



advanced FLOW engineering

Instruction Manual P/N: 46-20043-B

BladeRunner Cold Side Intercooler Tube

Make: **GM** Model: **2500/3500** Year: **2001** Engine: **V8 – 6.6L (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.

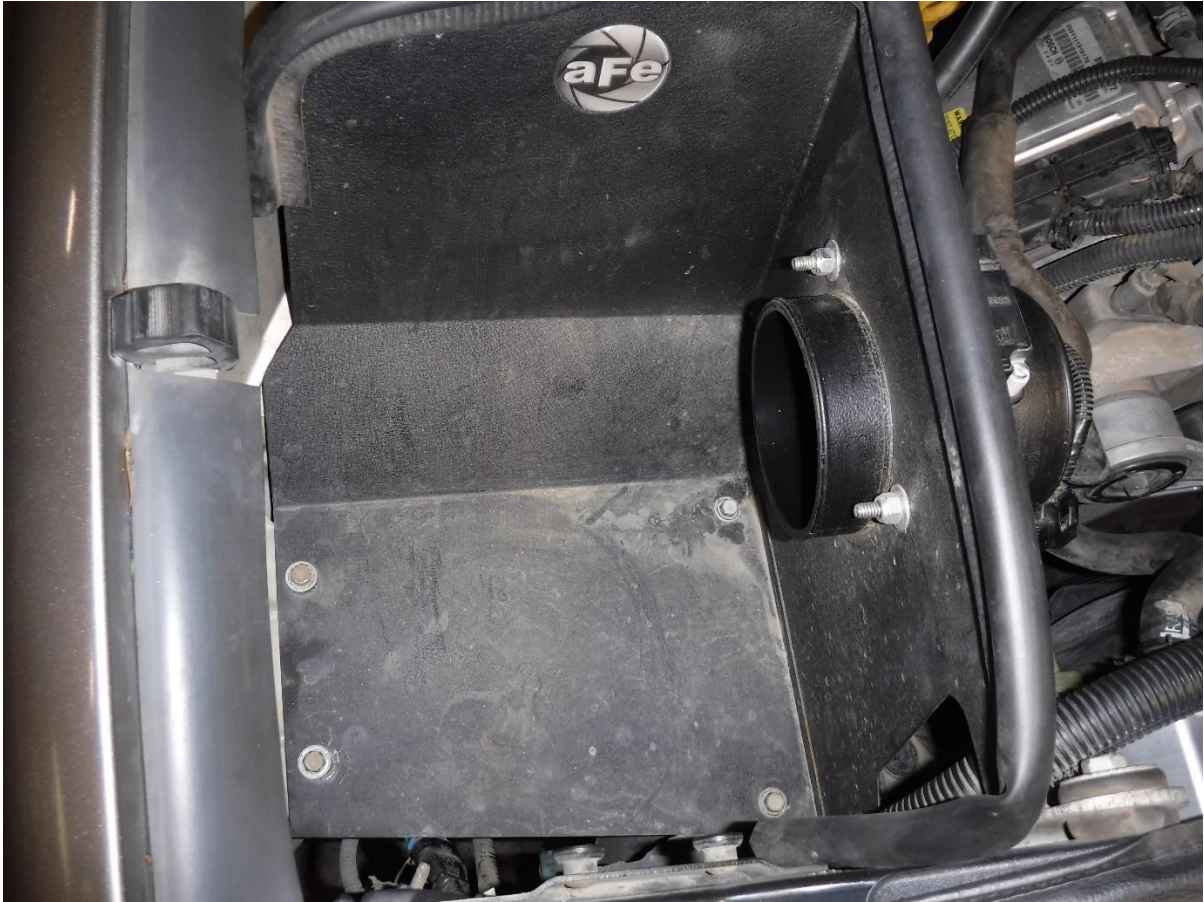
Label	Qty.	Description
A	1	Cold Side Intercooler Tube
B	1	Plug, 1/8" NPT
C	1	Clamp, Spring Loaded T-Bolt: 3-1/4"
D	1	Clamp, Spring Loaded T-Bolt: 2-1/2"

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





1. Park the vehicle on level ground and engage the parking brake.
2. Disconnect both negative battery cables.
3. Loosen the screw securing the intake resonator to the vehicle, then remove the resonator from the air intake tube (if equipped).
4. Disconnect the electrical connection from the sensor on the air intake tube.



5. Loosen the clamps securing the air intake tube to the vehicle.
6. Remove the air intake tube from the vehicle.
7. Lift the air box out of the vehicle.
8. Remove the four (4) screws securing the air box mounting bracket to the vehicle, then remove the bracket from the vehicle.



9. Loosen the clamp securing the cold side intercooler tube to the lower intercooler coupling.
10. Loosen the clamp securing the cold side intercooler tube to the upper engine inlet coupling.

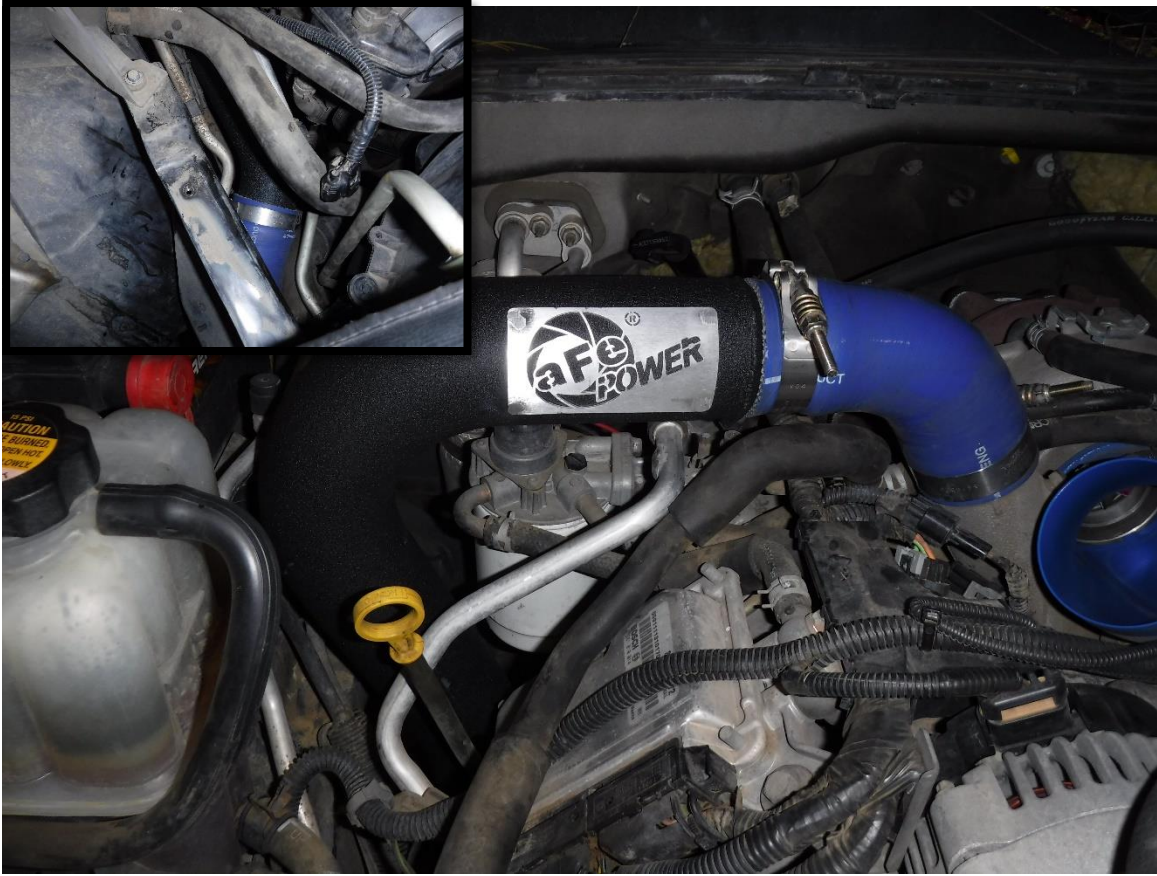
Note: it may be necessary to use a pick to break the connection between the intercooler tube and the intercooler couplings in order to remove the intercooler tube from the vehicle

11. Remove the cold side intercooler tube 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 plug into the threaded fitting on the supplied aFe cold side intercooler tube.



13. Place the supplied 3-1/4" spring loaded T-Bold clamp onto the factory lower intercooler coupling.
14. Place the supplied 2-1/2:" spring loaded T-Bolt clamp onto the factory upper engine inlet coupling.
15. Install the aFe cold side intercooler tube into the vehicle, connect the aFe cold side intercooler tube to the intercooler coupling then to the engine inlet coupling.
16. Ensure the tube is not touching anything then slide the clamps from Steps 13 and 14 into place and tighten.



17. Reinstall the air box mounting bracket.
18. Reinstall the air box.
19. Reinstall the air intake tube.
20. Reconnect the electrical connection for the sensor on the air intake tube.
21. Reinstall the intake resonator (if equipped).
22. Reconnect the negative battery cables.

Install is now complete!

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

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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 nontransferable.
- 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.

Product Category	P/N Prefix	Warranty duration
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
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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