

advanced FLOW engineering BladeRunner – Combo Kit

Instruction Manual P/N: 46-20264SS

Make: **GMC**

Model: **Canyon**

Year: **2016–2020**

Engine: **L4-2.8L (td)**

Make: **Chevrolet**

Model: **Colorado**

Year: **2016–2020**

Engine: **L4-2.8L (td)**



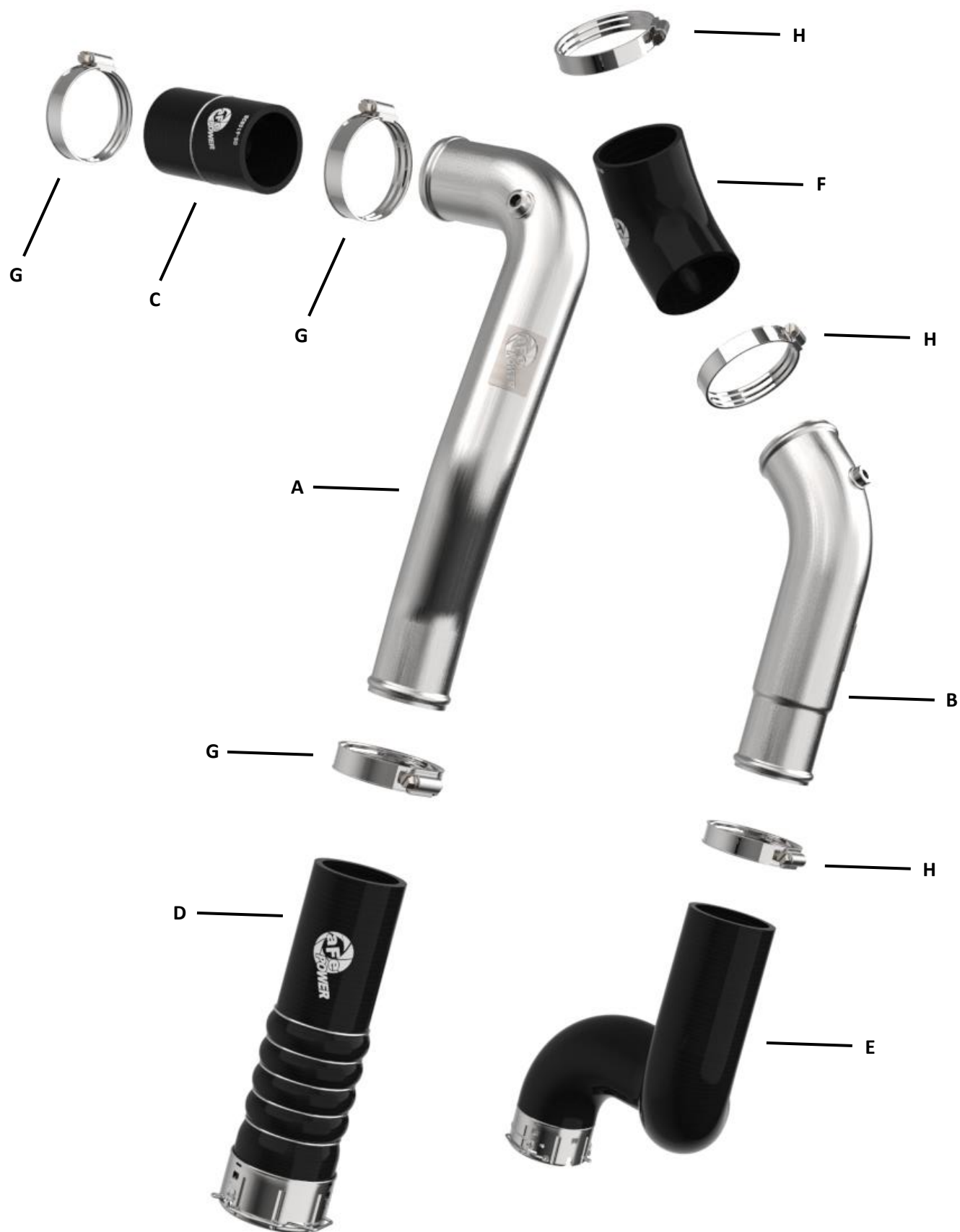
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts for future use.

Label	Qty.	UoM	Description	Part Number
A	1	Ea.	Tube, Hot Side: 46-20268SS	05-61594A
B	1	Ea.	Tube, Cold Side: 46-20269SS	05-61595A
C	1	Ea.	Coupler, Silicone Straight: 2"ID x3.75"L w/Ring	05-61582B
D	1	Ea.	Hose; Silicone: 2"ID x 8.8"L w/Ring & 50mm QC	05-61583B
E	1	Ea.	Hose; Silicone: 2.375"ID w/ 50mm QC	05-61584B
F	1	Ea.	Coupler, Silicone Elbow: 2.60"ID x 2.75" x 57Deg	05-61585B
G	3	Ea.	Clamp, SmartSeal, 036 (2-1/4" – 2-9/16")	03-50789
H	3	Ea.	Clamp, SmartSeal, 044 (2-1/2" – 3-1/16")	03-50656

Installation will require the following tools:

Torque wrench, 1/4" ratchet, 6" extension, 8mm deep socket, hook pick, thread sealant.

Warranty Information available at <https://afepower.com/contact#warranty>



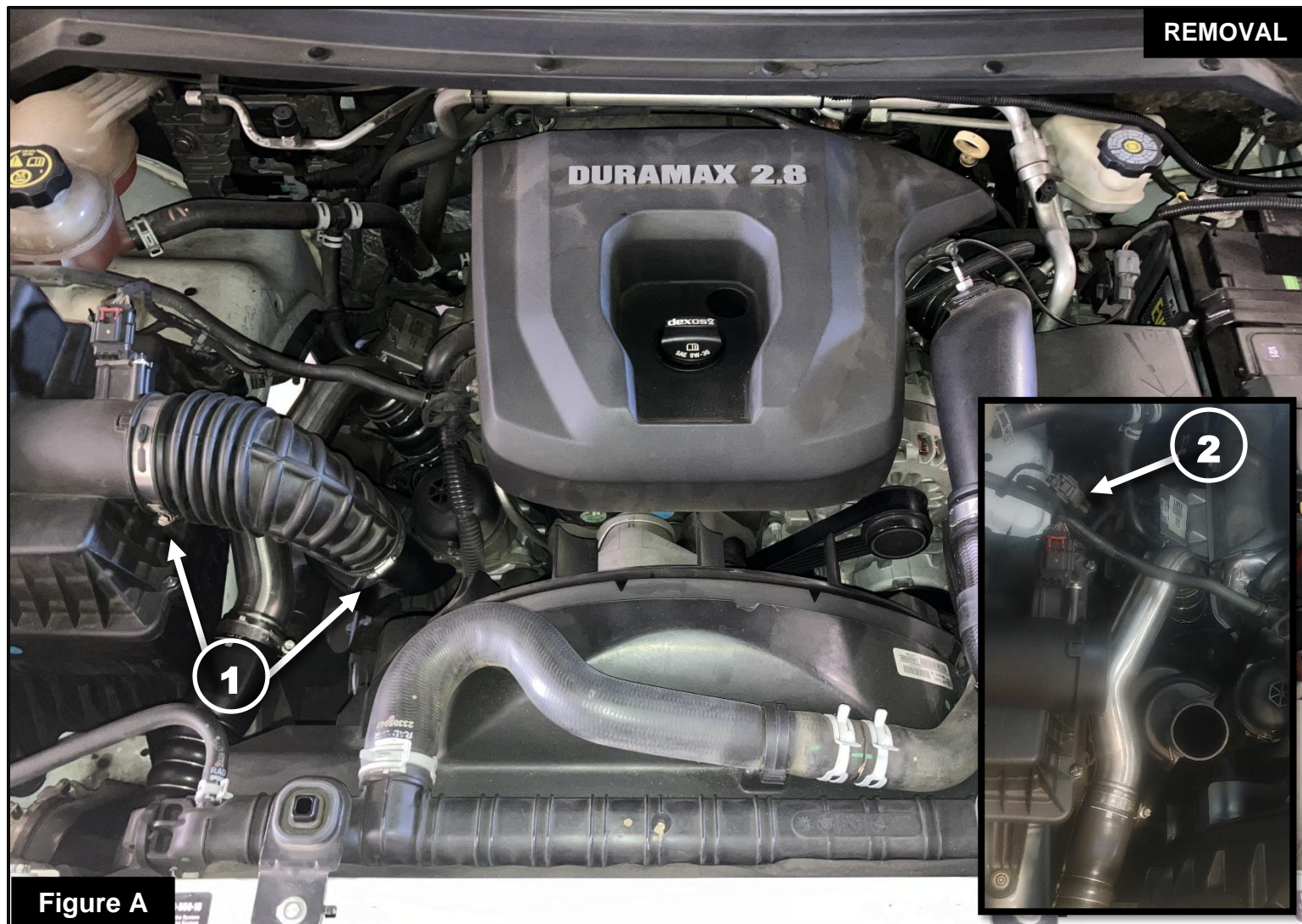


Figure A

Refer to Figure A for Steps 1-4

Step 1: Disconnect the negative battery cable from the negative battery terminal.

Step 2: Loosen both clamps for the air intake tube. ①

Step 3: Remove the air intake tube from the vehicle.

Step 4: Disconnect the electrical connector to the air temperature sensor on the hot side charge pipe. ②

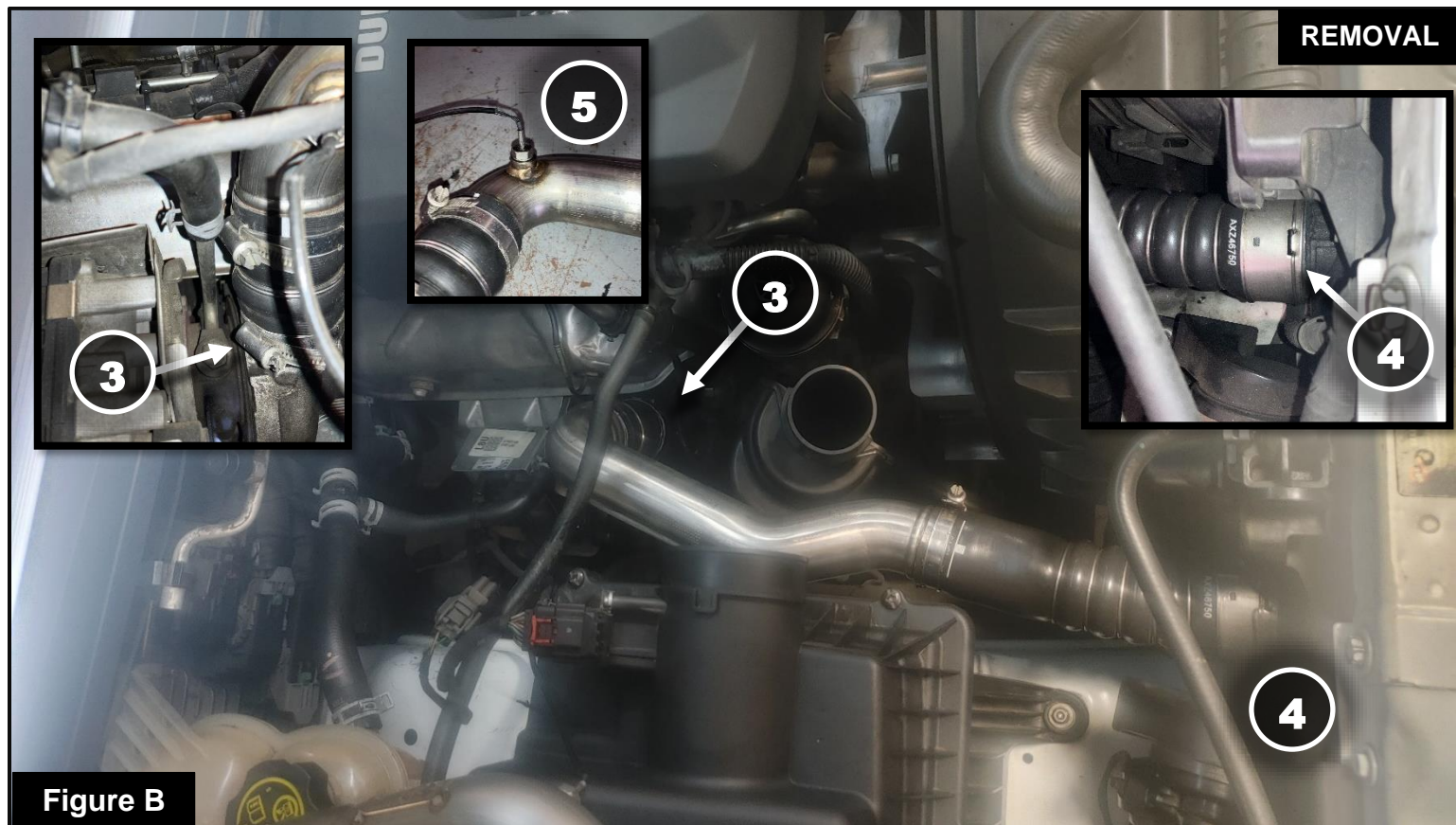


Figure B

Refer to Figure B for Steps 5-8

Step 5: Loosen the clamp holding the OEM coupler to the turbocharger. ③

Step 6: Disengage the Quick Connector Retaining Spring at the intercooler. ④

Step 7: Remove the OEM hot tube assembly from the intercooler.

Step 8: Remove the air temperature sensor from the OEM hot side charge pipe. ⑤



Refer to Figure C for Steps 9-12

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

- Step 9: Attach (2"ID x 3.75"L) Straight Coupler w/Ring to the turbocharger end of the hot side charge pipe with two (2) of the (2-1/4" – 2-9/16") 036-SmartSeal Clamps; leave clamps loose. (6)
- Step 10: Attach (2"ID x 8.80"L) Hose w/Rings & 50mm QC to the intercooler end of the hot side charge pipe with one (1) of the (2-1/4" – 2-9/16") 036-SmartSeal Clamps, pushing the hose up to the charge pipe bend; leave clamp loose. (7)
- Step 11: Install the air temperature sensor onto aFe POWER hot side charge pipe; be sure to use thread sealant; torque to manufacturer's specification. (8)
- Step 12: Lock the Quick Connector Retaining Spring into the open, disengaged position for easier installation. (9)

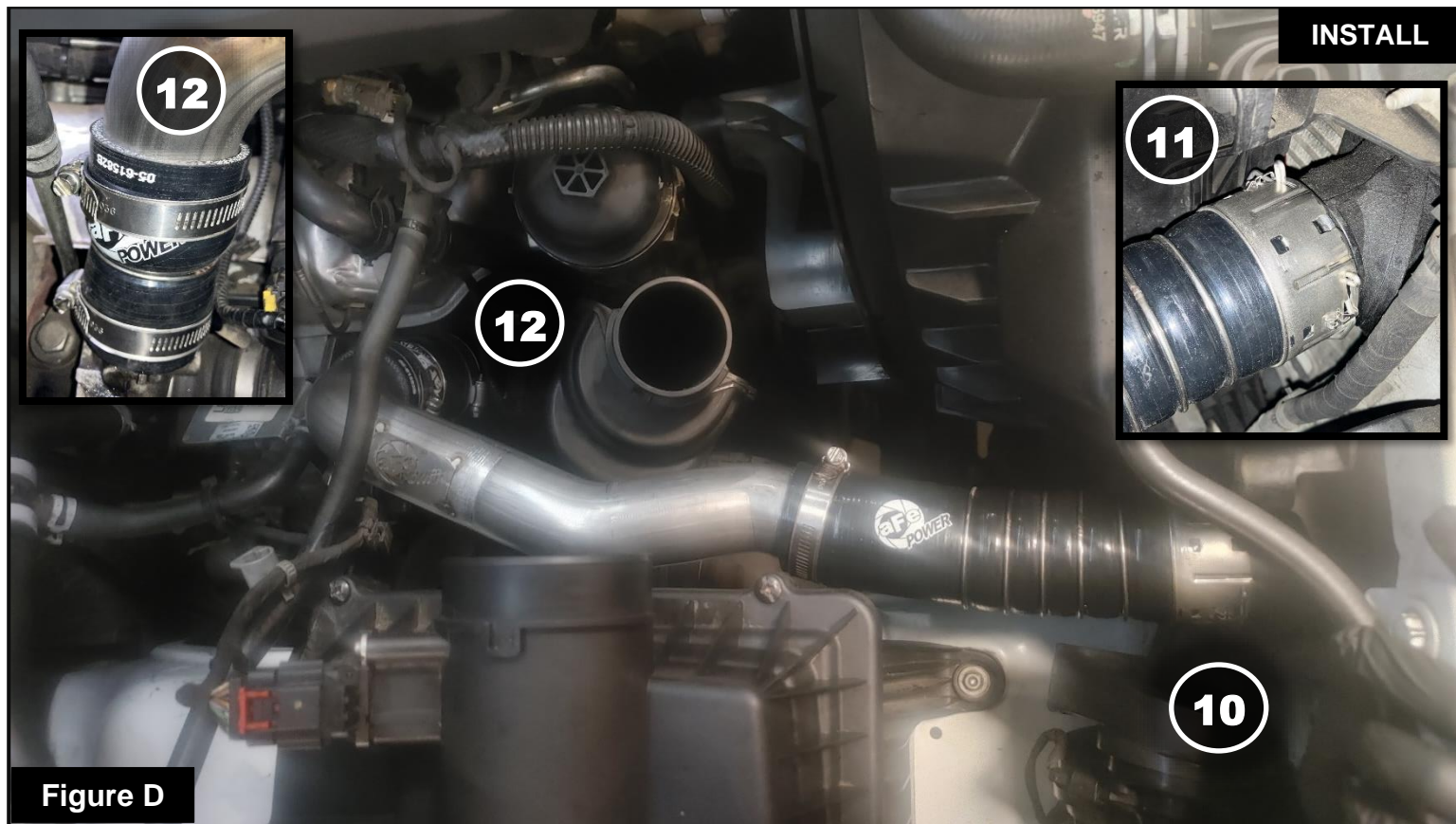


Figure D

Refer to Figure D for Steps 13-16

- Step 13: Install the preassembled hot side charge pipe assembly into the vehicle, attaching the Quick Connector to the intercooler first. (10)
- Step 14: Lock the Quick Connector Retaining Spring (Engaged position), ensuring it is resting in the groove encircling the intercooler inlet at all points (see Figure C for reference). (11)
- Step 15: Install the preassembled hot charge pipe assembly onto the turbocharger with the (2-1/4" – 2-9/16") 036-SmartSeal Clamp. (12)
- Step 16: Torque all SmartSeal clamps to 6 Ft-lbs. (72in-lbs).

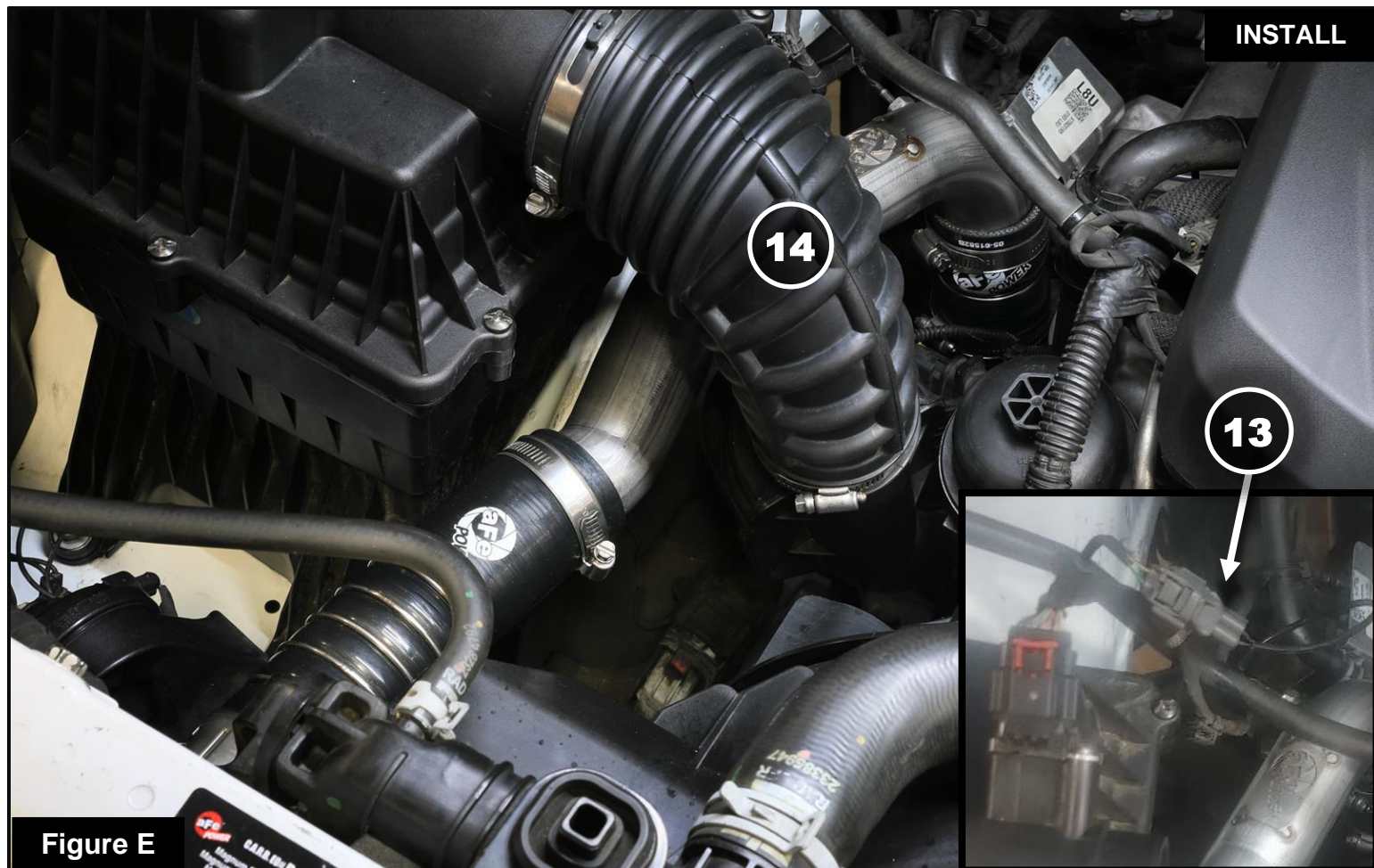


Figure E

Refer to Figure E for Steps 17-18

Step 17: Reconnect the electrical connector for the air temperature sensor on the hot side charge pipe. (13)

Step 18: Install the air intake tube back in the vehicle; tighten clamps to manufacturer's specification. (14)

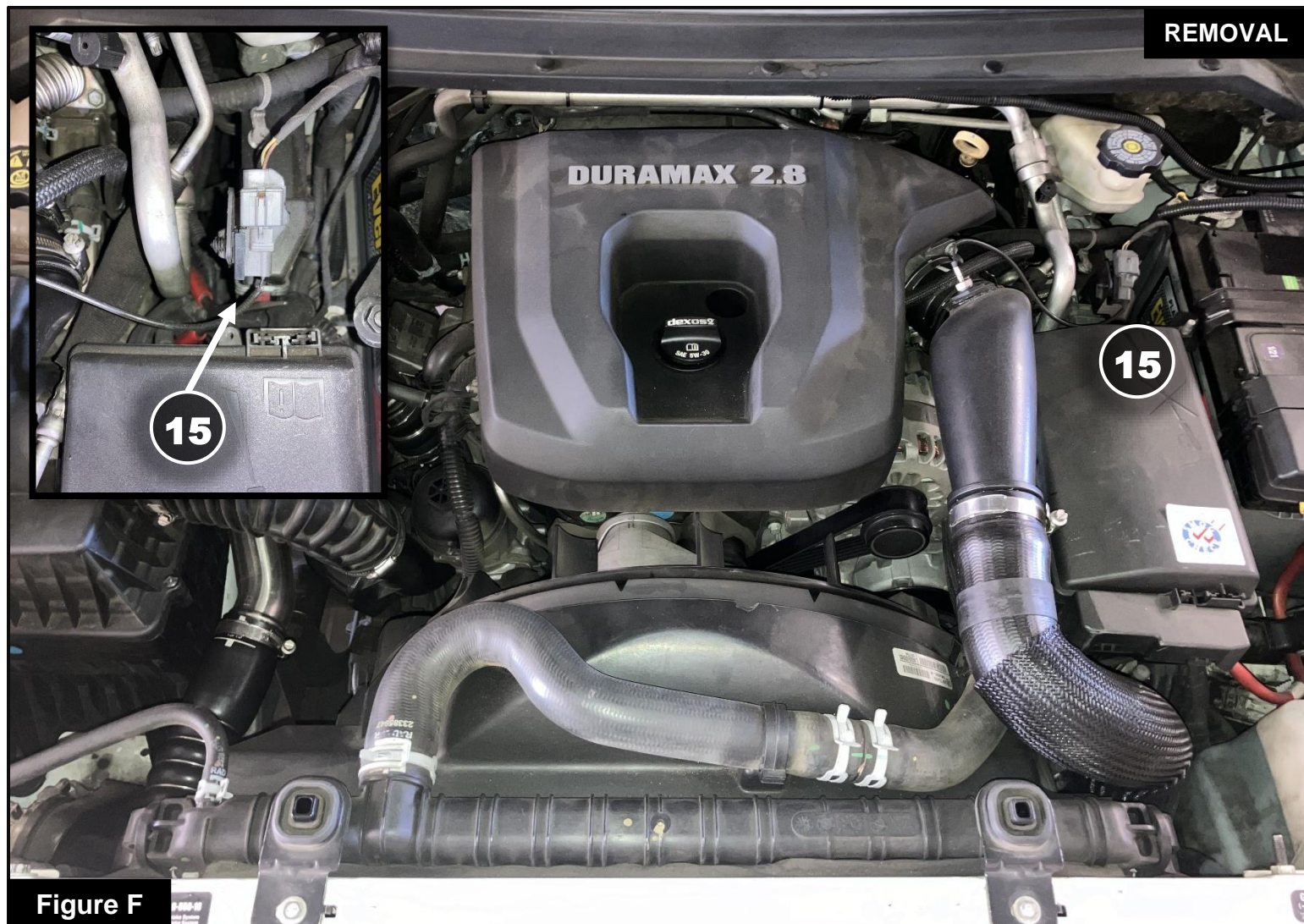
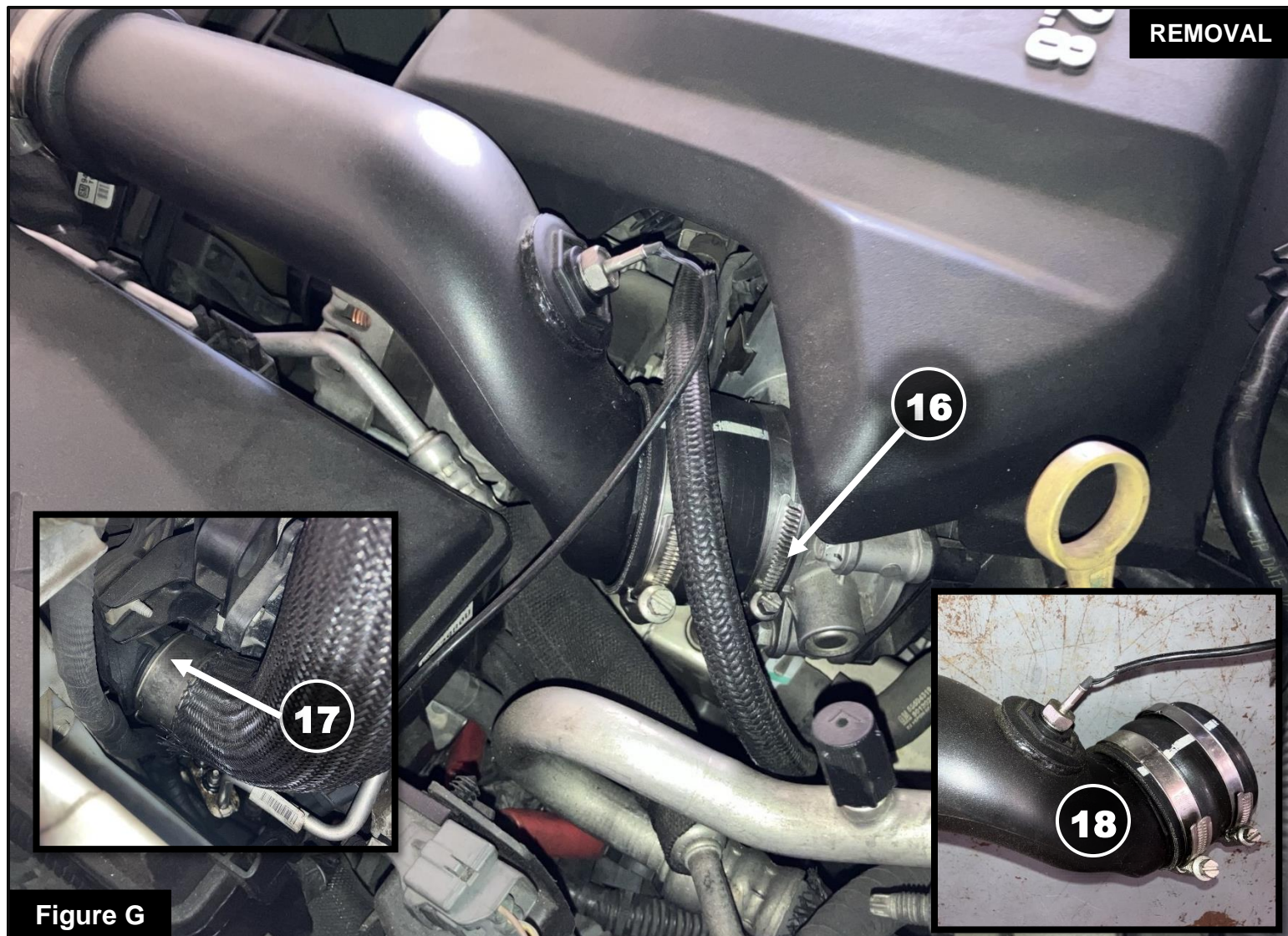


Figure F

Refer to Figure F for Step 19

Step 19: Disconnect the electrical connector to the air temperature sensor on the cold side charge pipe. ⑮



Refer to Figure G for Steps 20-23

Step 20: Loosen the clamp holding the OEM coupler to the throttle body. ①⑥

Step 21: Disengage the Quick Connector Retaining Spring at the intercooler. ①⑦

Step 22: Remove the OEM cold tube assembly from the intercooler.

Step 23: Remove the air temperature sensor from the OEM cold side charge pipe. ①⑧



Refer to Figure H for Steps 24-27

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

Step 24: Attach (2.60"ID x 2.75" x 57Deg) Elbow Coupler to the throttle body end of the cold side charge pipe with two (2) of the (2-1/2" – 3-1/16") 044-SmartSeal Clamps; leave clamps loose. (19)

Step 25: Attach 2.375"ID Hose w/ 50mm QC to the intercooler side of the cold side charge pipe with one (1) of the (2-1/2" – 3-1/16") 044-SmartSeal Clamps, fully seating on swaged, or reduced, portion of charge pipe; leave clamp loose. (20)

Step 26: Install the air temperature sensor into the aFe POWER cold side charge pipe; be sure to use thread sealant; torque to manufacturer's specification. (21)

Step 27: Lock the Quick Connector Retaining Spring into the open, disengaged position for easier installation. (22)



Figure I

Refer to Figure I for Steps 28-31

Step 28: Install the preassembled cold side charge pipe assembly, attaching the Quick Connector to the intercooler first. (23)

Step 29: Lock the Quick Connector Retaining Spring (Engaged position), ensuring it is resting in the groove encircling the intercooler inlet at all points (See Figure H for reference).

Step 30: Install the preassembled cold charge pipe assembly onto the throttle body and align the SmartSeal clamp to the bead on the throttle body. (24)

Step 31: Torque all SmartSeal clamps to 6 Ft-lbs. (72in-lbs).



Figure J

Refer to Figure J for Steps 32-34

Step 32: Reconnect the electrical connector for the air temperature sensor on the cold side charge pipe. (25)

Step 33: Reconnect the negative battery cable to the negative battery terminal.

Step 34: Your Installation is now complete!

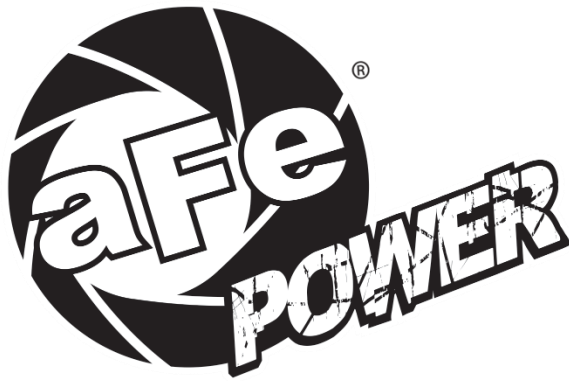
NOTE: Check all clamps, and connectors are secure after 100-200 miles



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