



advanced FLOW engineering

Instruction Manual P/N: 46-52151

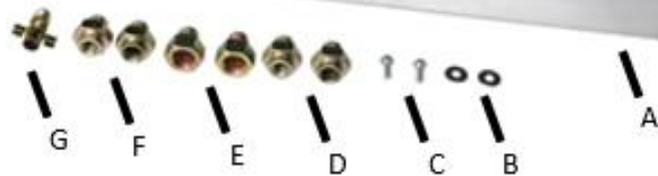
BladeRunner – Street Series Radiator

Make: Ford Model: F-250/350 Year: 1999-2004 Engine: V10-6.8L



- 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.	Description
A	1	Radiator
B	2	Washer, M6
C	2	Screw, M6x1.0
D	2	Fitting, Transmission Cooler (A)
E	2	Fitting, Transmission Cooler (B)
F	2	Fitting, Transmission Cooler (C)
G	1	Valve, Drain





1. Park vehicle on level ground and engage the parking brake.
2. Disconnect the negative battery cable.
3. Open the petcock and begin draining the coolant.
4. Remove the radiator cap and drain the remainder of coolant from the system.
5. Remove the clips securing the rubber cover to the top of the core support and grille then remove the cover from the vehicle.



6. Disconnect the lower radiator hose from the radiator.
7. Disconnect the lower expansion tank hose from the radiator.
8. Unclip the retainer for the transmission lines.
9. Disconnect the transmission cooler lines from their fittings on the radiator.



10. Disconnect the upper radiator hose from the radiator.
11. Disconnect the upper expansion tank hose from expansion tank.
12. Remove the three (3) screws securing the expansion tank to the vehicle.
13. Remove the expansion tank from the vehicle.



14. Remove the two (2) screws securing the can shroud to the radiator.

15. Lift fan shroud up and out of its lower mounts and push back.



16. Remove the screws securing the two (2) upper radiator mounts to the vehicle.
17. Remove the radiator mounts from the vehicle.
18. Lift the radiator up and out of the vehicle.



Note: Be sure to identify the correct style transmission cooler line fitting your vehicle came equipped with.

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

19. Install the two (2) supplied transmission cooler fittings onto the threaded ports on the back of the supplied aFe radiator.

Note: Be sure to use thread sealant on the supplied drain valve to prevent any leaking.

20. Install the drain valve onto the threaded port on the back of the aFe radiator.
21. Transfer the upper expansion tank hose from the factory radiator to the aFe radiator.



22. Ensure the factory lower radiator grommets are in the lower mounts of the vehicle.
23. Install the aFe radiator into the vehicles lower mounting grommets.
24. Ensure the factory upper radiator grommets are in the metal mounts removed in Step 17.
25. Install the upper mounts into the vehicle and secure them to the core support using the factory mounting screws.
26. Install the fan shroud into the lower mounts on the back of the aFe radiator.
27. Secure the fan shroud to the aFe radiator using the two (2) supplied M6x1.0 screws and M6 washers.



28. Install the expansion tank into the vehicle.
29. Secure the expansion tank to the vehicle using the factory screws.
30. Reinstall the upper expansion tank hose onto the expansion tank.
31. Install the upper radiator hose onto the aFe radiator.



32. Secure the two (2) transmission cooler lines into the fittings on the aFe radiator, be sure the retaining clip is properly clipped in all the way around if equipped.
33. Install the lower radiator hose onto the aFe radiator.
34. Install the coolant expansion tank lower hose onto the aFe radiator.



35. Reinstall the rubber cover onto the top of the core support and grille using the factory clips.
36. Use the proper coolant refill procedure to be sure that all the air gets out of the system when refilling the coolant.
37. Fill the coolant expansion tank to the max line.
38. Reconnect the negative battery cable.
39. Use the proper procedure to check the transmission fluid level, top off if needed.
40. Test drive the vehicle.
41. Let the vehicle cool down then check coolant level, top off coolant if needed.
42. Install is now complete!

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

Warranty

General Terms:

- aFe warrants their products to be free from manufacturer’s defects due to workmanship and material.
- This warranty applies only to the original purchaser of the product and is non-transferrable.
- Proof of purchase of the aFe product is required for all warranty claims.
- Warranty is valid provided aFe instructions for installation and/or cleaning were properly followed.
- Proper maintenance with regular inspections of product is required to insure warranty coverage.
- Damage due to improper installation, abuse, unauthorized repair or alteration is not warranted.
- Incidental or consequential damages or cost, including installation and removal of part, incurred due to failure of aFe product is not covered under this warranty.
- All warranty is limited to the repair and/or replacement of the aFe part. To request Return Goods Authorization (“RGA”), email RGA@afepower.com or call (951)493-7100. Upon receipt of the RGA, you must return the product to the address provided in the RGA, freight prepaid and accompanied with a dated proof of purchase and the RGA. Upon receipt of the defective product and upon verification of proof of purchase, aFe will either repair or replace the defective product within a reasonable time, not to exceed thirty days.

<u>Product Category</u>	<u>P/N Prefix</u>	<u>Warranty duration</u>
Direct OE Replacement Filters	10, 11, 30, 31, 71, 73	Life of the vehicle
Racing Filters	18	1 year
Universal	21, 24, 72	2 years
Air Intake Systems	50, 51, 54, 55, 75	2 years
Exhaust Systems	49	2 years
Intercoolers & Intercooler Tubes	46-2	2 years
Intake Manifolds	46-1	2 years
Differential Cover	46-7	Life of the vehicle
Transmission Pans / Oil Pans	46-7	Life of the vehicle
Turbochargers	46-6	2 years
Exhaust Manifolds	46	2 years
Throttle Body Spacers	46-3	2 years
Fluid Filters	44	90 days
Pre-Filters	28	2 years
Heavy Duty OE Replacement	70	2 years
PowerSports OE Replacement	81,87	2 years
PowerSports Intake Systems	85	2 years

No other warranty expressed or implied applies nor is any person or advanced FLOW engineering authorized to assume any other warranty. Some States do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

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