



advanced FLOW engineering

Instruction Manual P/N: 46-20078

BladeRunner – Charge Pipe Kit

Make: **Ford**

Model: **F250/350**

Year: **2008-2010**

Engine: **V8 – 6.4L(td)**



- 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.	Description	Part Number
A	1	Tube, Cold Side: 46-20078-B	05-61188B
B	1	Coupling, Silicone Hump: 3ID x 4L	05-60012
C	1	Coupling, Silicone Hump: 3ID x 4-1/8L w/ Int Bead	05-60229
D	4	Clamp, Spring Loaded T-Bolt: 3.25" Dia	03-50530
E	2	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029
F	1	Isolation Pad: 3" x 4" x 1/8"	03-50196

Installation will require the following tools:

7/16" deep socket. 10mm socket, 12mm socket 14mm socket, 3/16" allen wrench, 6" extension, ratchet, pick, thread sealant, & grease.

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

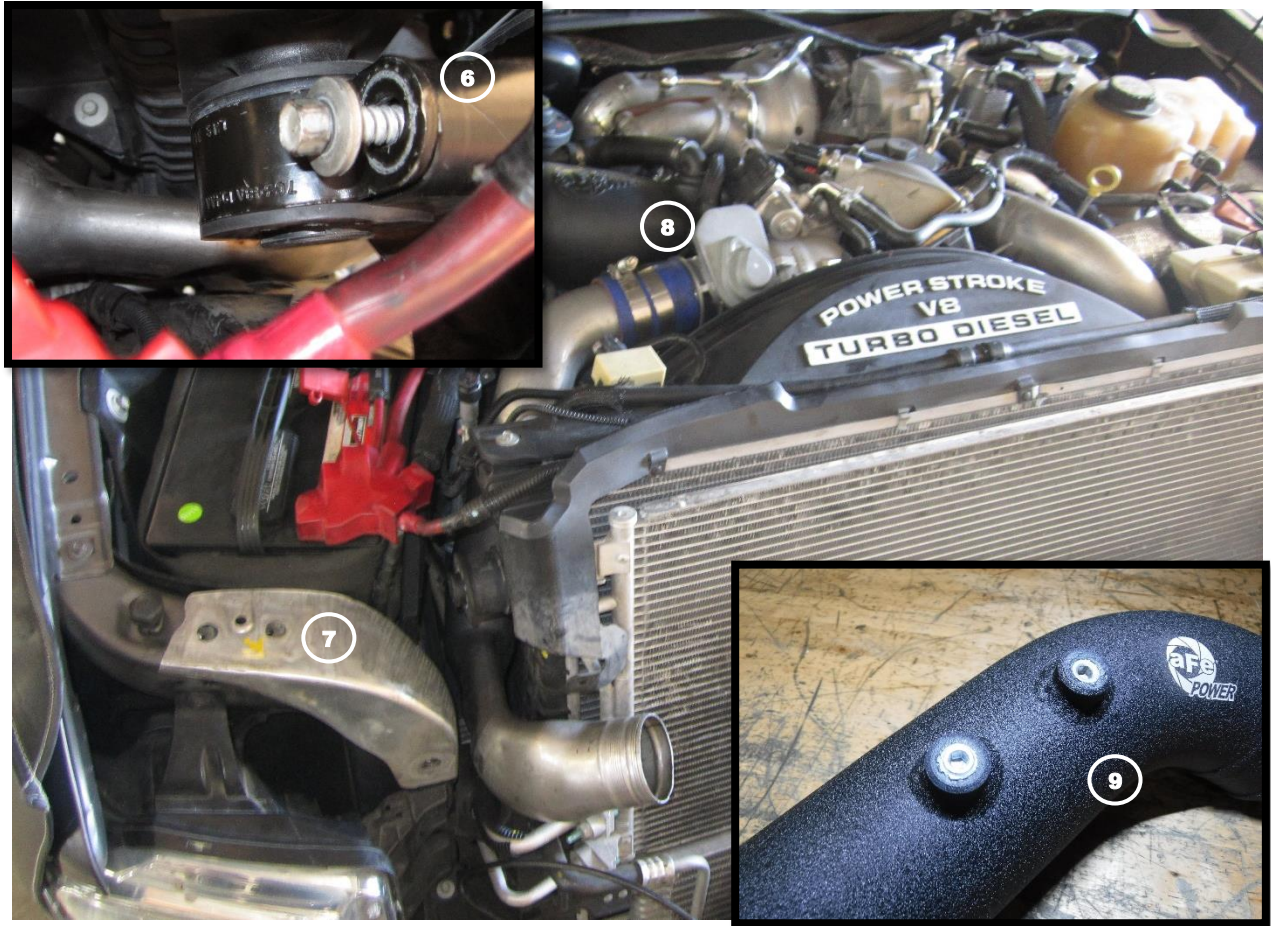
Note: Legal in California for use on race vehicles only. The use of this device on vehicles used on public streets or highways is strictly prohibited in California and others states that have adopted California emission regulations.





Note: It is recommended to trim the core support for the fitment of this charge pipe.

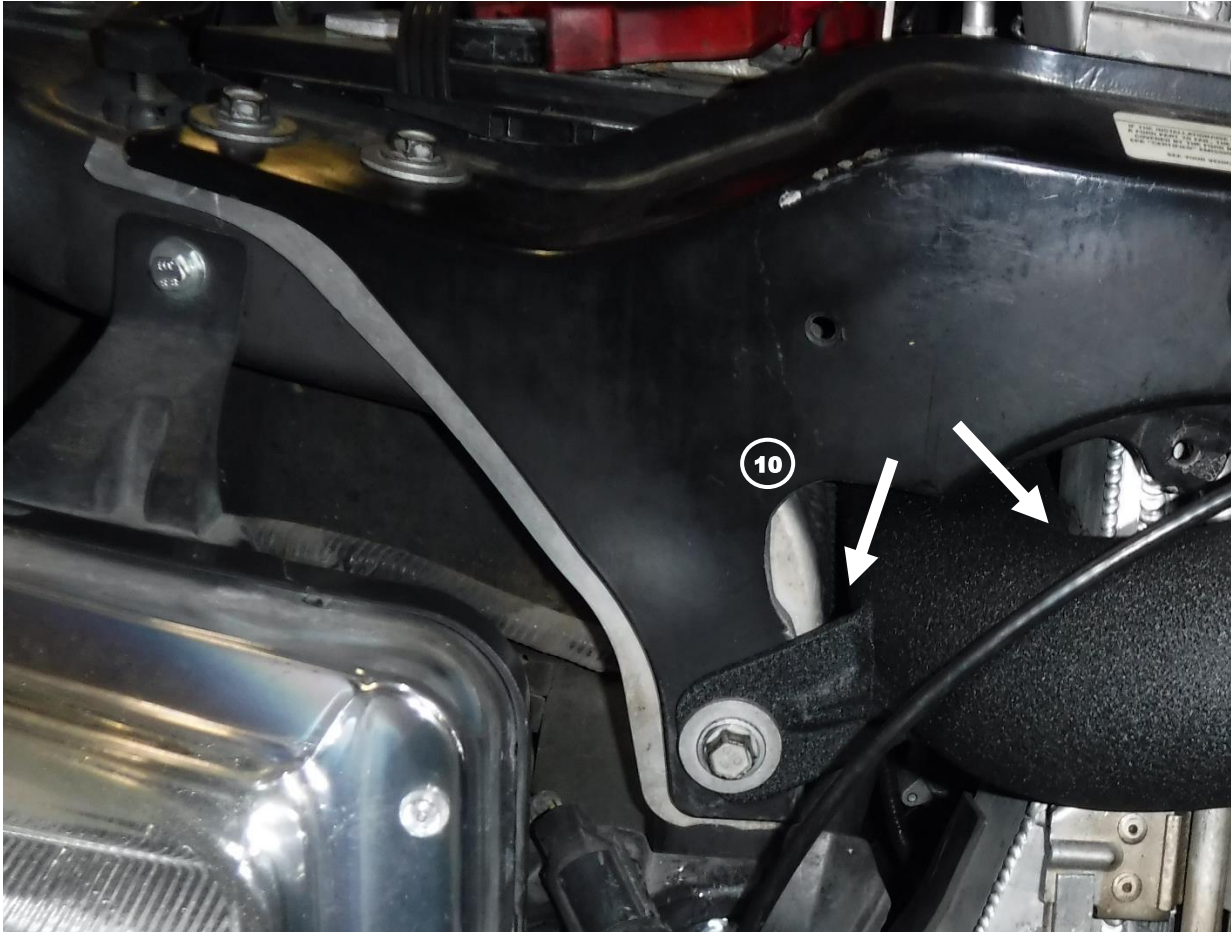
1. Park vehicle on level ground and engage the parking brake.
2. Disconnect the negative battery cables.
3. Loosen the clamps securing the cold side charge pipe to the intercooler outlet①then remove the coupling from the vehicle.
4. Disconnect the horn electrical connection from the horn and remove the screw securing it to the upper core support ②. Remove the horn from the vehicle.
5. Remove the screw securing the transmission cooler to the intercooler③and lift the cooler out of its saddle on the intercooler and sit it to the side.
6. Remove the two screws securing the intercooler to the upper core support ④to allow the intercooler to lean forward.
7. Mark the location of the hood latch using a marker to trace around the screws.
8. Remove the two screws securing the hood latch to the upper core support⑤then unclip the retaining clips and move to the side.



9. Remove the two (2) screws on each side of securing the radiator (6) to the upper core support and set the brackets and screws to the side.
10. Remove the three screws on each side of the upper core support (7) and remove the upper core support from the vehicle.
11. Loosen the clamp securing the cold side charge pipe coupling to the engine inlet (8) then remove the charge pipe and coupling from the vehicle

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

12. If you are not using any aftermarket sensors, install the supplied 1/8" NPT plugs (9) into the threaded fittings on the aFe cold side charge pipe

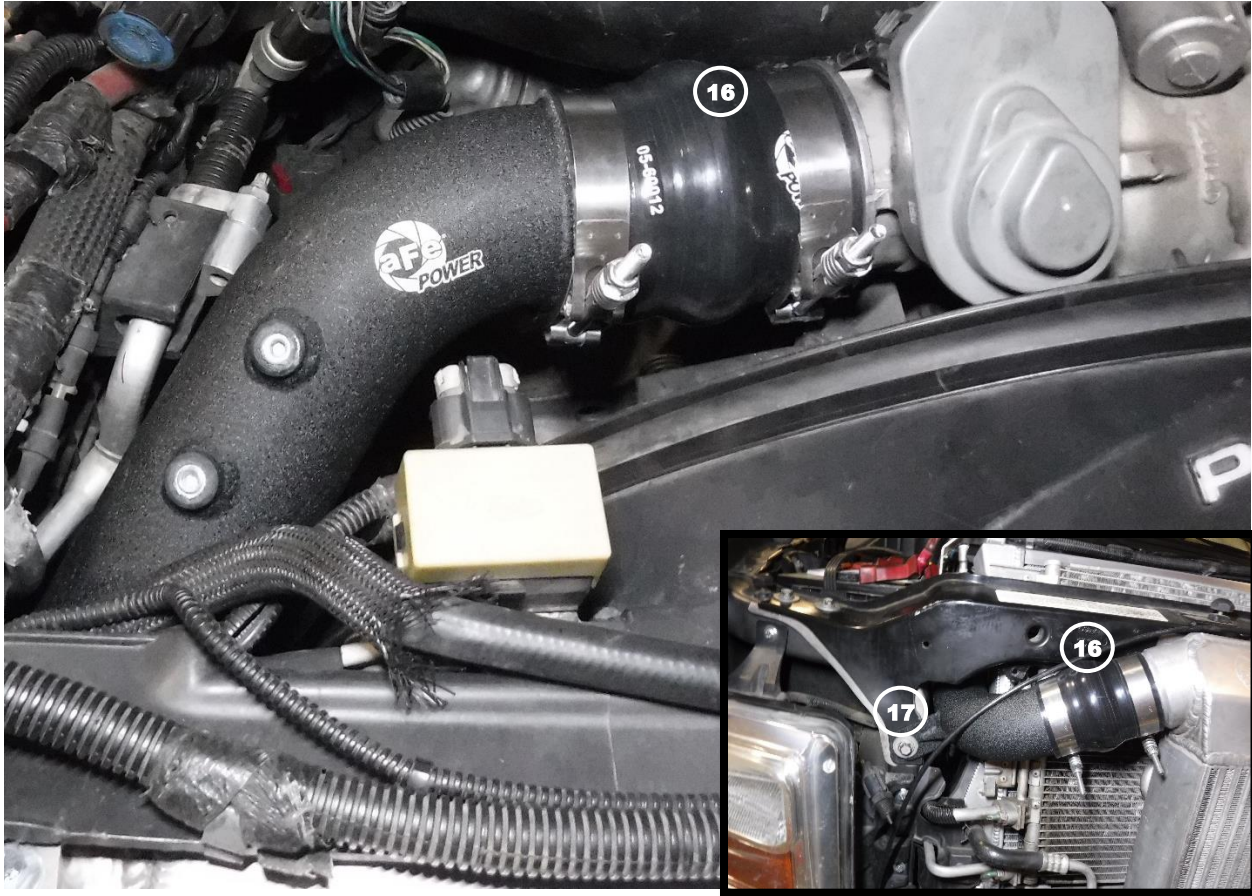


Note: Be sure to thoroughly clean all oil residue off of the connections before installing any of the aFe couplings onto the vehicle

13. Install the supplied aFe silicone hump coupling, 3"ID x 4"L, and two of the supplied 3.25" spring-loaded T-Bolt clamps onto the aFe charge pipe on the side without the bracket, do not tighten the clamps yet.
14. Place the charge pipe into the vehicle and connect the coupling from the previous step to the engine inlet.
15. Install the upper core support into the vehicle using the lower passenger side screw of the core support to **loosley** mount the aFe charge pipe.
16. Check to verify that there is enough clearance between the aFe charge pipe and the core support in the area above (10). There is an isolation pad included to be added in the areas noted above if needed.
17. If there is not enough clearance the upper core support will need to be trimmed slightly.



18. Secure the radiator to the core support using the factory brackets and screws.
19. Secure the hood latch to the upper core support (11) lining up the marks made in Step 7, then clip the retaining clips back into place.
20. Secure the intercooler to the upper core support (12)
21. Secure transmission cooler to the intercooler (13)
22. Secure horn to the upper core support and reconnect the electrical connector (14)
23. Install the supplied aFe silicone hump coupling, 3"ID x 4-1/8"L w/ Int bead, and two of the 3.25" spring-loaded T-Bolt clamps onto the aFe charge pipe on the side with the bracket (15) do not tighten the clamps yet.
24. Connect the coupling from the previous step to the intercooler, ensure that the beaded side mates up into to groove on the intercooler.



25. Ensure the aFe cold side charge pipe is not touching anything.

26. Tighten all of the clamps (16)

27. Tighten mounting screw (17)

28. Reconnect the negative battery cable.

29. Install is now complete.

Note: Be sure to check all connections after 50-100 miles.

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