

***advanced FLOW engineering*** BladeRunner – Charge Pipe Cold

**Instruction Manual** P/N: 46-20269SS

Make: **GMC**

Model: **Canyon**

Year: **2016–2020**

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

Make: **Chevrolet**

Model: **Colorado**

Year: **2016–2020**

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



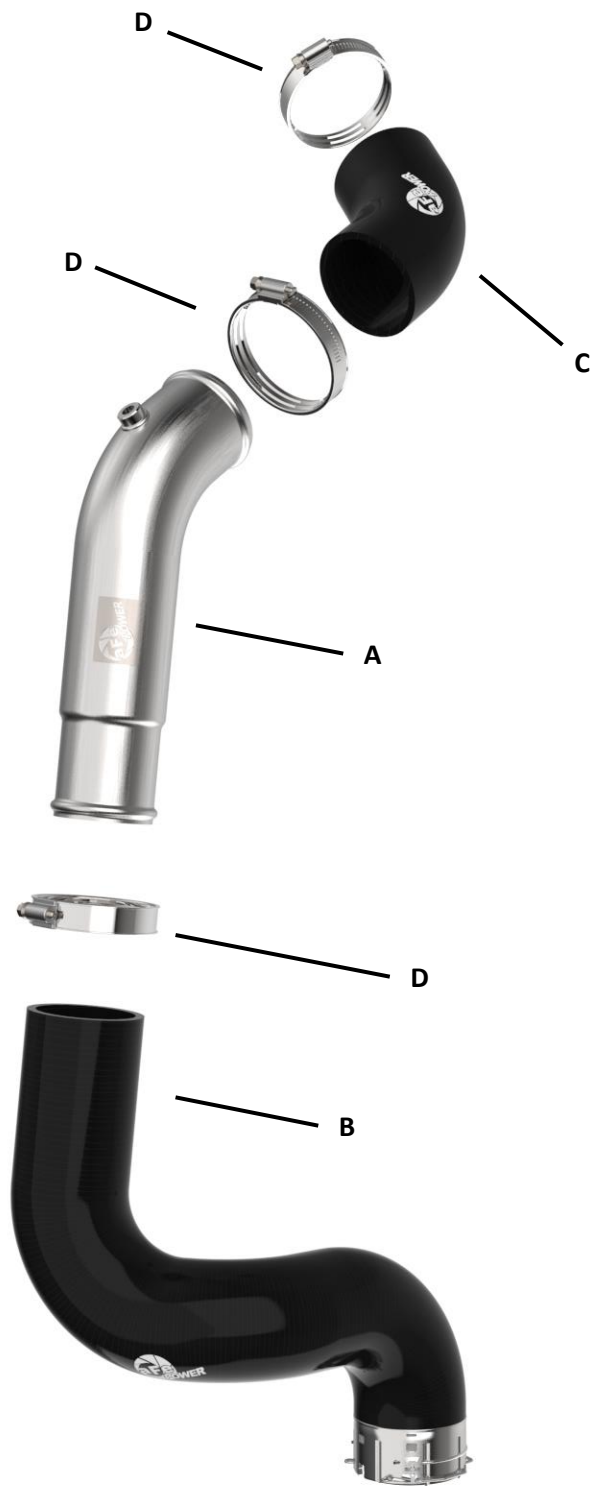
- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- For technical support please call 951-493-7185.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Retain factory parts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

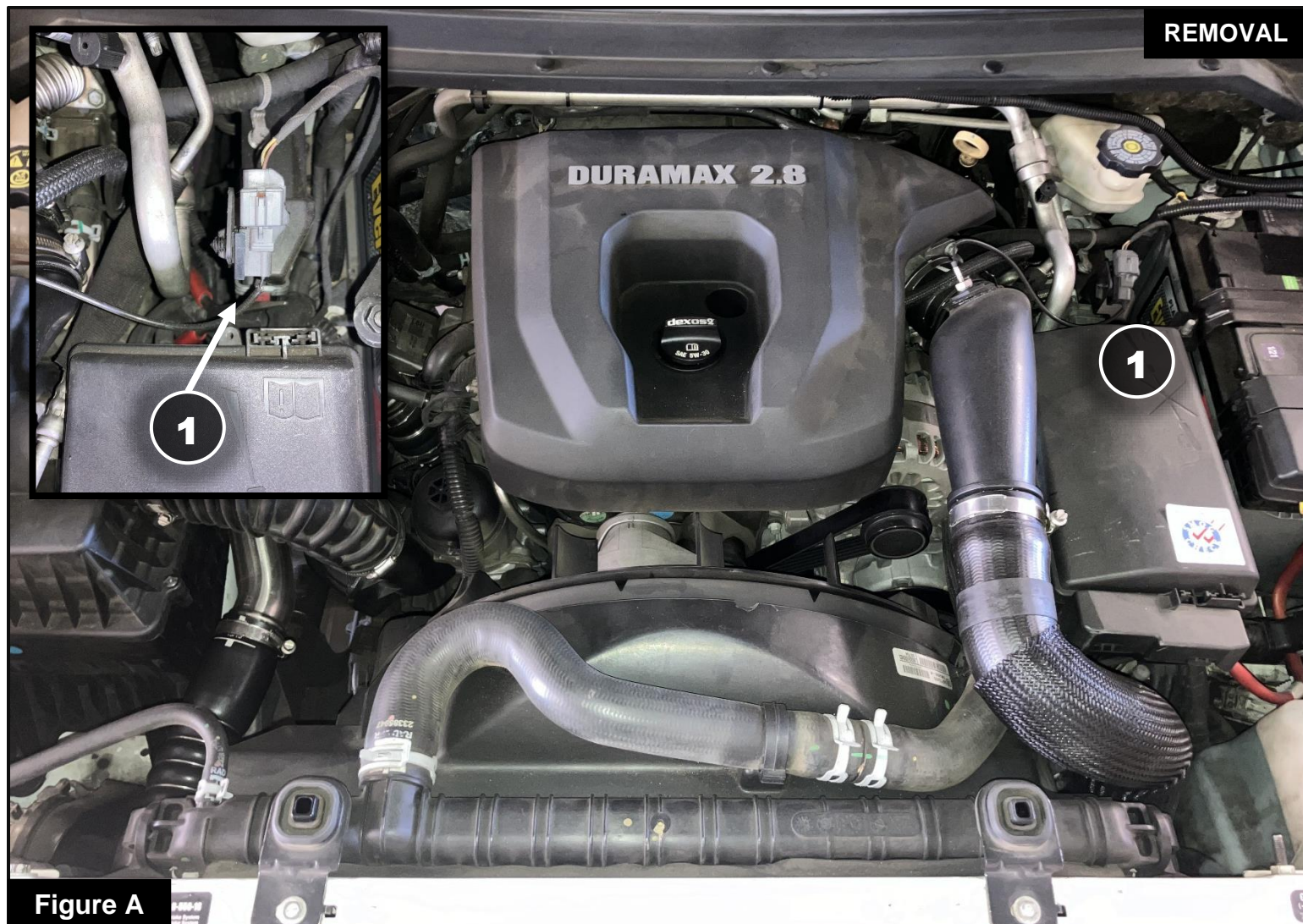
Label	Qty.	UoM	Description	Part Number
A	1	Ea.	Tube, Cold Side: 46-20269SS	05-61595A
B	1	Ea.	Hose; Silicone: 2.375"ID w/ 50mm QC	05-61584B
C	1	Ea.	Coupler, Silicone Elbow: 2.60"ID x 2.75" x 57Deg	05-61585B
E	3	Ea.	Clamp, SmartSeal, 044 (2-1/2" – 3-1/16")	03-50656

**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>



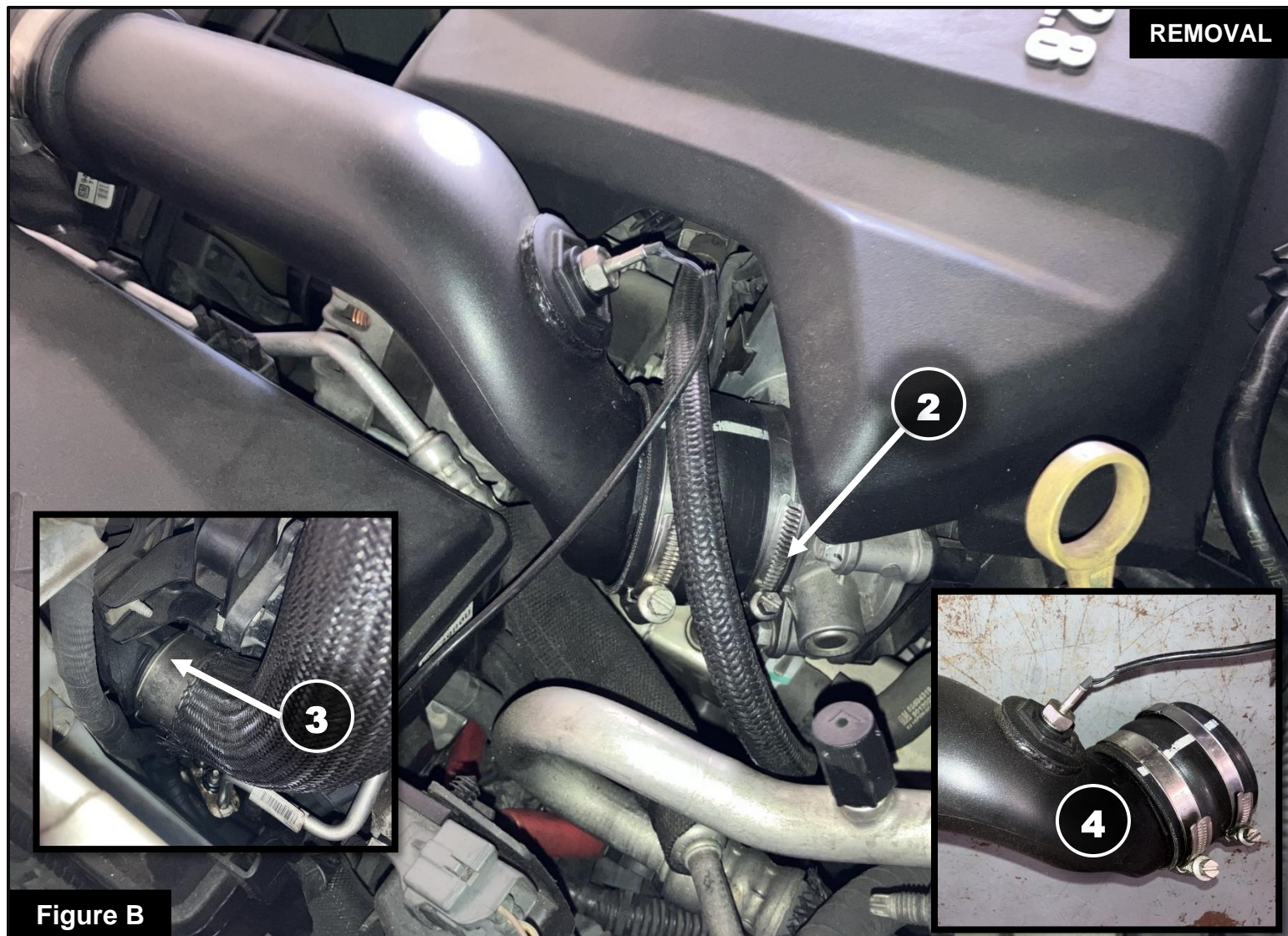


## **Refer to Figure A for Steps 1-2**

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

Step 2: Disconnect the electrical connector to the air temperature sensor on the cold side charge pipe. ①





### Refer to Figure B for Steps 3-6

Step 3: Loosen the clamp holding the OEM coupler to the throttle body. ②

Step 4: Disengage the Quick Connector Retaining Spring at the intercooler. ③

Step 5: Remove the OEM cold tube assembly from the intercooler.

Step 6: Remove the air temperature sensor from the OEM cold side charge pipe. ④





### **Refer to Figure C for Steps 7-10**

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

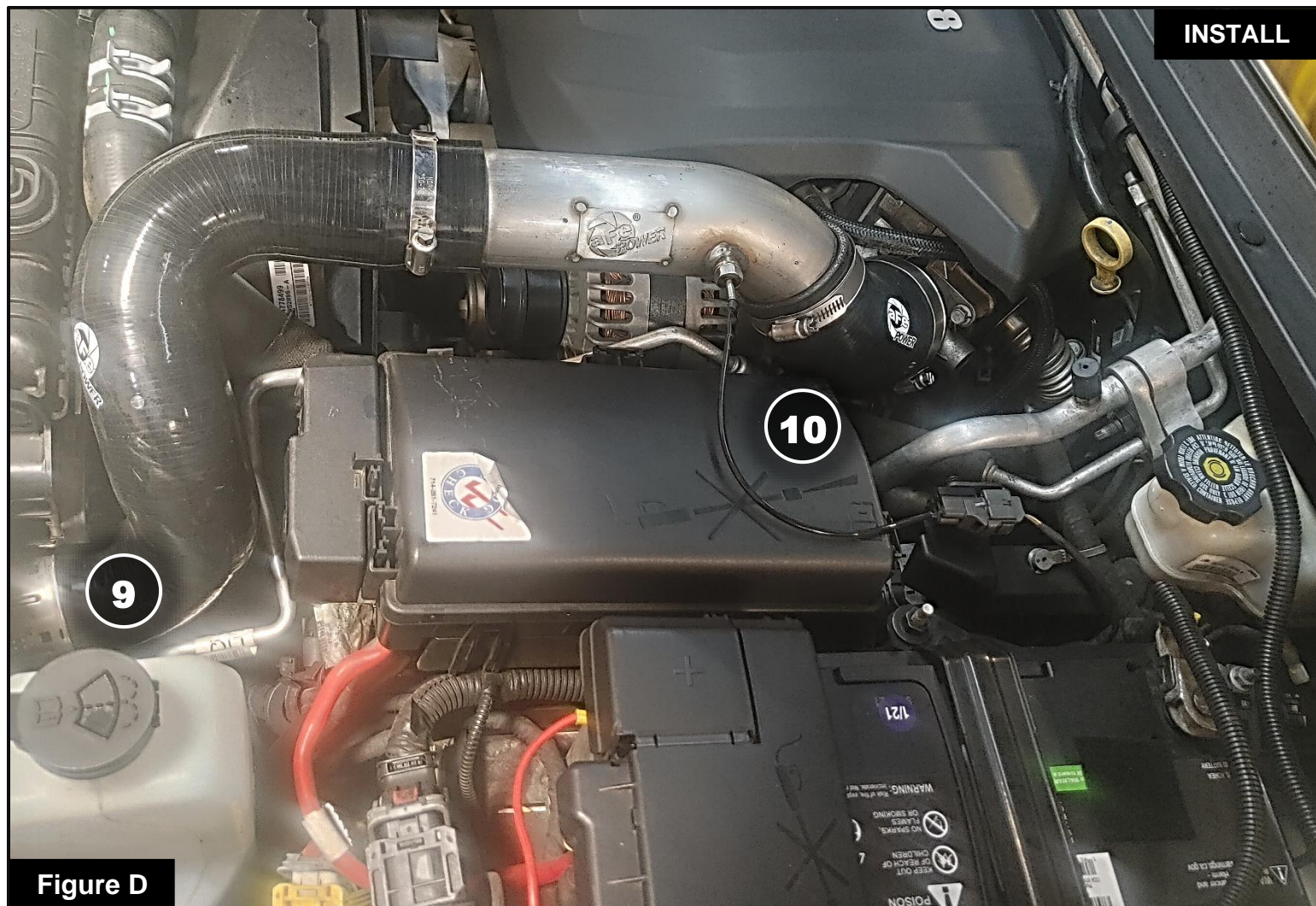
Step 7: Attach (2.60"ID x 2.75" x 57Deg) Elbow Coupler to the throttle body end of the cold side charge pipe with two (2) of the (2-1/2" – 3-1/16") 044-SmartSeal Clamps; leave clamps loose. (5)

Step 8: 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. (6)

Step 9: Install the air temperature sensor into the aFe POWER cold side charge pipe; be sure to use thread sealant; torque to manufacturer's specification. (7)

Step 10: Lock the Quick Connector Retaining Spring into the open, disengaged position for easier installation. (8)





**Figure D**

## **Refer to Figure D for Steps 11-14**

- Step 11: Install the preassembled cold side charge pipe assembly, attaching the Quick Connector to the intercooler first. (9)
- Step 12: 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).
- Step 13: Install the preassembled cold charge pipe assembly onto the throttle body and align the SmartSeal clamp to the bead on the throttle body. (10)
- Step 14: Torque all SmartSeal clamps to 6 Ft-lbs. (72in-lbs).



Figure E

### **Refer to Figure E for Steps 15-17**

Step 15: Reconnect the electrical connector for the air temperature sensor on the cold side charge pipe. ⑫

Step 16: Reconnect the negative battery cable to the negative battery terminal.

Step 17: Your Installation is now complete!

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





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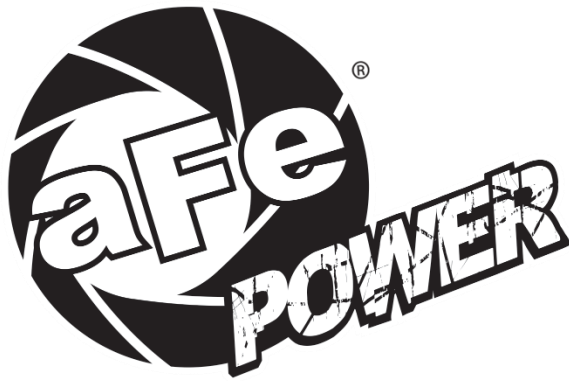


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