



advanced FLOW engineering

Instruction Manual P/N: 77-63001

Make: **Ford** Model: **F-250** Year: **2008-2010** Engine: **V8-6.4L (td) Power Stroke**

Make: **Ford** Model: **F-350** Year: **2008-2010** Engine: **V8-6.4L (td) Power Stroke**

Make: **Ford** Model: **F-450** Year: **2008-2010** Engine: **V8-6.4L (td) Power Stroke**

Make: **Ford** Model: **F-550** Year: **2008-2010** Engine: **V8-6.4L (td) Power Stroke**



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- 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	Module	R77-63001
B	1	Harness	AFE-10-305
C	2	Hook and loop fastener (2 inches)	05-01244
D	8	Cable Ties	05-60167

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.





SLEEP MODE

Figure A

Refer to Figure A for Step 1.

Step 1: Before installing the aFe Power Module you must place your vehicle's ECU in sleep mode. In order to place your vehicles ECU in sleep mode you will need to do the following:

- If the engine is cold, open the hood, close the doors, lock the car and wait 30 seconds
- If the engine is warm, open the hood, close the doors, lock the car and wait 20 minutes
- If the engine is warm and you can't wait 20 minutes, disconnect the batter



Note: Do NOT open the doors or start the vehicle while one of the sensors is disconnected. This could cause a check engine light.



Figure B

Refer to Figure B for Step 2.

Step 2: Locate the turbo vane actuator and master cylinder pressure connectors. The turbo vane actuator connection is on the actuator itself, near the fuel cooler. The master cylinder pressure switch connection is on the bottom of the master cylinder.

**Refer to Figure C for Step 3.**

Step 3: Locate and disconnect the turbo vane actuator connector, by pressing down on the locking tab and sliding the connector out. Plug the female connector of the aFe harness to the turbo vane actuator, and then connect the male connector of the aFe harness to the female connector of the factory harness.



Refer to Figures D for Step 4.

Step 4: Check with the picture to make sure the connectors are correctly connected.



Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.

**Figure E****Refer to Figure E for Step 5.**

Step 5: Locate and disconnect the master cylinder pressure switch connector, by pressing down on the locking tab and sliding the connector out. Plug the female connector of the aFe harness to the master cylinder pressure switch connector, and then connect the male connector of the module to the female connector of the OE harness.



Note: There are two connections on the bottom of the master cylinder, make sure to use connector towards the front of the vehicle.



Refer to Figure F for Step 6.

Step 6: Check with the picture to make sure the connectors are correctly connected.



Note: Make sure connections are fully engaged and not reversed. Usually, connectors make a snapping sound when fully engaged.



Figure G

Refer to Figure G for Step 7.

Step 7: Route the single wire from the module harness to the inside of the cab through the main grommet in the firewall.



Figure H

Refer to Figure H for Step 8.

Step 8: Locate the purple and white wire coming from the connector at the top of the brake pedal, and splice in to this wire using the supplied posi-tap.

**Figure 1****Refer to Figure 1 for Steps 9-11.**

Step 9: Secure the module in a safe location, such as on top of the battery, using the provided Hook and loop fastener.

Step 10: Connect the harness to the module.

Step 11: Secure the wiring harness away from any extreme heat or moving parts, using the provided ties.



Note: The installation of the BrakeLogic module is complete, keep reading to learn how to use it.



Figure J

Refer to Figure J for Steps 12-13.

Step 12: To turn the BrakeLogic module on simply activate Tow/Haul mode with the button at the end of the shift lever.

Step 13: When you want to activate engine braking, such as when driving down a hill while towing, tap the brake pedal, you will notice increased engine braking as well as the transmission downshifting to help maintain a lower speed. To deactivate engine braking, simply hit the gas pedal. Thank you for choosing aFe POWER.