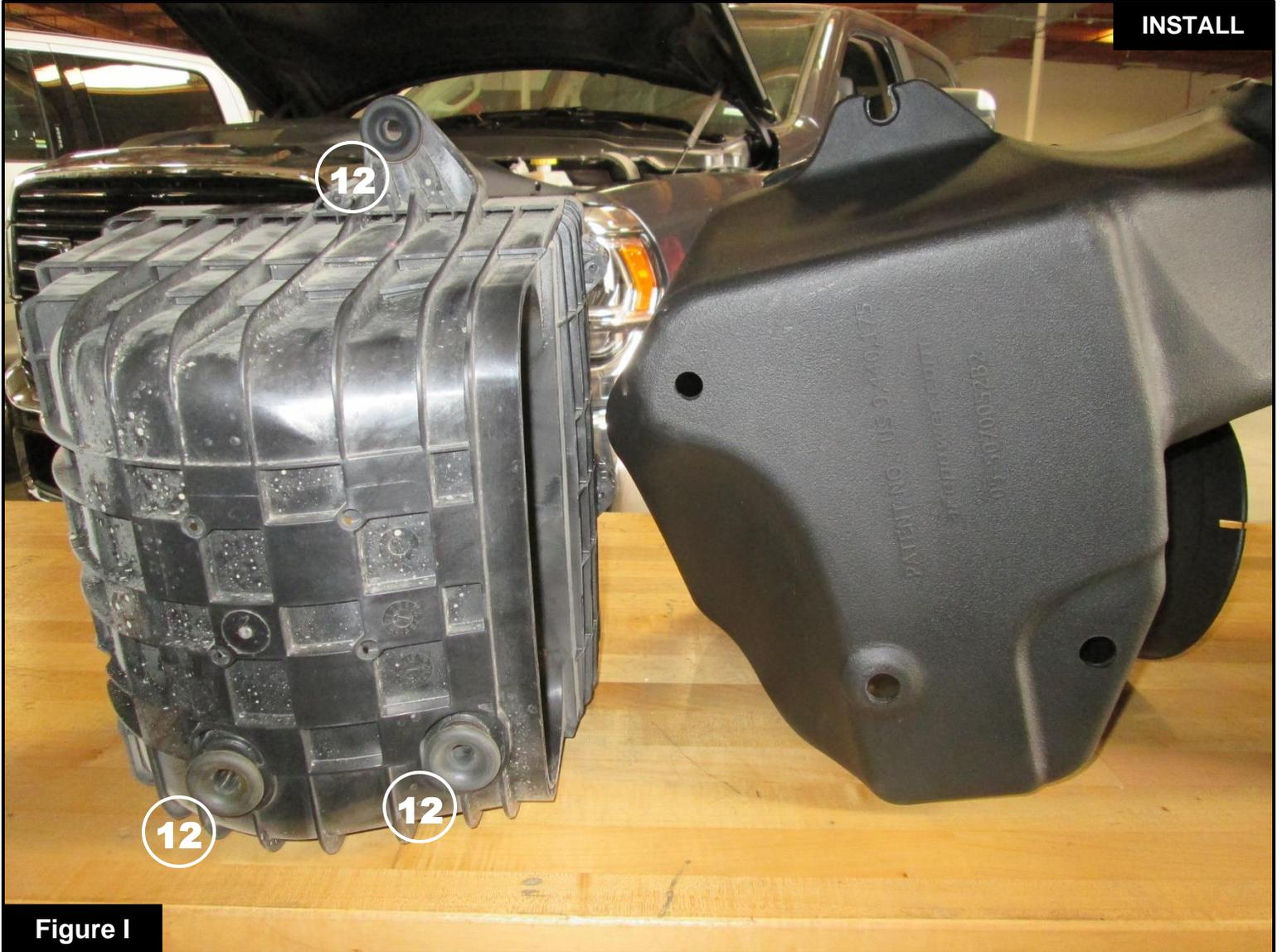


Figure I

**Refer to Figure I for Step 11**

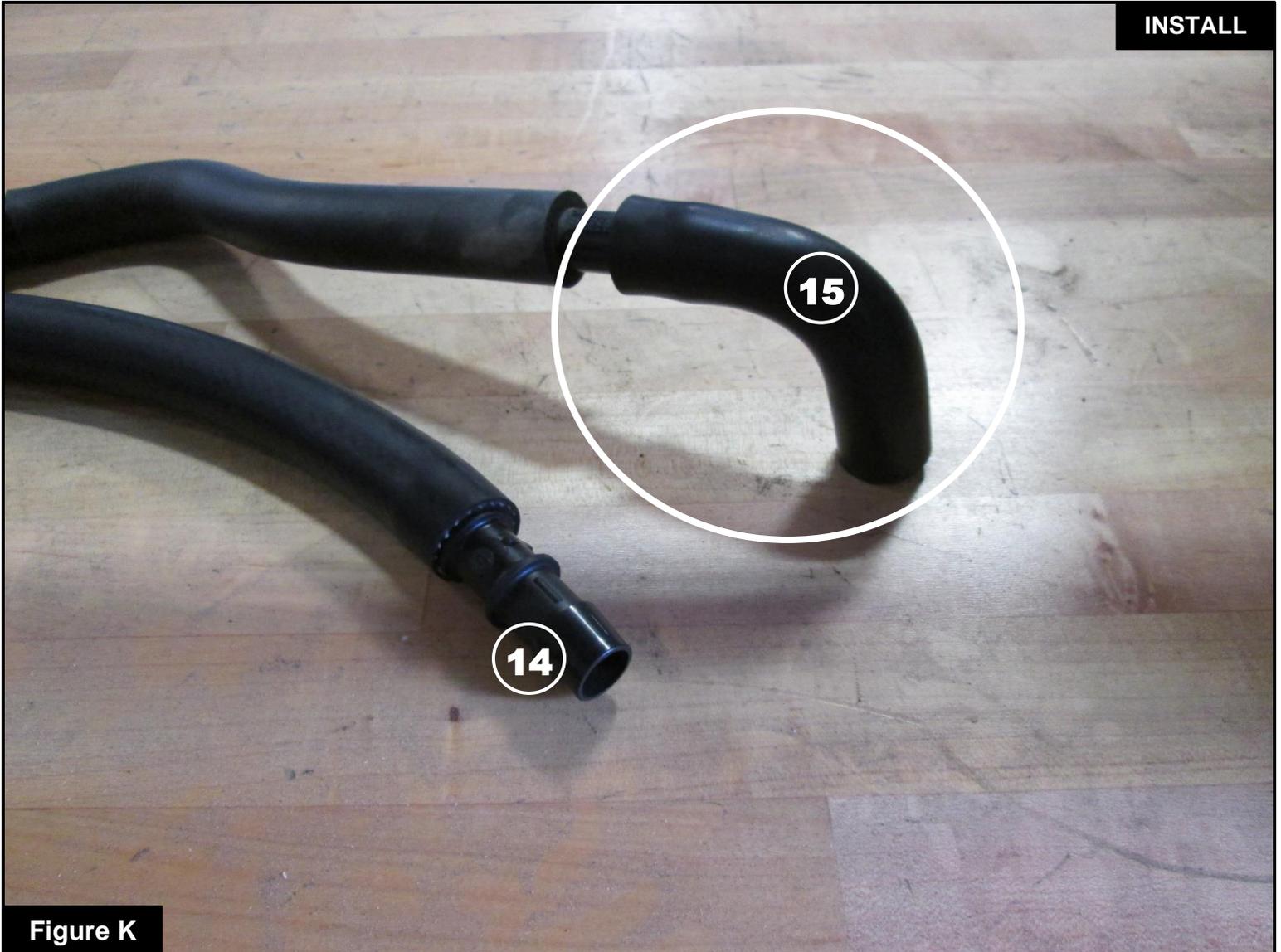
Step 11: Transfer the 3x grommets (12) from the bottom half of the stock housing to the corresponding locations in your aFe Power housing.



Figure J

**Refer to Figure J for Step 12**

Step 12: Remove the entire stock CCV line (13) from the vehicle.

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

Step 13: Install the supplied fitting (14) into one end of the supplied silicone hose as shown above.

Step 14: Disconnect and transfer the elbow piece (15) of the stock CCV hose to other end of the fitting in your new silicone hose assembly.



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

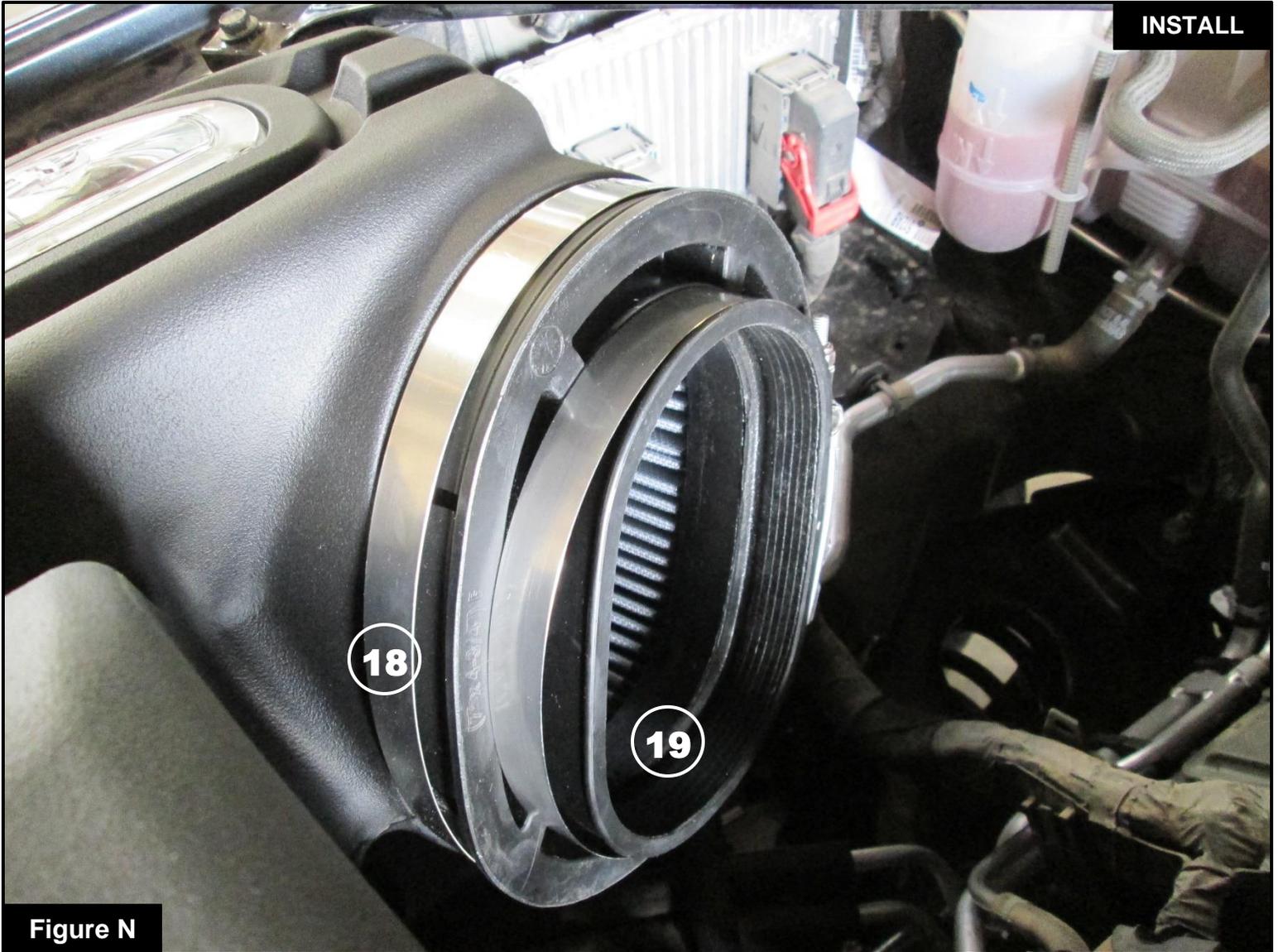
Step 15: Install the supplied rubber grommet and fitting (16) into your aFe Power intake tube as shown. A small amount of silicone grease may be used to ease the install of the fitting into the grommet.

Step 16: Transfer the temperature sensor (17) from the stock intake tube into the fitting on your aFe Power intake tube.

**Figure M****Refer to Figure M for Steps 17-18**

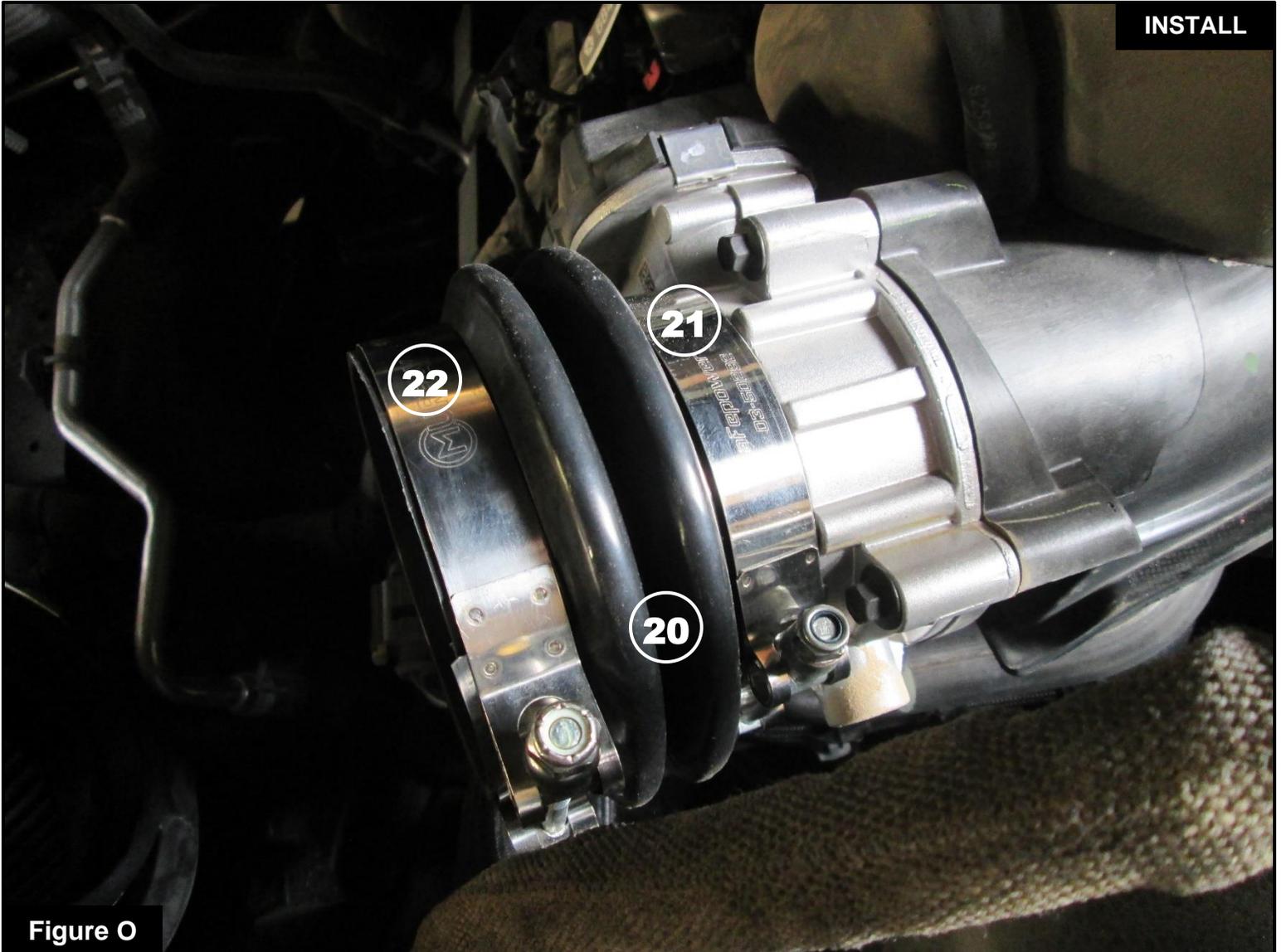
Step 17: Install your aFe Power housing into the vehicle by first seating it on all three grommet mounting points, then attaching the previously loosened intake scoop to the air duct on your housing. Press firmly on the top of your housing to make sure it is fully seated on all three grommets.

Step 18: Reinstall the stock air scoop using the two screws removed in step #10.

**Figure N****Refer to Figure N for Steps 19-20**

Step 19: Install the largest T-Bolt clamp (18) onto your aFe Power housing around the filter interface, leaving it loose.

Step 20: Install your aFe Power air filter (19) into the housing, leaving the clamp loose.

**Figure O****Refer to Figure O for Steps 21-23**

Step 21: Install the supplied bellows coupler (20) with the smaller end on the throttle body.

Step 22: Install the smallest supplied T-Bolt clamp (21) on the throttle body side of the coupler. Tighten the clamp using an 11mm deep socket and driver.

Step 23: Install the remaining T-Bolt clamp (22) on the open end of the coupler, leaving it loose.



Figure P

**Refer to Figure P for Step 24**

Step 24: Install your aFe Power intake tube into the vehicle by sliding the smaller end into the coupler at the throttle body, then rotating the large end into the air filter. Tighten all clamps using an 11mm deep socket and driver.

**Figure Q****Refer to Figure Q for Steps 25-26**

Step 25: Install your modified CCV line (23) with the elbow on the crankcase port. Route the silicone hose underneath the smaller vacuum line (24) and attach the open end to the port on your intake tube as shown above.

Step 26: Reconnect the temperature sensor wire harness (25).



Figure R

**Refer to Figure R for Step 27**

Step 27: Reinstall the cowl using the 14x clips removed in step #9.



Figure S

**Refer to Figure S for Step 28**

Step 28: For the coolest intake air possible, install the supplied silicone plug (26) in the opening on the front of your aFe power housing. Best performance gain is obtained with maximum airflow (no plug).



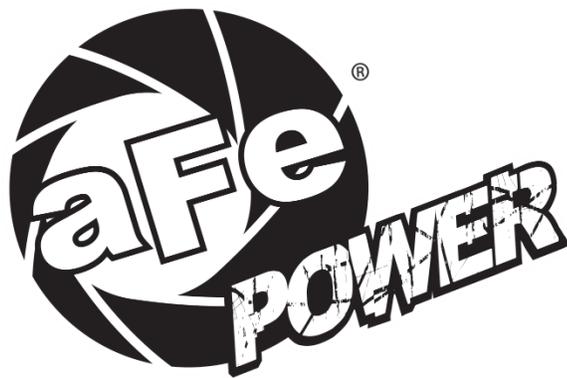
**Figure T**

**Refer to Figure T for Steps 29-30**

Step 29: Reinstall your engine cover.

Step 30: Check that all components are tight and secure. Your installation is now complete. Thank you for choosing aFe POWER!

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



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