



51500 MODULE

INSTALLATION GUIDE

— 2006–2009 —

C7 & C9

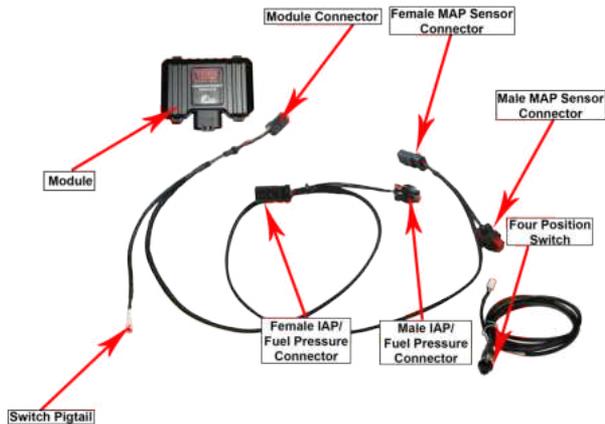
7.2L & 8.8L CAT ENGINES

UP TO 30% HP GAIN
10–20% FUEL SAVINGS

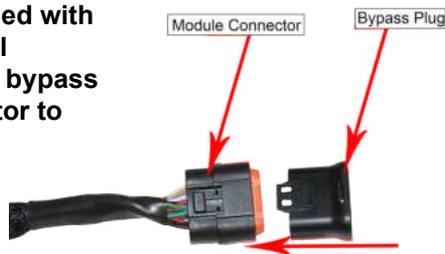


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A bypass plug is included with the module for potential troubleshooting. Install bypass plug in module connector to return vehicle to stock functionality if needed



Make sure to push completely together until connector snaps when using bypass plug.

For Tech Support Please Call 812-618-9168

PSI Power recommends removing the Ag Diesel Solutions module before any warranty work is performed on the piece of equipment the module is installed on.

Adjustable on the fly
 Position 1- Stock (counter clockwise)
 Position 2- Low- up to 10%
 Position 3- Medium- Up to 20%
 Position 4- High- Up to 30%
 Position 1- Switch far left
 Position 4- Switch far right



Module switch can be ran inside the cab for easy performance adjustment. Module switch can be secured in engine bay if desired. Module will default to HIGH setting if switch is not connected

NOT FOR USE IN CALIFORNIA

MODULE DOES NOT BYPASS, DELETE, OR DEFEAT ANY EMISION CONTROL SYSTEMS

*If installation assistnace is needed, Ag Diesel Solutions: is not responsible for any cost associated with third party installation.

2006-09 C7 (7.2L) & C9 (8.8L) CAT

Engine Instructions

- 1) Locate the Fuel Pressure/IAP sensor as shown in the picture below and in the diagram on Page 2. Disconnect the Fuel Pressure/IAP Sensor. Depending on your application, the Fuel Pressure and MAP sensors may be in a different location than shown below.

Note: The stock Fuel Pressure/IAP Sensor will usually have White, Green and Brown wires coming out of the connector.



- 2) Plug the male connector from module into fuel pressure sensor.
Note: On the module harness, the fuel pressure connectors are located closest to the performance module.
- 3) Connect the stock connector to the female connector from the module.

Note: Make sure to push completely together until the connector snaps.



- 4) Locate the MAP sensor on the intake manifold on the driver's side of the engine. Refer to the diagram on Page 2 for approximate location.

Note: The MAP sensor will usually have White, Green and Pink wires coming out of the connector.



- 5) Disconnect the MAP Sensor and plug the male from the module into the stock MAP/Boost Sensor.

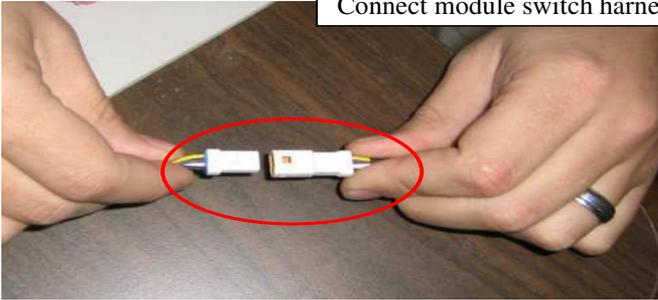
Note: On the module harness, the Map/Boost connectors are located at the end of the Performance module harness or furthest away from the module.

- 6) Plug the Stock CAT MAP sensor connector into the Female Map sensor plug on the module harness.



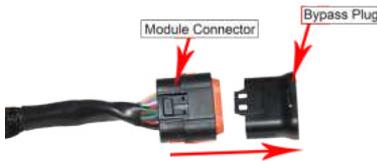
- 7) Route Switch through firewall and plug into module as shown

Connect module switch harness



- 8) Remove the bypass plug from the Ag Diesel Solutions harness, and plug the harness into the module.

Note: Keep the bypass plug for potential troubleshooting.



- 9) Mount the module in a safe location using the supplied wire ties. Secure the module away from any excessive heat and moving parts. **Note: Mounting the module with the connector down will help prevent moisture from collecting into the module connector.**





For Tech Support
Please Call
1.812.618.9168

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Effective 11/1/2022



- UP TO 30% HORSEPOWER INCREASE
- UP TO 10%–20% IN FUEL SAVINGS
- DOES NOT FLASH THE FACTORY ECM
- FIELD TESTED & DYNO PROVEN
- PLUG & PLAY INSTALLATION

Performance Electronics for Agriculture, Forestry, Construction, Pick-Up Trucks, Medium Duty Trucks, RVs, Heavy Duty Semis , and more!



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