

BOOST CONTROLLER INSTALLATION / INSTRUCTION GUIDE

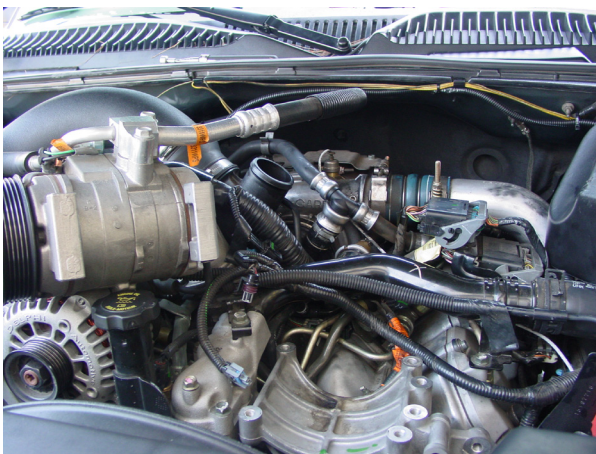


Locate the Turbo Sensor in order to connect the boost controller.

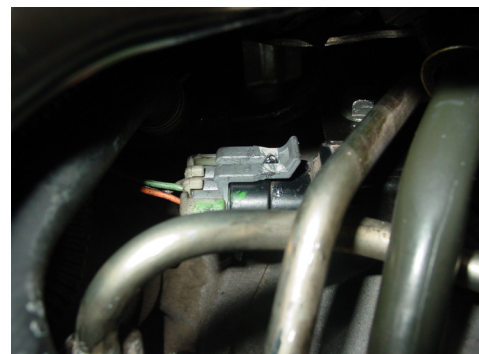
For 2004 – 2005 Models:

Two Methods to locate and access and locate Turbo Sensor

- 1) Behind the AC Compressor.
 - a) Remove the fan belt.
 - b) Remove 4 bolts from the A/C compressor, but do not remove A/C pressurized line bolts.
 - c) Lift the A/C compressor off and on rest it on the left side of the engine.



- d) The Sensor is directly behind the A/C compressor under the rigid coolant pipe and should be easy to access. Do not connect to a similar sensor which is located to the right of the boost sensor. It's the Barometric Sensor and looks identical to the boost sensor.

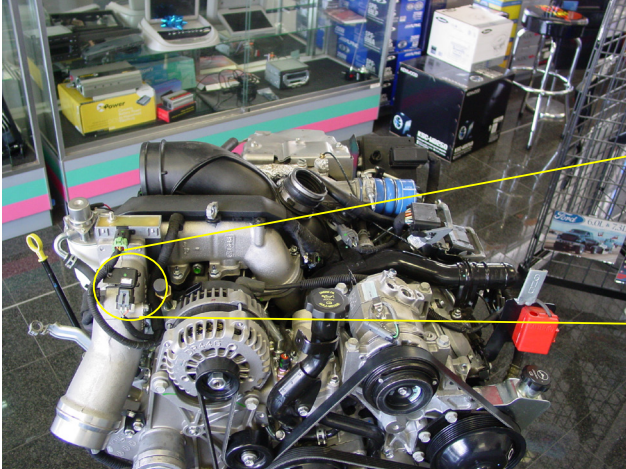


- e) Unplug the factory harness from the sensor and connect the Boost Controller in between the harness & sensor.
- 2) In front of the Air Intake Tube & Turbo.
 - a) Remove the Air Intake Tube from the air cleaner box and turbo, loosen the clamp at the turbo inlet and remove intake air tube.
 - b) Access will be under the rigid coolant pipe.
 - c) Unplug the factory harness from the sensor and connect the Boost Controller in between harness and sensor.

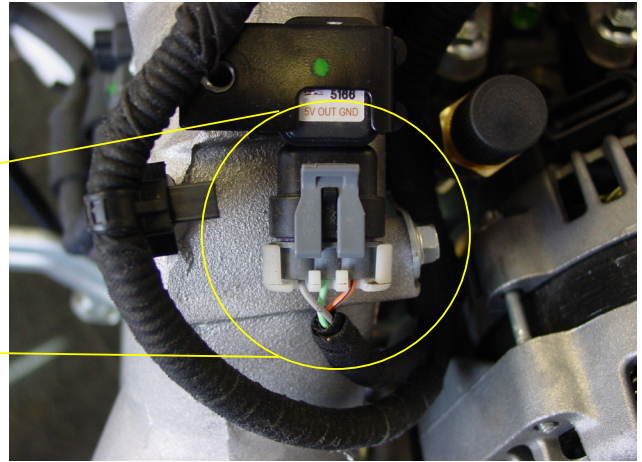
For 2006 - 2007 Models:

The Turbo Sensor is easily accessible with no need to remove any parts.

Locate the Turbo Sensor:



Unplug factory harness from sensor and connect boost controller in between harness & sensor.



Position the module next to the front side of the battery and strap it as necessary. This is the best location to keep the module as cool as possible. Pass the white 4-pin connector through the firewall rubber grommet into the cab. Locate and mount the switch/control knob in a convenient location. Boost can be adjusted while driving by simply turning the dial clockwise to increase boost, counter-clockwise to return to the factory boost settings.

When running Hot tune, maximum horsepower will be attained at 30 – 32 PSI measured with a mechanical boost gauge after the intercooler. The BEST spot to install the boost gauge is in the cast aluminum intake tube on the engine.

Horsepower will be lost above 32 – 34 PSI, do not run above 34 PSI except for towing applications to reduce exhaust gas temperatures.

When running stock or tow programs maximum boost pressure it should be adjusted to around 25 – 28 PSI. for maximum horsepower. Horsepower will be lost above 28 PSI.

To tell if the switch is in the OFF position:

Toggle Switch:

The level flipped opposite to the groove on the shaft is in the off position.

Optional Rocker switch instead of Toggle Switch:

Switch towards 0 is in the off position.

When the switch is in the OFF position:

Allows for an increased, dialed in, amount of boost during the entire boost range— setting good for power brake launches, economy while running Hot Tunes, and clean up smoke at all throttle positions.

When the switch is in the ON position:

Allows for maximum low boost fuel and an increased dialed in amount of boost only if factory boost has reached over 18 PSI. Good for non-power brake launches, economy while running stock or tow tunes.

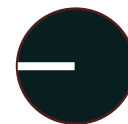
IMPORTANT!!!

LLY/LBZ Boost Controller:

With the Hottest tunes optimal performance positions for the boost increase control knob will be around the 11 o'clock position.



With Standard tunes optimal performance positions for the boost increase control knob will be around 9 o'clock position.



Increasing the pressure without the proper tunes or other enhancements can cause air flow rates that the engine can not consume. Your application may vary from these parameters.