advanced FLOW engineering BladeRunner – Hot Side Charge Pipe Kit

Instruction Manual P/N: 46-20728-B

Make: **Toyota**	Model: **Land Cruiser (J250)**	Year: **2024-2026**	Engine: **L4-2.4L (t) Hybrid**
Make: **Toyota**	Model: **Tacoma**	Year: **2024-2026**	Engine: **L4-2.4L (t)**
Make: **Toyota**	Model: **Tacoma**	Year: **2024-2026**	Engine: **L4-2.4L (t) Hybrid**
Make: **Toyota**	Model: **4Runner**	Year: **2025-2026**	Engine: **L4-2.4L (t)**
Make: **Toyota**	Model: **4Runner**	Year: **2025-2026**	Engine: **L4-2.4L (t) Hybrid**

- **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 ENG: 46-20728-B	05-61510B-1
B	1	Ea.	Tube, Hot Side IC: 46-20728-B	05-61510B-2
C	1	Ea.	Coupling, Silicone Hump: 2.50”ID x 4"L	05-60439
D	2	Ea.	Clamp, SmartSeal, 044 (2.50" – 3.06")	03-50656
E	2	Ea.	O-Ring, 55mm ID x 2.5mm W	05-61150
F	1	Ea.	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029

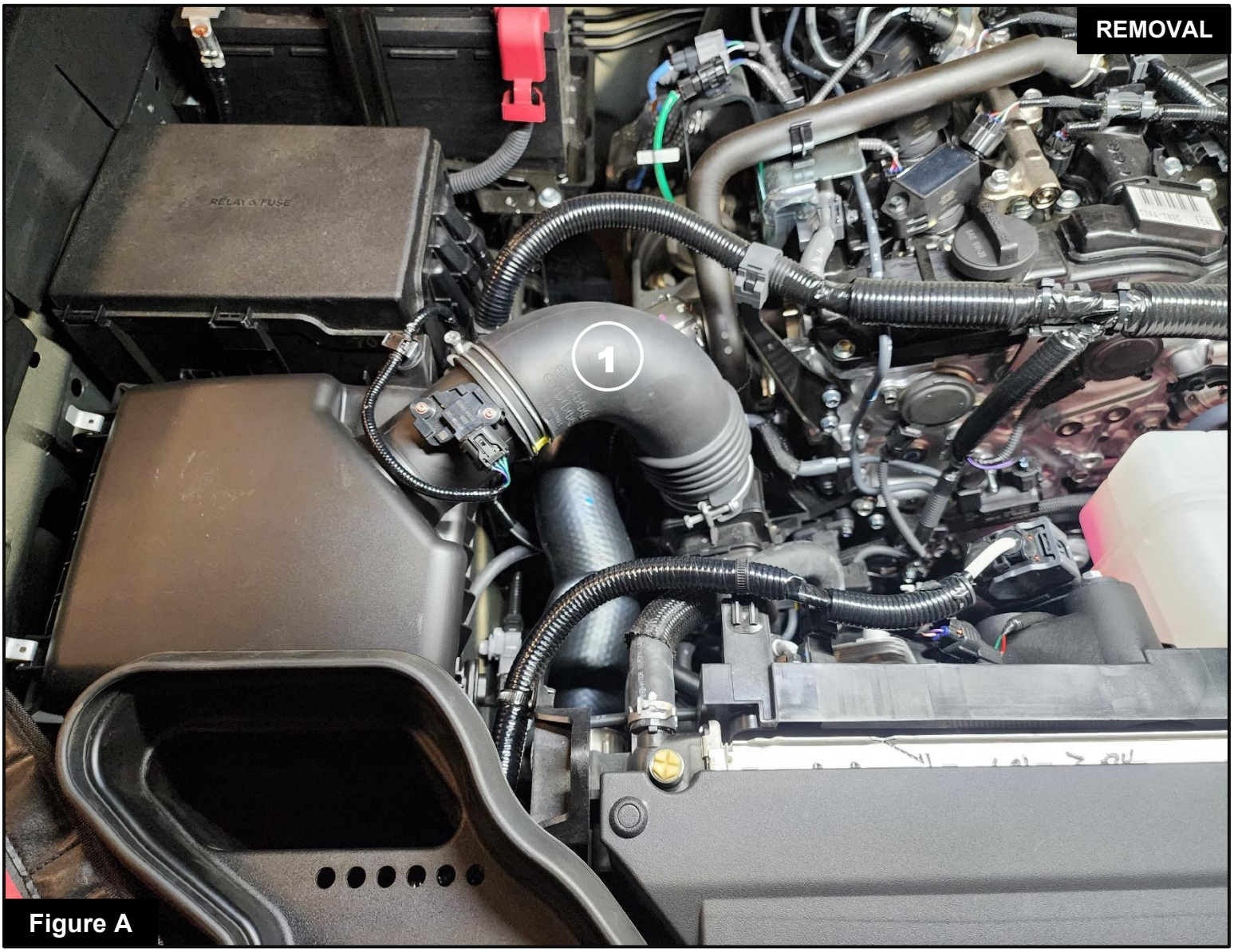
Installation will require the following tools:

8mm, 10mm sockets , 3/16” allen, 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.


A
D
C
D
E
B
E
F



Refer to Figure A for Steps 1-3

Step 1: Disconnect the negative battery cable.

Step 2: Loosen the clamps securing the air intake tube to the air box and turbo inlet (1.)

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

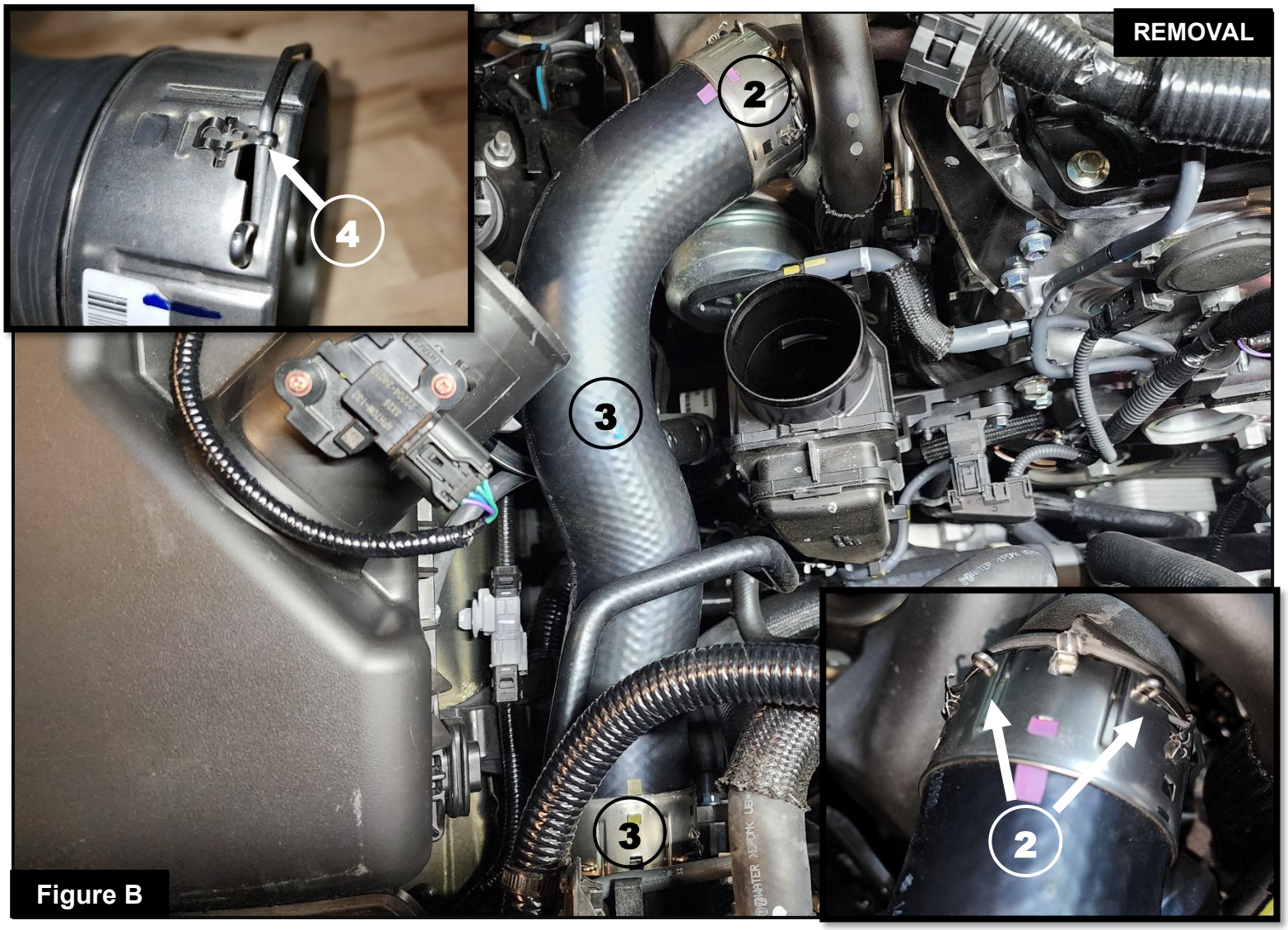


Figure B

Refer to Figure B for Steps 4-6

Step 4: Expand the retaining clip securing the hot side charge pipe onto the turbo outlet, then disconnect it from the turbo (2).

Step 5: Expand the retaining clip securing the hot side charge pipe onto the intercooler inlet (3), then remove the hot side charge pipe from the vehicle.

Step 6: Remove the factory retaining clips from the hot side charge pipe (4). Do this by gently lifting the tabs up on each side and sliding the clips out of the slots, set aside for later use.

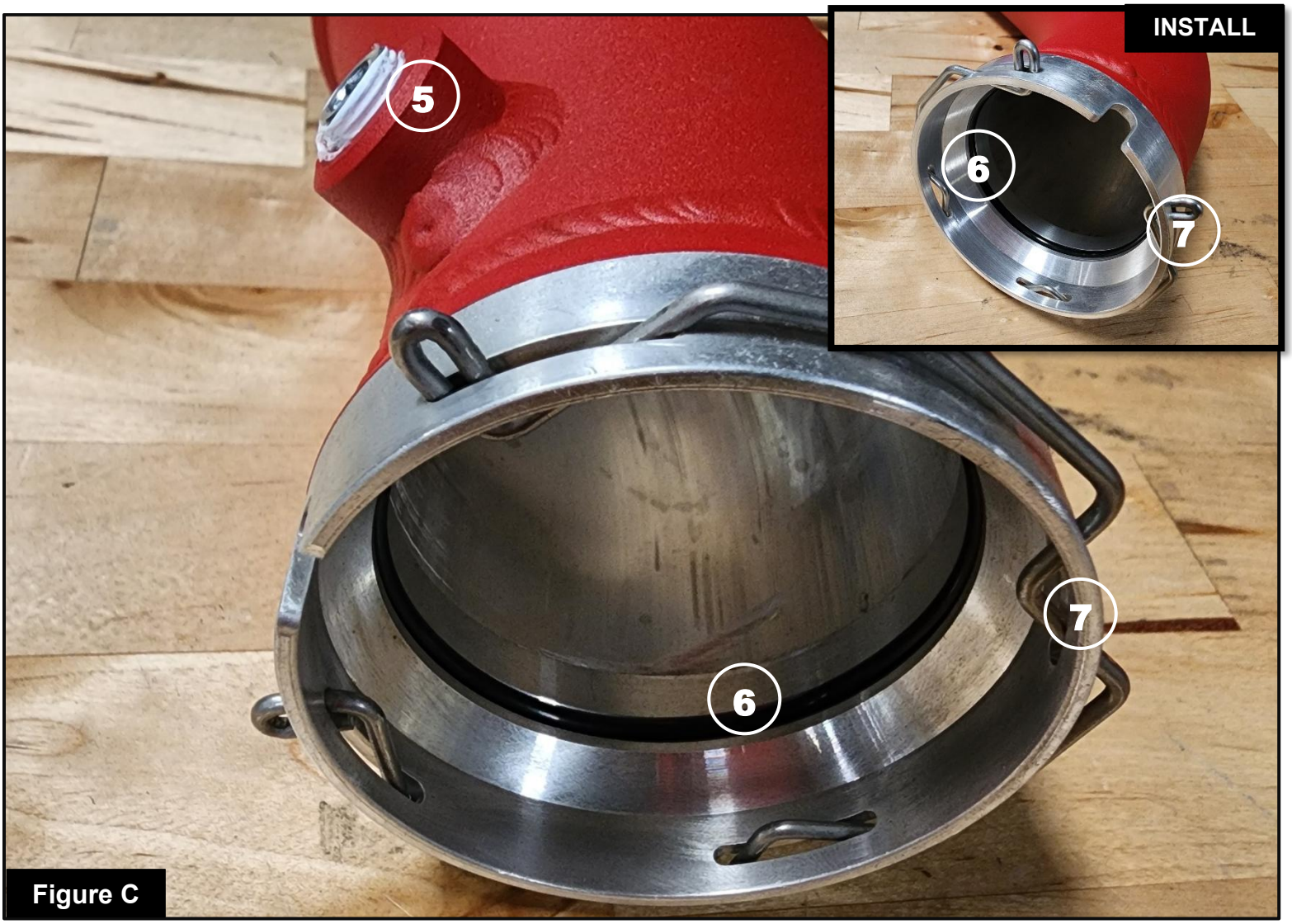


Figure C

Refer to Figure C for Steps 7-9

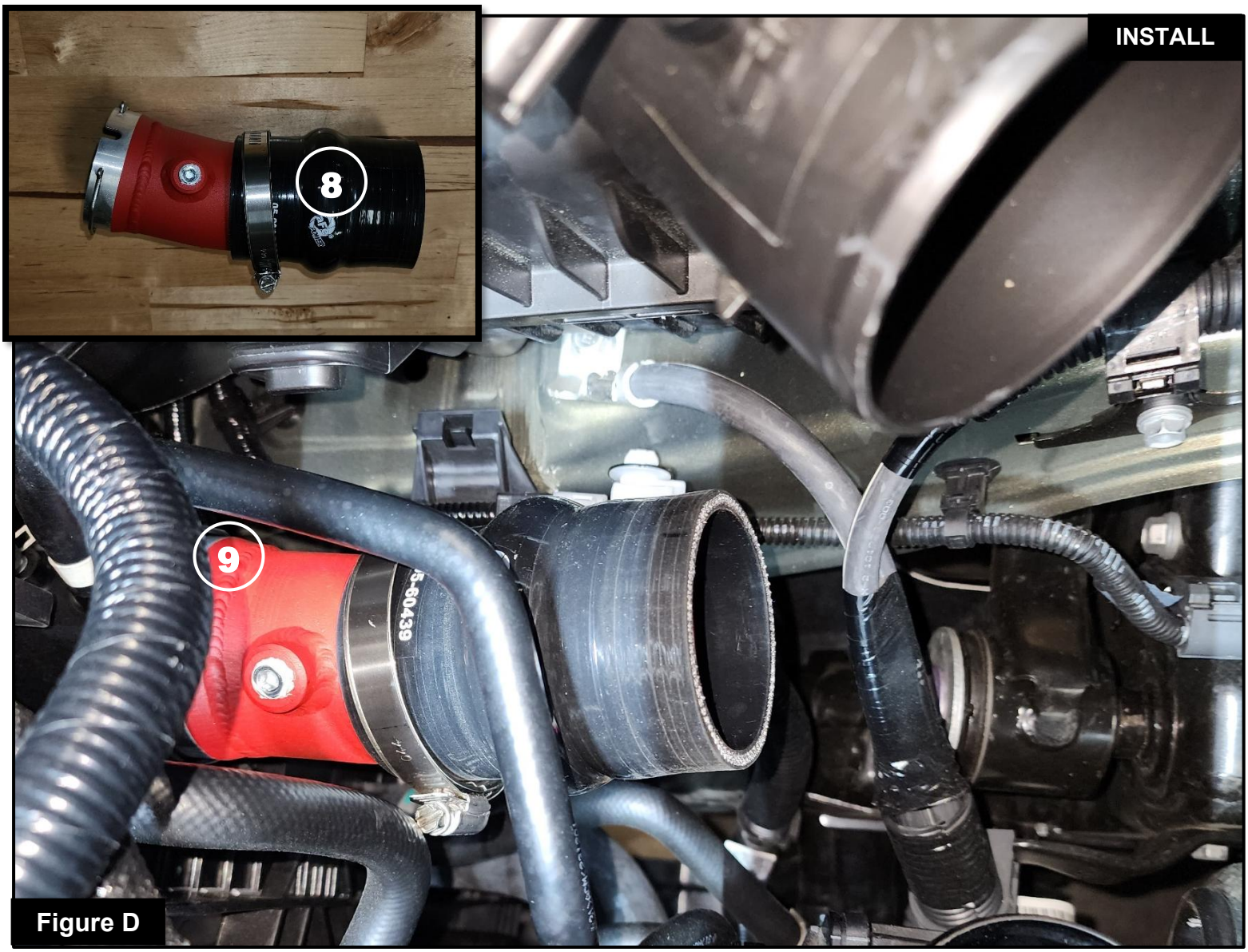
Note: Be sure to use thread sealant on the plug or sensor to prevent any leaking.

Step 7: If you are not using any aftermarket sensors, install the supplied 1/8” NPT plug into the threaded fitting on the aFe POWER IC hot side charge pipe (5.)

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

Step 8: Install the 55mm ID x 2.5mm W O-rings into the groove on the inside of each aFe POWER hot side charge pipe (6.)

Step 9: Install the factory retaining clips from Step 6 onto each aFe POWER hot side charge pipe (7.)



Refer to Figure D for Steps 10-11

Step 10: Install the 2.50”ID x 4”L silicone hump coupling onto the aFe POWER IC hot side charge pipe along with one 044 SmartSeal clamp (8.)

Step 11: Install the aFe POWER IC hot side charge pipe with coupling onto the intercooler inlet, and ensure the retaining clip snaps into place all the way around (9.)

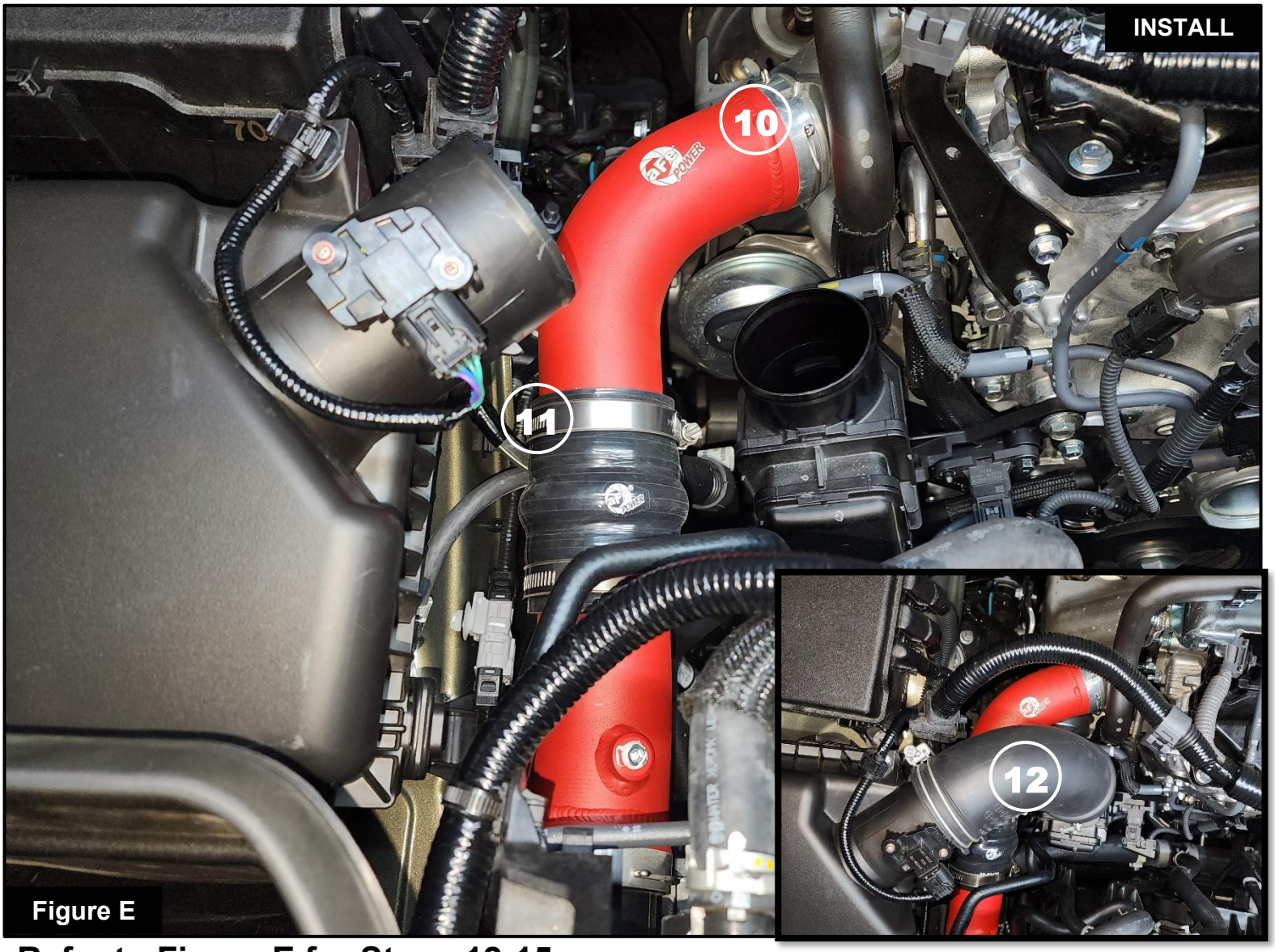


Figure E

Refer to Figure E for Steps 12-15

Step 12: Install the aFe POWER ENG hot side charge pipe onto the turbo, and ensure the retaining clip snaps into place all the way around (10)

Step 13: Install one 044 SmartSeal clamp onto the aFe POWER ENG hot side charge pipe, then connect the ENG hot side charge pipe to the coupling (11) from Step 10.

Step 14: Adjust and ensure the aFe POWER hot side charge pipes and coupling are not touching anything, then tighten the clamps.

Step 15: Install the air intake tube back into the vehicle (12) then tighten the clamps.

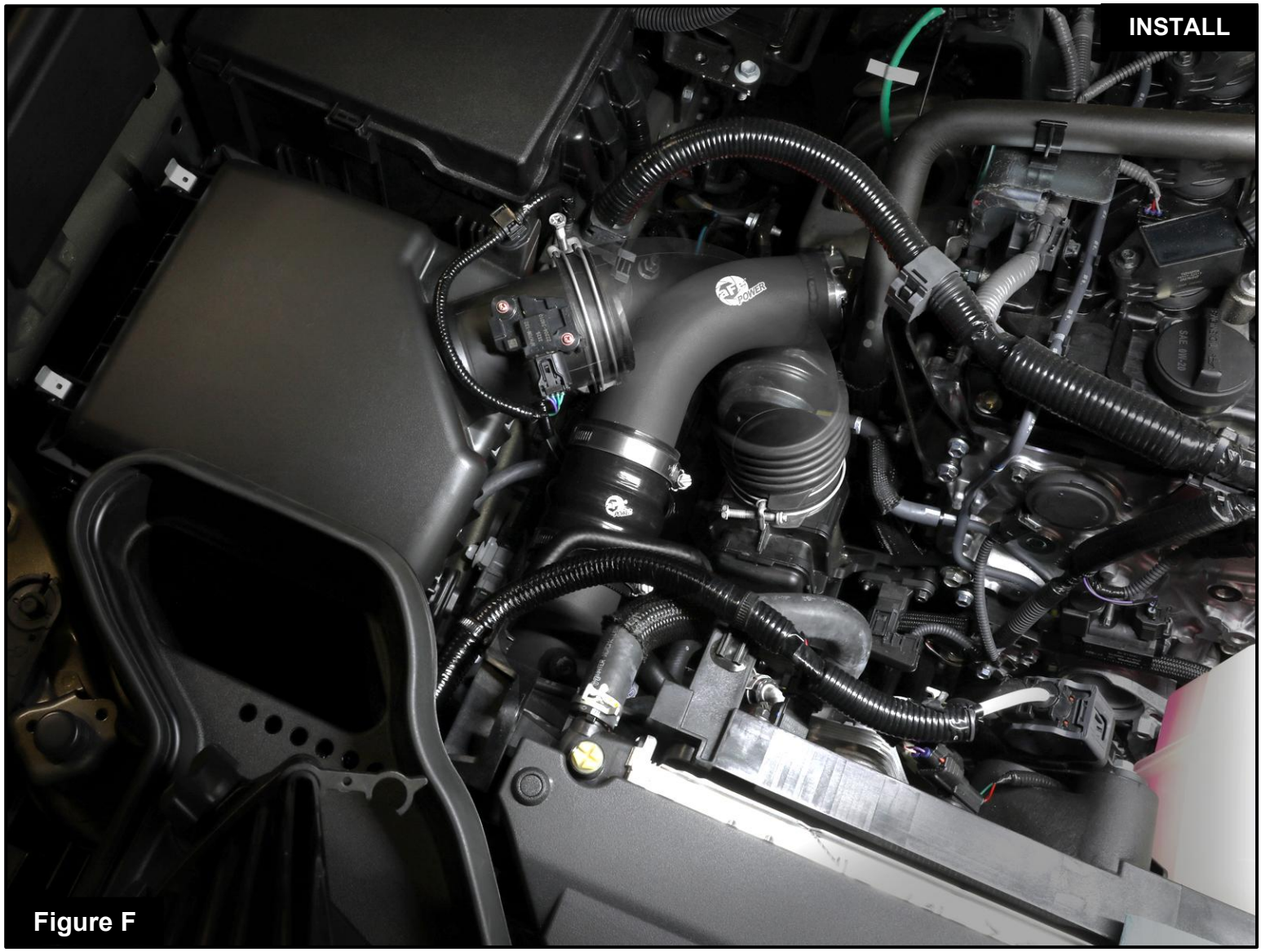


Figure F

Refer to Figure F for Steps 16-17

Step 16: Reconnect the negative battery cable.

Step 17: Install is now complete.

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

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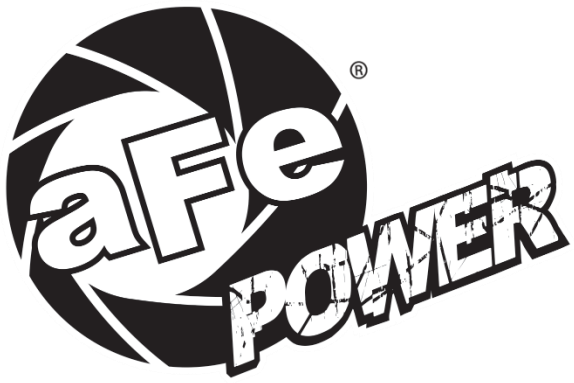

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