



# 12000 MODULE

INSTALLATION GUIDE

2004-2013

5.9L & 6.7L CUMMINS

NON-DEF ENGINES

2005-2007

8.3L & 9.0L CUMMINS

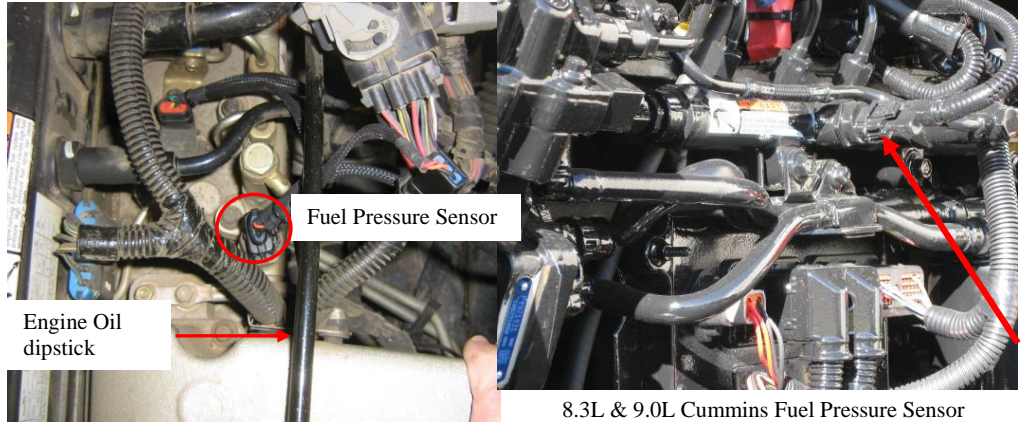
UP TO 30% HP GAIN  
10-20% FUEL SAVINGS



[AGDIESELSOLUTIONS.COM](http://AGDIESELSOLUTIONS.COM)



- 1) Locate Fuel System on Driver's side of Engine
- 2) Locate Fuel Pressure sensor according to the application as shown in Picture **NOTE: To avoid confusion please refer only to the picture provided for the desired application.**



5.9L Cummins Fuel Pressure Sensor

For Tech Support Please Call  
1.812.618.9168 or 1.855.343.7680

Position 1 - Stock - 0HP Gain  
Position 2 - Low - Up to 10% HP  
Position 3 - Med - Up to 20% HP  
Position 4 - High - Up to 30% HP  
Adjustable on the Fly  
Position 1 - Switch to Far Left  
Position 4 - Switch to Far Right



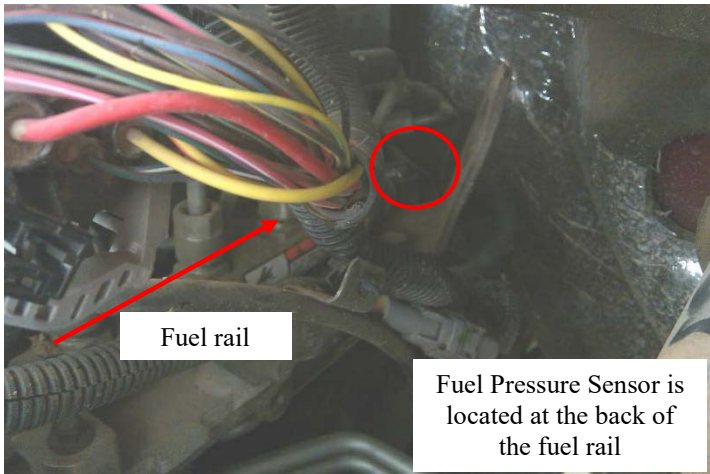
Module Switch can be ran inside the cab for easy performance adjustment  
Module Switch can be secured in engine bay if desired  
Module will default to HIGH setting if Switch is not connected

**\*NOTE: Do not change performance settings while vehicle under excessive load\***

**\*NOT FOR USE IN CALIFORNIA\***

**\*MODULE DOES NOT BYPASS, DELETE OR DEFEAT ANY EMISSION CONTROL SYSTEMS\***

**\*If installation assistance is needed, Ag Diesel Solutions is not responsible for any cost associated with third party instalaltion\***



6.7L Cummins Fuel Pressure Sensor

- 3) Unplug fuel pressure sensor.
  - 4) Plug Female Connector from module into Fuel Pressure Sensor.
  - 5) Connect the Stock Cummins connector to the Male Connector from the module
- Note:** Make sure to push completely together until the connector snaps.
- 6) Mount the module box in a safe location using the zip ties to secure the wires and module away from any extreme heat and moving parts.

# ONLY for 6.7 Cummins Shim Kit Instructions

- 1) Remove Cover shown below by removing the oil dipstick and 4 bolts holding cover to engine



- 2) Using an 11mm wrench remove the 2 clamps holding the EGR tube that crosses in front of the valve cover.

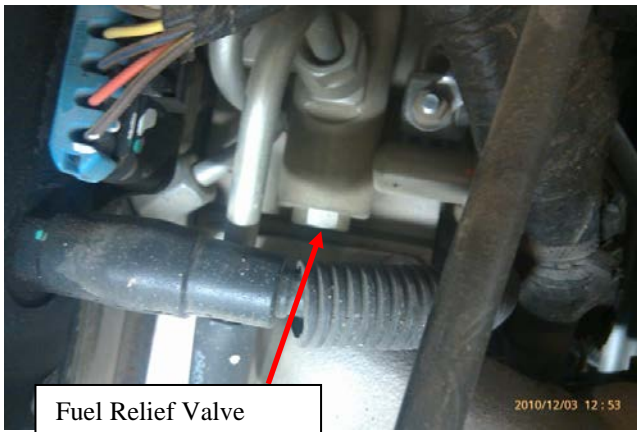
Note: You don't have to remove the tube just tilt the tube up towards the front of the truck

- 3) Use a 10mm Socket and remove the bolt that holds the dipstick tube to the bracket and the 6 bolts that hold the air horn to the manifold.



**Note:** Make sure not to damage the gasket.

- 4) Slide the air horn forward so that you can access the front end of the fuel



5) Use an 18mm wrench to remove fuel relief valve



Removal Tool



.020" Shims



- 6) Thread removal tool on to Fuel Relief Valve and place tip of fuel relief valve into vise as shown above
- 7) Rotate removal tool toward the vise to split apart relief valve.





Tip

Note: Be careful to hold end of relief valve it is spring loaded and you don't want to lose any part. There is a small pin located in Tip behind the washer with three holes in it. Don't lose it, the truck will not run without it.



- 8) Remove the spring and insert the three shims as shown above



- 9) Making sure you don't lose any parts, replace spring into relief valve and put tip back together.

- 10) Place in vise and tighten to compress relief valve together

Note: Use a small piece of wood or cardboard, between tip and vise to eliminate the possibility of damaging the fuel relief valve.

- 11) Take a small punch and re-apply the 3 factory indentations used to hold tip into the body of the relief valve
- 12) Replace Valve back into Vehicle, torque Relief Valve to 75 ft-lbs. or fuel could bypass valve.
- 13) Replace air horn, making sure the gasket is lined up correct
- 14) Twist EGR tube down and replace the clamps
- 15) Replace cover and dipstick

## **THIS IS A HIGH PERFORMANCE PRODUCT. USE AT YOUR OWN RISK.**

Do not use this product until you have carefully read the following agreement.

This sets forth the terms and conditions for the use of this product. The installation of this product indicates that the BUYER has read and understands this agreement and accepts its terms and conditions

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IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN THIRTY (30) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND. THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

# AGRICULTURE



Up to 30% Horsepower Increase  
10-20% Fuel Savings  
Does NOT Flash Factory ECM  
Does NOT Void Equipment Warranty  
Plug and Play Installation  
LIFETIME WARRANTY

# CONSTRUCTION



Up to 30% Horsepower Increase  
10-20% Fuel Savings  
Does NOT Flash Factory ECM  
Does NOT Void Equipment Warranty  
Plug and Play Installation  
LIFETIME WARRANTY

# TRUCK EDITION: LIGHT DUTY



Up to 90 Horsepower Increase  
1-3 MPG Fuel Savings  
Does NOT Flash Truck ECM  
Does NOT Void Factory Warranty  
Plug and Play Installation  
LIFETIME WARRANTY

# TRUCK EDITION: MED, HEAVY DUTY



Up to 30% Horsepower Increase  
5-15% Fuel Savings  
Does NOT Flash Truck ECM  
Does NOT Void Factory Warranty  
Plug and Play Installation  
LIFETIME WARRANTY

LEARN MORE: [AGDIESELSOLUTIONS.COM](http://AGDIESELSOLUTIONS.COM)

