



advanced FLOW engineering BladeRunner – Hot Side Charge Pipe Kit

Instruction Manual P/N: 46-20698-B

Make: Kia

Model: Stinger

Year: 2022-2023

Engine: L4-2.5L (t)



- 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.	UoM	Description	Part Number
A	1	Ea.	Tube, Hot Side: 46-20698-B	05-61426B
B	1	Ea.	Adaptor, Intercooler: 46-2069X	05-61429
C	1	Ea.	Coupling, Silicone Dbl Elbow Rdr: 2.67" x 2.55"	05-61433
D	1	Ea.	O-Ring, 60mm ID x 2mm W	05-61436
E	1	Ea.	O-Ring, 55mm ID x 2.5mm W	05-61150
F	1	Ea.	Clamp, SmartSeal, 044 (2.50" – 3.06")	03-50656
G	1	Ea.	Clamp, SmartSeal, 052 (2.88" – 3.56")	03-50786
H	1	Ea.	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029

Installation will require the following tools:

8mm, 10mm, 12mm sockets , 3/16" allen, extensions, ratchet, flat screwdriver, pick, teflon tape.

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.



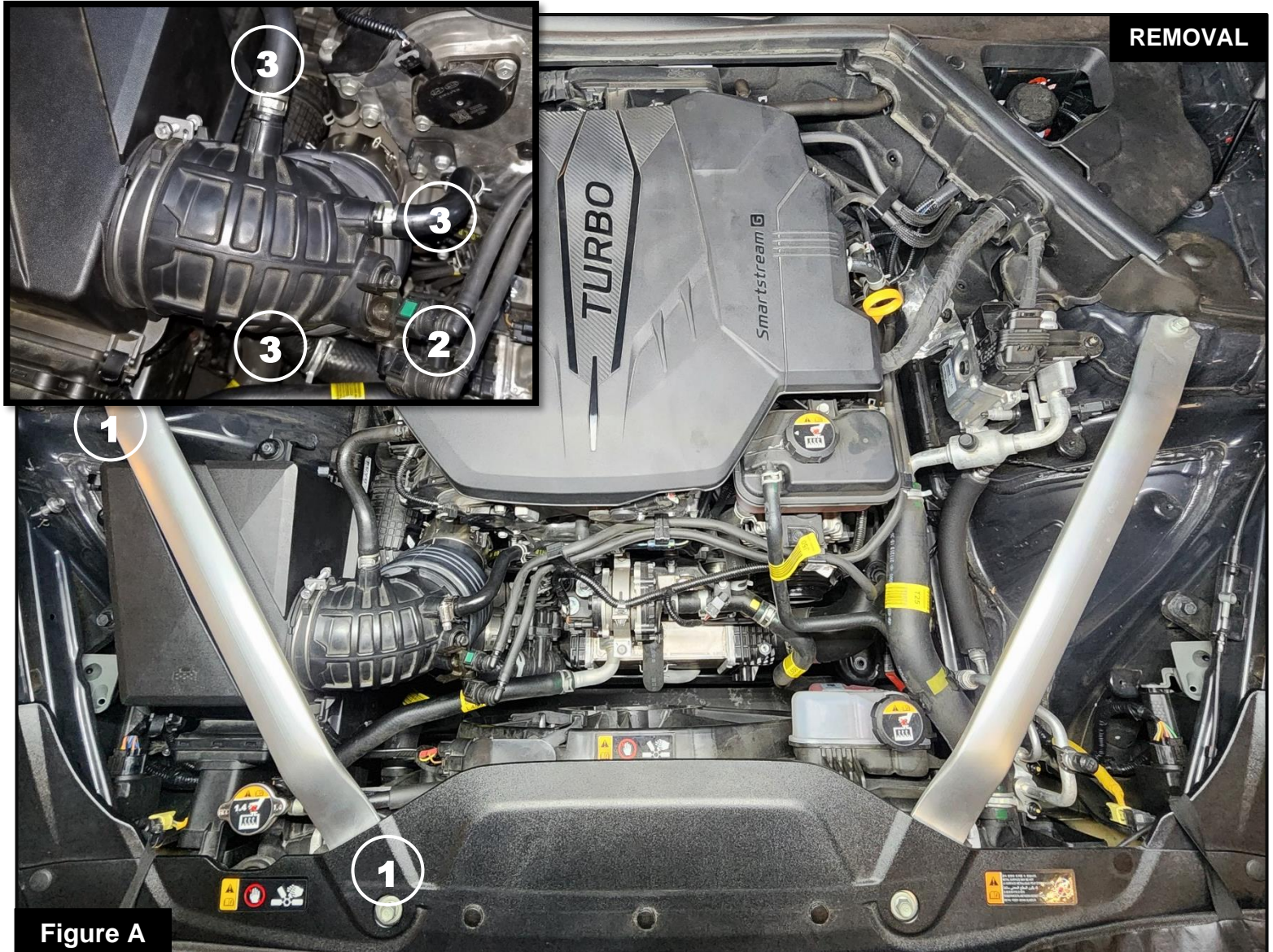


Figure A

Refer to Figure A for Steps 1-4

Step 1: Disconnect the negative battery cable.

Step 2: Remove the screws securing the passenger side factory strut brace onto the vehicle (1) and remove the brace.

Step 3: Squeeze both sides of the vacuum line clips (2) to release them, then disconnect the vacuum lines from the air intake tube.

Step 4: Pull the three spring clamps (3) back on their respective hoses and disconnect the hoses from the air intake tube.

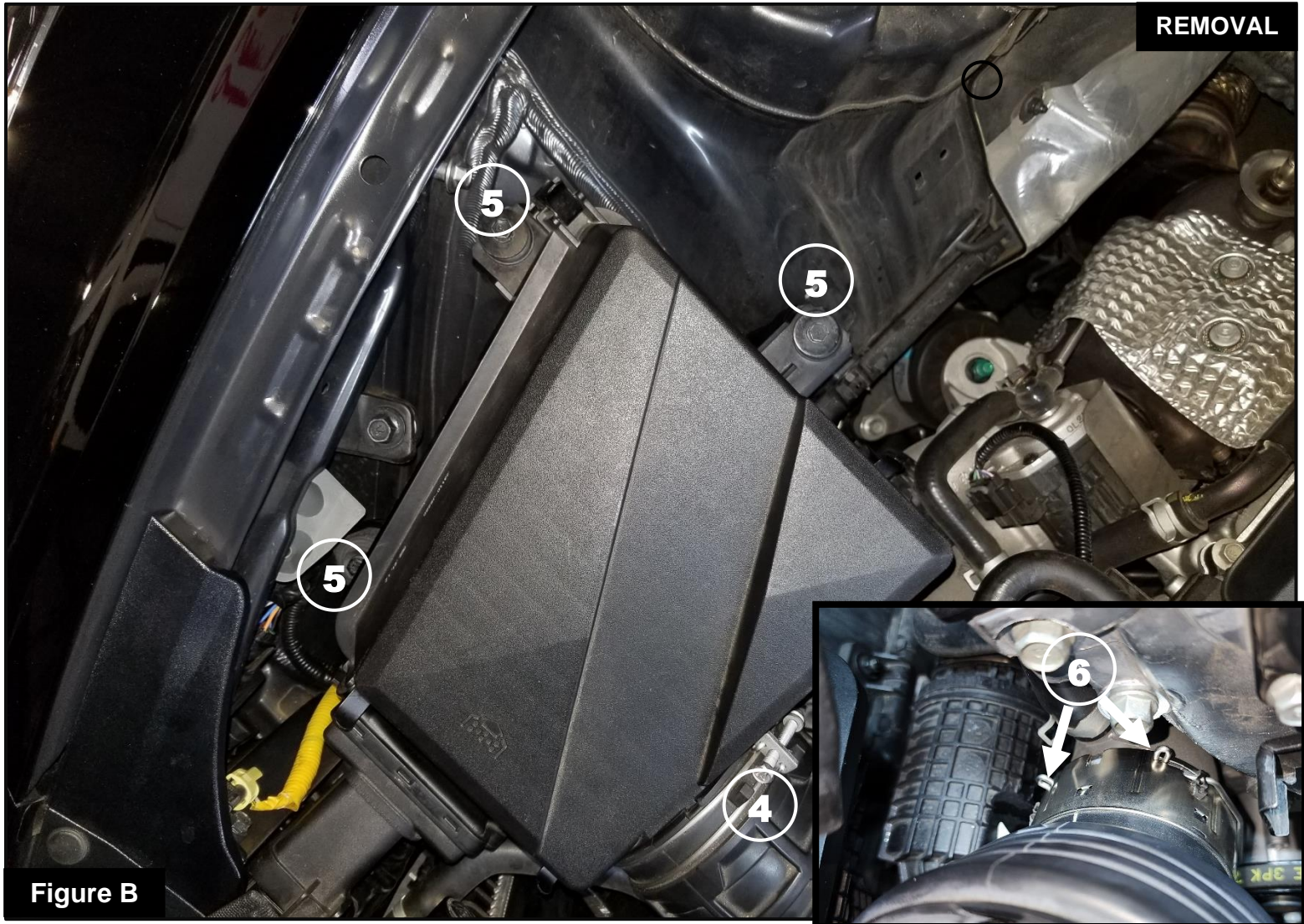


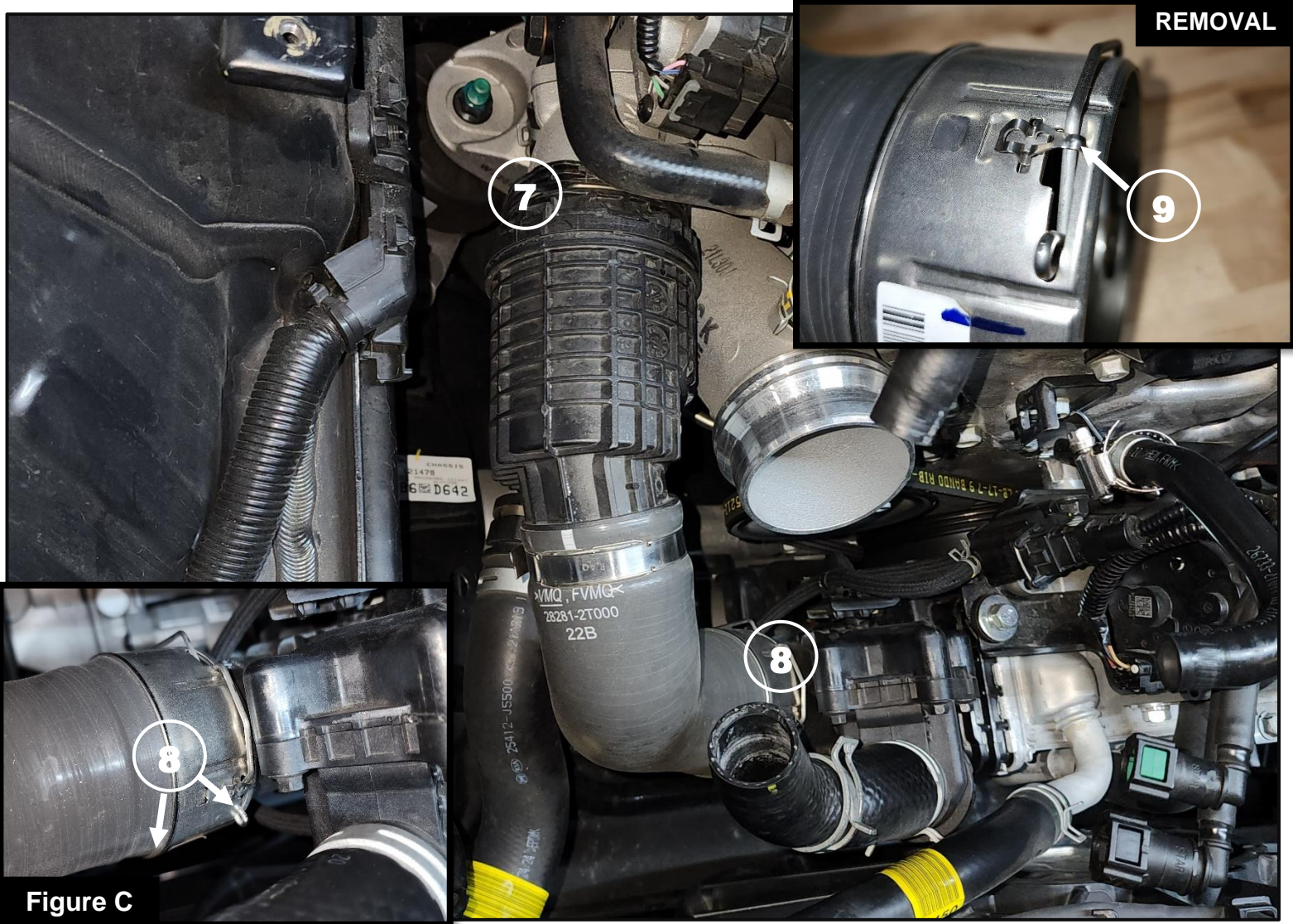
Figure B

Refer to Figure B for Steps 5-7

Step 5: Loosen the clamp securing the air intake tube onto the air intake housing (4.)

Step 6: Remove the screws securing the air intake housing to the vehicle, then remove the air intake housing from the vehicle (5.)

Step 7: Expand the retaining clip securing the air intake tube onto the turbo inlet and remove the tube from the vehicle (6.)



Refer to Figure C for Steps 8-10

- Step 8: Remove the retaining clip securing the hot side charge pipe to the turbo outlet by using a flat head screwdriver to lift the retaining clip on each side, set the clip aside for later use (7)
- Step 9: Expand the retaining clip securing the hot side charge pipe onto the intercooler inlet and remove the charge pipe from the vehicle (8)
- Step 10: Remove the factory retaining clip from the intercooler connection on the hot side charge pipe. Do this by gently lifting the tabs up on each side and sliding the clip out of its groove (9), set aside for later use.

**Figure D****Refer to Figure D for Steps 11-13**

Note: Be sure to use thread sealant on the plug or sensor to prevent any leaking

Step 11: If you are not using any aftermarket sensors, install the supplied 1/8" NPT plug into the threaded fitting on the aFe POWER hot side charge pipe (10)

Note: Be sure to lubricate the O-ring with grease to prevent it from tearing during installation.

Step 12: Install the 55mm ID x 2.5mm W O-ring into the groove on the inside of the supplied aFe POWER hot side charge pipe (11)

Step 13: Install the factory retaining clip from Step 8 onto the aFe POWER hot side charge pipe (12)



Figure E

Refer to Figure E for Steps 14-17

Note: Be sure to lubricate the O-ring with grease to prevent it from tearing during installation.

Step 14: Install the 60mm ID x 2mm W O-ring into the groove on the inside of the supplied aFe POWER adaptor (13)

Step 15: Install the factory retaining clip from Step 10 onto the aFe POWER intercooler adaptor (14)

Step 16: Install the aFe POWER hot side charge pipe onto the turbo outlet, and ensure the retaining clip snaps into place all the way around (15)

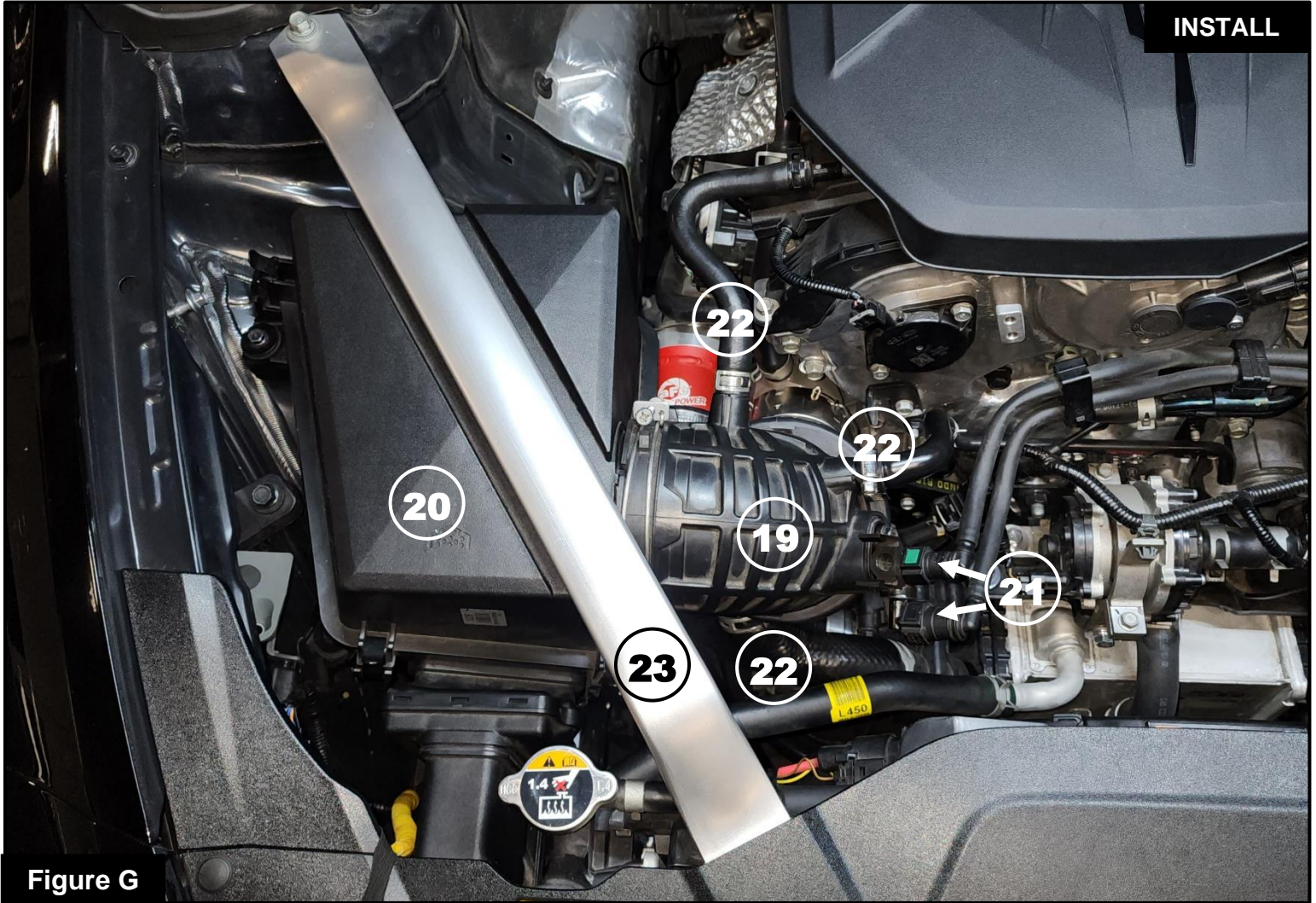
Step 17: Install the aFe POWER intercooler adaptor onto the intercooler inlet, and ensure the retaining clip snaps into place all the way around and the O-ring stays in its groove (16)

**Figure F****Refer to Figure F for Steps 18-20**

Step 18: Install the supplied aFe POWER silicone double elbow reducer coupling, 2.67"x 2.55", with the supplied 044 SmartSeal clamp onto the aFe POWER hot side charge pipe (17) do not tighten the clamp yet.

Step 19: Install the supplied 052 SmartSeal clamp onto the aFe POWER intercooler adaptor and connect the coupling from the previous step (18)

Step 20: Ensure the aFe POWER hot side charge pipe and coupling is not touching anything, then tighten the clamps.


Figure G
Refer to Figure G for Steps 21-27

- Step 21: Reinstall the air intake tube into the vehicle (19) Ensure the retaining clip snaps into place.
- Step 22: Reinstall the air intake housing into the vehicle, then connect and tighten the clamp to the air intake tube (20)
- Step 23: Reconnect the vacuum hoses to onto the air intake hose (21)
- Step 24: Reinstall the three hoses back onto the air intake tube (22)
- Step 25: Reinstall the passenger side strut brace into the vehicle (23)
- Step 26: Reconnect the negative battery cable.
- Step 27: Install is now complete.

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



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