



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.
- 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!