



advanced FLOW engineering **Instruction Manual** P/N: 46-20338-B

Make: **GM** Model: **2500/3500** Year: **2017-2018** Engine: **V-8 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	Part Number
A	1	Tube, Hot Side: 46-20338-B	05-60817B
B	1	Tube, Hot Side Lower: 46-20338-B	05-60866B
C	1	Coupling, Silicone Hump: 2-3/4"ID x 4"L	05-60216
D	1	Coupling, Silicone Hump: 3"ID x 4"L	05-60012
E	1	Coupling, Silicone Hump: 3"ID x 5.5"L w/ Bead	05-60620
F	2	Clamp, Spring Loaded T-Bolt: 3" Dia	05-60435
G	4	Clamp, Spring Loaded T-Bolt: 3.25" Dia	03-50530
H	1	Plug, Hex Hd Socket: 1/8" NPT (Zn Plt)	03-50029

Tools Needed: Flat head screwdriver, long extension, ratchet, T10 Torx socket, 11mm socket, 3/16" allen wrench, thread sealant.

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 vehicle on level ground and engage the parking brake.
2. Open the hood and disconnect the negative battery cable from both batteries.
3. Locate the metal hot side intercooler tube, it will be on the driver side of the vehicle.
4. Loosen the clamp securing the coupling onto the turbo using a 11mm socket and disconnect.



5. Loosen the clamp securing the coupling onto the intercooler using a 11mm socket, it will be accessible from the top behind the radiator with a long extension.
6. Remove the inner fender liner from the front driver side wheel well, using a T10 Torx socket.
7. Disconnect the coupling from the intercooler.
8. Remove the intercooler tube from the bottom vehicle



9. Now you can start the assembly of the aFe intercooler tube.
10. If you are not using any aftermarket sensors, install the 1/8" plug into the longer aFe intercooler tube using a 3/16" Allen wrench.

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



11. Install one of the 3" clamps and the small hump coupling onto the turbo then install the longer tube into the vehicle from the top.
12. Install the longer 3" hump coupling onto the small intercooler tube, be sure that the bead on the inside of the coupling sits in the groove on the small intercooler tube.
13. Install one of the 3.25" clamps and the short 3" hump coupling onto the intercooler then install the small tube into the vehicle from the wheel well along with three more of the 3.25" clamps.
14. Connect the upper and lower intercooler tubes together.



15. Ensure tubes are not touching anything then tighten all the clamps using an 11mm socket.
16. Install wheel well back into place.
17. Reconnect negative battery cables.
18. Install is now complete!

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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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