advanced FLOW engineering

Instruction Manual P/N: 46-20668-B

BladeRunner – Hot Side Charge Pipe Kit

Make: **Subaru**	Model: **WRX**	Year: **22 - 26**	Engine: **H4–2.4L(t)**
Make: **Subaru**	Model: **Outback**	Year: **20 - 26**	Engine: **H4–2.4L(t)**

- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Do not attempt to work on your vehicle when the engine is hot.
- Disconnect the negative battery terminal before proceeding.
- Retain factory parts for future use.

Label	Qty.	UoM	Description	Part Number
A	1	ea.	Tube, Hot Side: 46-2066X	05-61327B
B	1	ea.	Coupling, Silicone Hump Rdr: (2.65"x2.55")ID x 4"L	05-61324
C	2	ea.	Clamp, SmartSeal, 044 (2.50" – 3.06")	03-50656
D	1	ea.	O-Ring, Silicone (-328)	05-61332
E	1	ea.	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029

Installation will require the following tools:

8mm socket, 12mm socket, extension, 3/16” allen wrench, ratchet, pick, flat head screwdriver, thread sealant

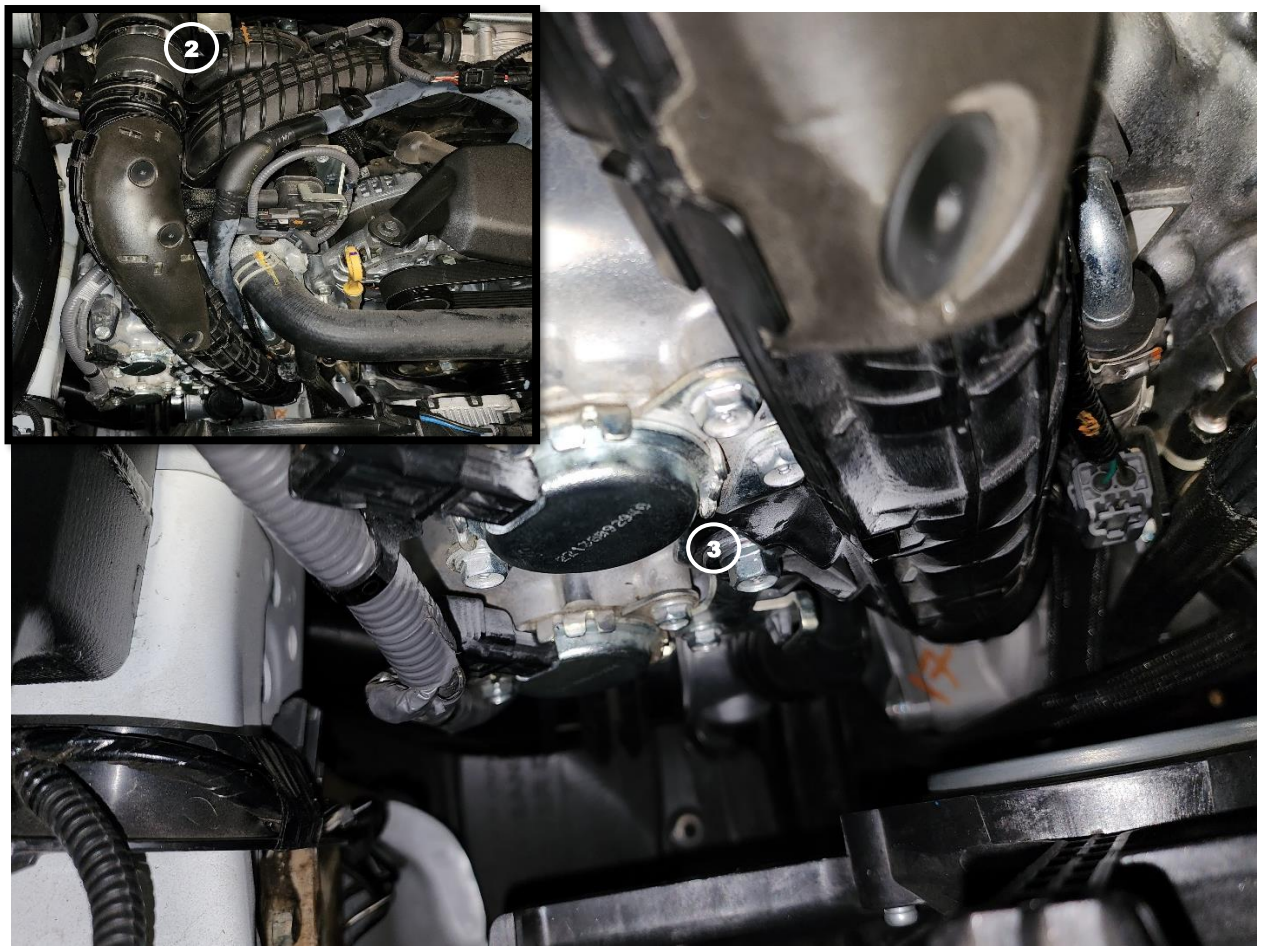
Note: This product is not currently CARB exempt and is not available for purchase in California or for use on any vehicle registered with the California Department of Motor Vehicles.

C
B
C
A
E
D

1. Park vehicle on level ground and engage the parking brake.

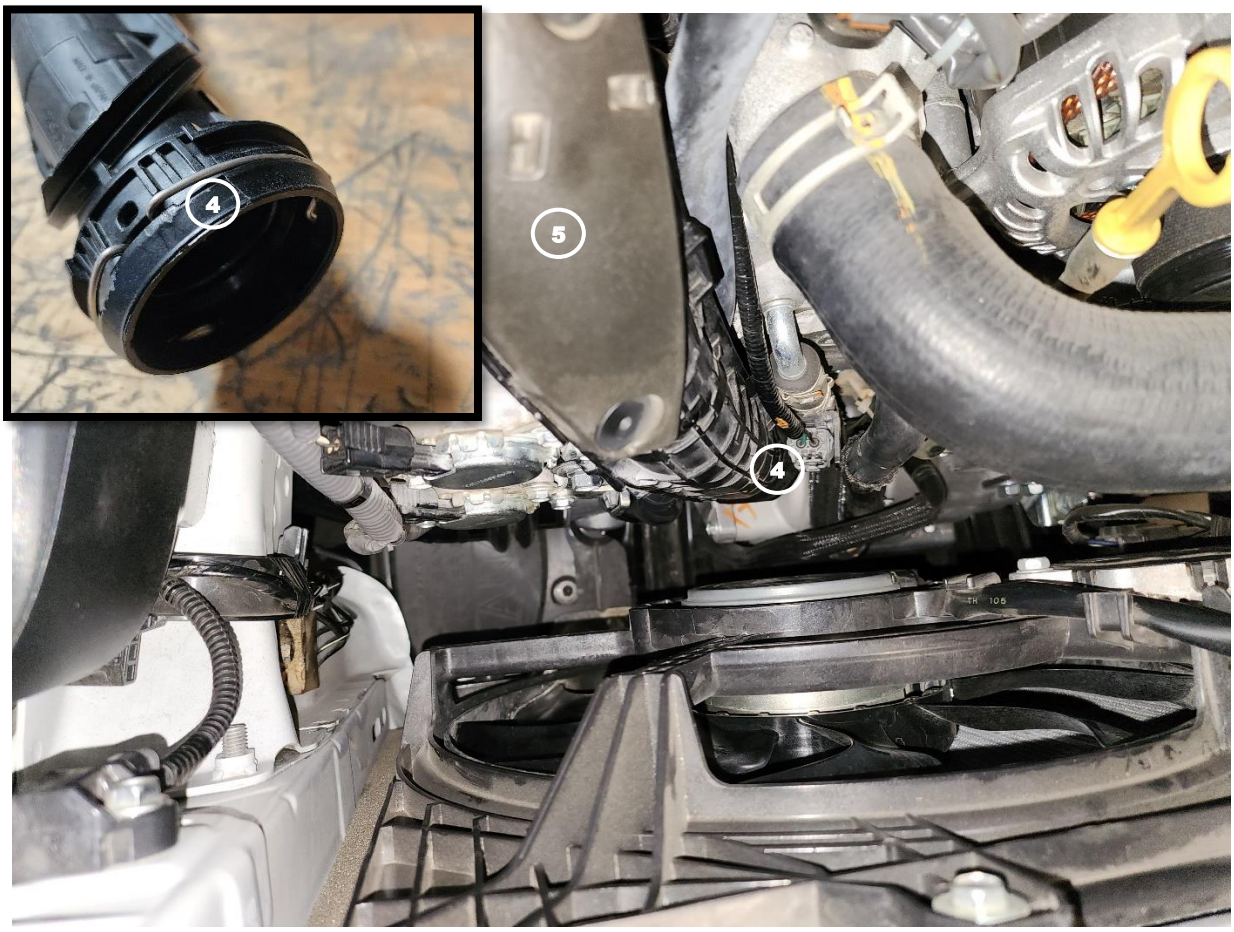
2. Disconnect the negative battery cable.

3. Remove clips securing the air intake scoop to the vehicle (1) then, remove the scoop from the vehicle.



4. Loosen the clamp connecting the charge pipe coupling onto the intercooler inlet 2.

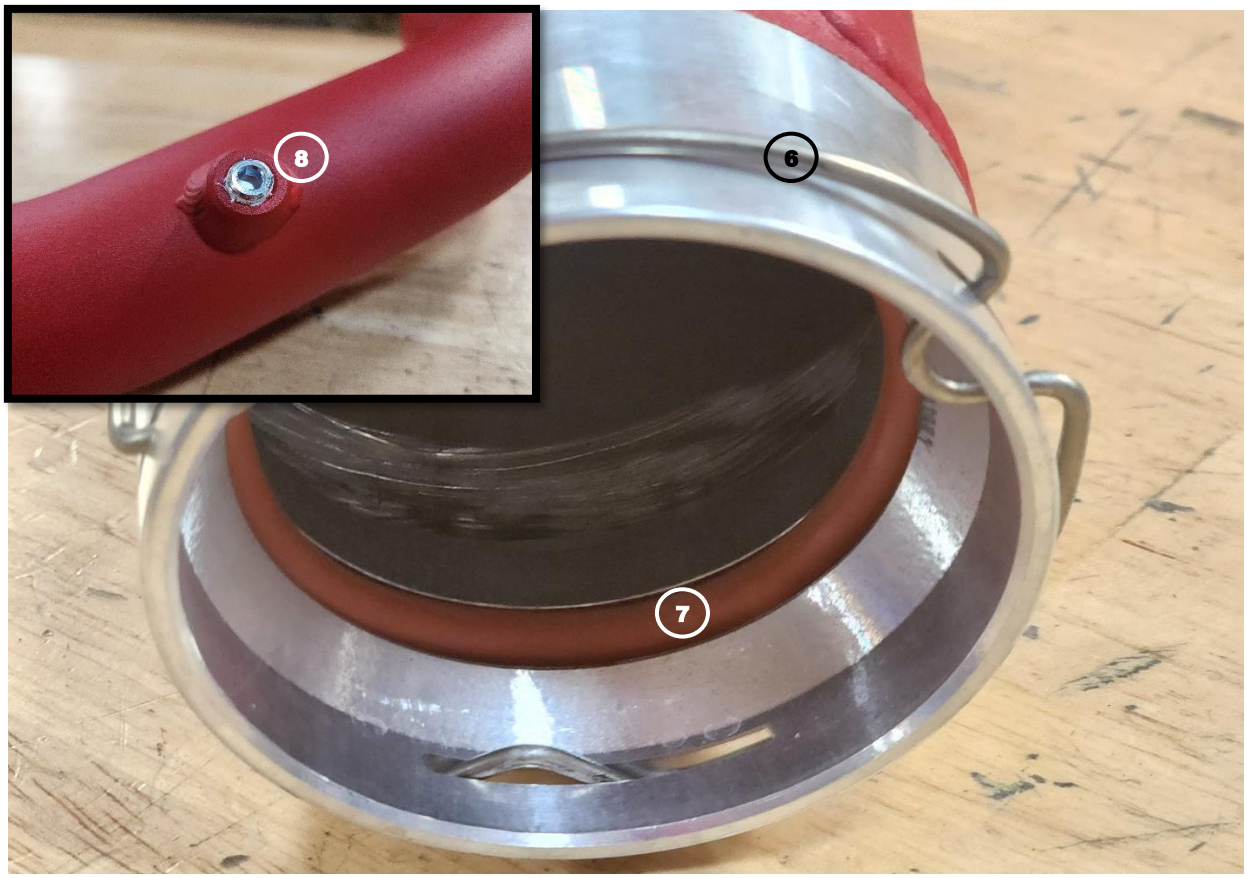
5. Remove the screw securing the charge pipe to the engine 3.



<u>Note: Step 6 can be done from the top or from underneath. If done from underneath, the belly pan will need to be removed.</u>

6. Using a flat head screwdriver lift the retaining clip out of its groove all the way around the charge pipe to turbo connection and remove the spring clip ④.

7. Disconnect the charge pipe from the intercooler inlet and lift the charge pipe up and out of the vehicle from the top ⑤.



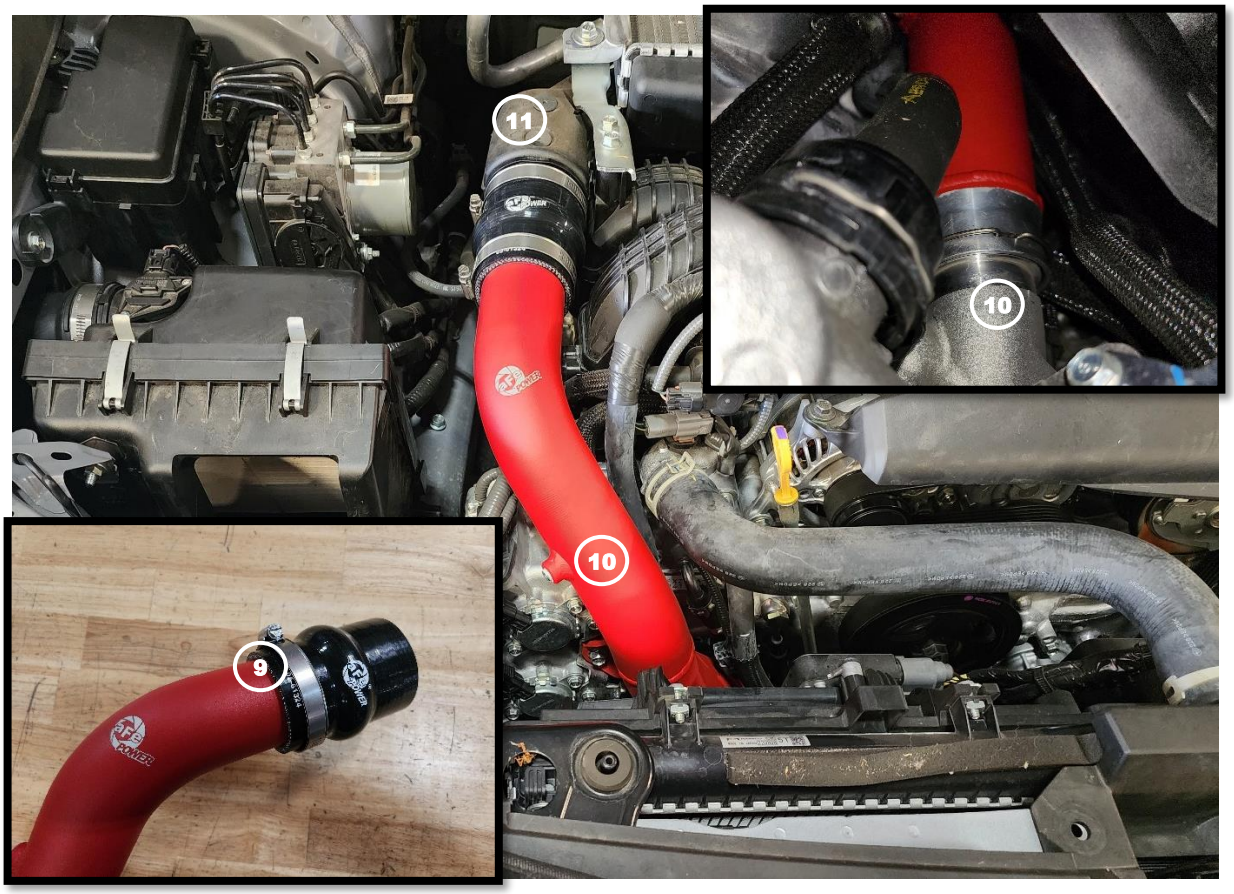
8. Install the factory retaining clip onto the supplied aFe hot side charge pipe 6.

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

9. Install the supplied -328 O-ring into the groove on the inside of the aFe hot side charge pipe adaptor 7.

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

10. If you are not using any aftermarket sensors, install the supplied 1/8” NPT plug 8 into the threaded fitting on the aFe hot side charge pipe.



11. Install the supplied aFe silicone reducer coupling, 2.65"x 2.55"x 4”L, (9) and one of the supplied 044 SmartSeal clamps onto the end of the aFe hot side charge pipe, do not tighten the clamp yet.

12. Install the aFe hot side charge pipe into the vehicle by first connecting it to the turbo. Ensure the retaining clip snaps in all the way into place (10).

13. Connect the aFe silicone reducer coupling, 2.65"x 2.55"x 4”L, (11) and one of the 044 SmartSeal clamps onto the intercooler inlet, do not tighten the clamp yet.

14. Install the factory mounting screw through aFe hot side charge pipe mounting bracket, but do not tighten the screw yet (12).

15. Adjust the coupling and clamps as necessary and be sure the aFe hot side charge pipe is not touching anything, then tighten the mounting screw.

16. Tighten of the clamps on the aFe hot side charge pipe.

17. Reinstall the air intake scoop and secure it with the factory clips (13)

18. Reconnect the negative battery cable.

19. Installation is now complete.

<u>Note: Be sure to check all connections after 50-100 miles.</u>

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