



advanced FLOW engineering

Instruction Manual P/N: 46-52171

BladeRunner – Street Series Radiator

Make: **Dodge** Model: Ram 2500/3500 Year: 1994-2002 Engine: L6-5.9L (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.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

Label	Qty.	U.O.M.	Part No.	Description
A	1	each	05-61050	Radiator
B	4	each	03-50032	M6 x 12mm Hex Head Screw
C	4	each	03-50059	M6 Hex Nut
D	4	each	03-50070	M6 Washer
E	1	each	03-50579	Radiator Drain Fitting
F	1	each	05-61050_1	Overflow Barb Fitting

Installation will require the following tools:

10mm socket, 13mm socket, pliers, 6" extension, ratchet, flat head screwdriver.

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



A

B

C

D

E

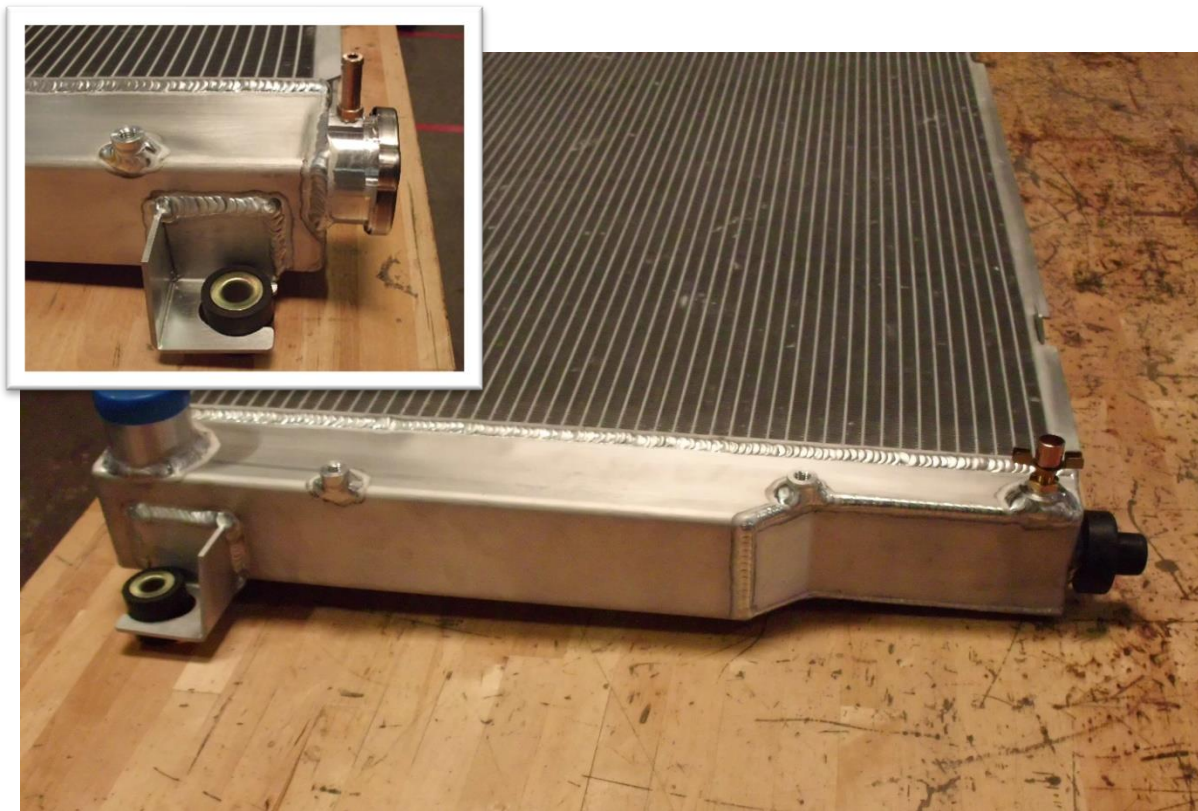
F



1. Park vehicle on level ground and engage the parking brake. Wait for vehicle to cool before beginning installation.
2. Disconnect both negative battery cables.
3. Open the petcock located on the bottom of the radiator and begin draining the coolant.
4. Remove the radiator cap and drain the remainder of coolant from the system.
5. Remove the four (4) nuts securing the wiring harness to the top of the radiator and move the wiring harness to the side.



6. Disconnect the upper radiator hose from the radiator and move the hose back away from the radiator.
7. Disconnect the lower radiator hose from the radiator and move the hose back away from the radiator.
8. Unclip the windshield washer reservoir from the fan shroud and move it to the side.
9. Remove the overflow hose from the barb fitting on the radiator filler neck.
10. Remove the four (4) screws securing the fan shroud to the radiator.
11. Lift the fan shroud and release the clips securing the top of the shroud to the radiator header plate.
12. Remove the two (2) screws securing the upper radiator mounts to the vehicle.
13. Push the fan shroud back and lift the radiator up and out of the vehicle.



Note: Install the mounting grommets in the same spot and orientation they were removed from the factory radiator.

14. Transfer the upper mount grommets and lower mount grommets from the OE radiator to the aFe radiator.

Note: Use thread sealant on the supplied drain valve and overflow fitting to prevent any leakage.

15. Install the supplied Radiator Drain Fitting onto the threaded port at the bottom of the aFe radiator.
16. Install the supplied Overflow Barb Fitting to the filler neck of the aFe radiator.



17. Install the aFe radiator into the vehicle and secure it to the core support using the factory mounting screws.
18. Install the fan assembly into the mounts on the back of the aFe radiator and secure it to the core support using the four (4) supplied M6 Screws and four (4) M6 Flat Washers.
19. Install the lower radiator hose onto the radiator using the OE clamp.
20. Install the upper radiator hose onto the radiator using the OE clamp.
21. Install the windshield washer reservoir onto the radiator shroud.
22. Install the coolant overflow hose onto the barbed fitting of the aFe radiator.
23. Install the battery wiring harness onto the studs on the top of the aFe radiator using the four (4) supplied M6 Nuts. **USE CAUTION. DO NOT OVER-TIGHTEN.**

24. Use the proper coolant refill procedure to be sure that all the air gets out of the system when refilling the coolant.
25. Fill the coolant expansion tank to the max line.
26. Reconnect the negative battery cables.
27. Test drive the vehicle.
28. Let the vehicle cool down then check coolant level, top off coolant if needed.
29. Install is now complete!

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

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