



# 52000 MODULE

**INSTALLATION GUIDE**

**2004-2013**

**5.9L & 6.7L CUMMINS  
NON-DEF ENGINES**

**2005-2007**

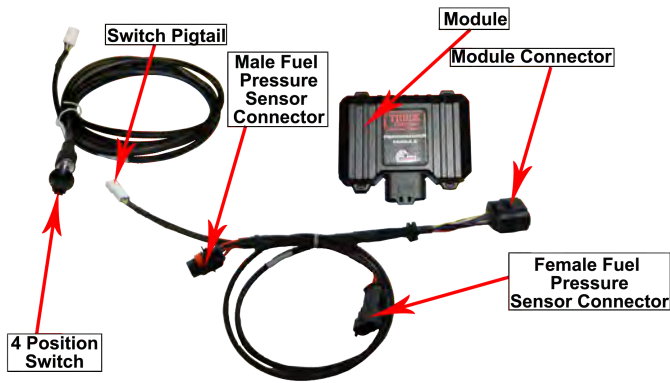
**8.3L & 9.0L CUMMINS**

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

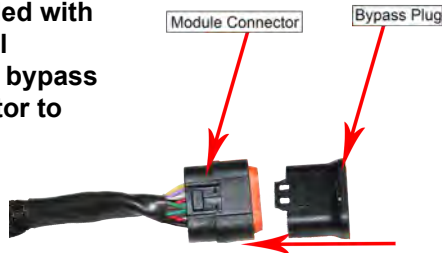


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**You Tube f**



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%<sup>P</sup>

Position 4- High- Up to 30%

Position 1- Switch far left

Position 4- Switch far right



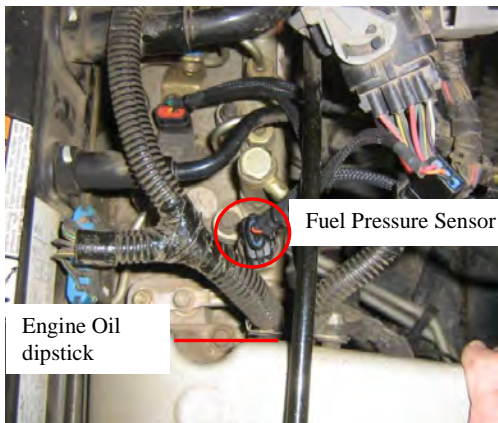
Module switch can be ran inside the cab for easy performance adjustment. Module switch can be secured in engine bay if desired. Module will default to HIGH setting if switch is not connected

\*NOT FOR USE IN CALIFORNIA\*

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

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

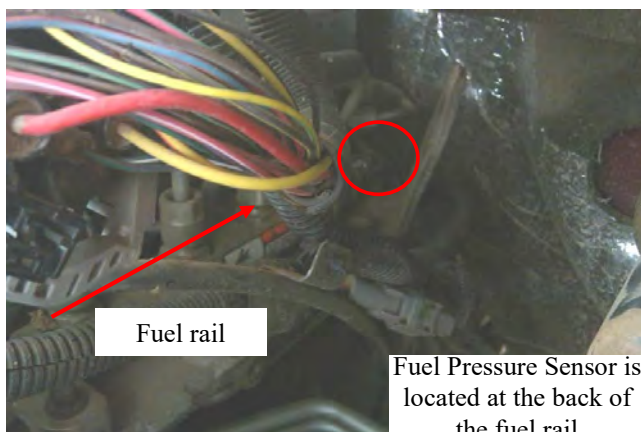
- 1) Locate fuel system on driver's side of engine
- 2) Locate fuel pressure sensor according to the application shown in each picture.



5.9L Cummins Fuel Pressure Sensor



8.3L & 9.0L Cummins Fuel Pressure Sensor



6.7L Cummins Fuel Pressure Sensor

**NOTE: To avoid confusion please refer only to the picture provided for the desired application.**

**NOTE: 6.7 L Engines, don't forget to install the shim kit on page 4.**

3) Unplug fuel pressure sensor.

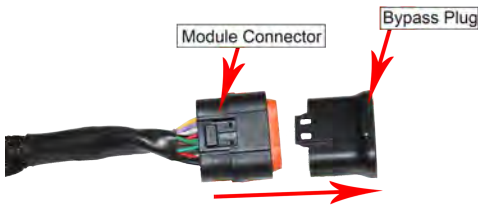
4) Plug male connector from module into fuel pressure sensor.

5) Connect the stock connector to the female connector from the module

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

6) 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.**



7) 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.

**Note: Mounting the module with the connector down will help prevent moisture from collecting into the module connector.**

# 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





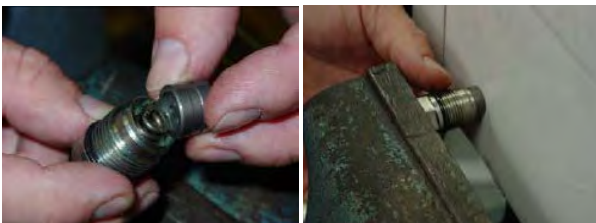
- 6) Thread removal tool on to Fuel Relief Valve and place tip of fuel relief valve into vise as shown above
- 7) Rotate removal tool toward the vise to split apart relief valve.



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





For any  
questions on  
this installation  
please call Tech  
Support at  
812.618.9168





## **Why Ag Diesel Solutions Modules ?**

***Saving More Fuel Per Hour with 10-20% Returns  
Getting More Done -- Up to 30% More Horsepower and Torque***

***No Programming of the Factory ECM or Changes to Fuel Pressure***

***Linear Based Load Technology - Only Giving Power when You Need It***

***Peace of Mind with USA Based Tech Support and  
a 30 Day Money Back Guarantee***

***No Loss of Product Benefits if Factory Tuning is Required  
Reduce Downtime - Install Yourself - No Tech Needed***

***Transferable to New Machines with Same Engine  
Does Not Defeat or Delete Any Engine Components***

***Quality Manufacturing to Withstand a LIFETIME on the Farm***



***AgDieselSolutions.com***

**Engineered, Manufactured, Tested and Proven in the**

***U.S.A***

**Industry Leading LIFETIME WARRANTY**

## **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

### **DISCLAIMER OF WARRANTY AND LIMITATION OF LIABILITY**

PSI, Inc and its successors, distributors, jobbers, and dealers (hereafter "SELLER") shall in no way be responsible for the product's proper use and service. It is the installer's responsibility to check for proper installation and if in doubt, contact the manufacturer. The SELLER assumes no liability regarding the improper installation or misapplication of its products. BUYER ACKNOWLEDGES IT HAS HAD THE OPPORTUNITY TO FULLY INSPECT THE PRODUCT. ACCORDINGLY, BUYER ACKNOWLEDGES THAT THE PRODUCT IS BEING SOLD IN "AS IS/WHERE IS" CONDITION AND WITH ALL FAULTS. EXCEPT AS OTHERWISE PROVIDED HEREIN, THERE ARE NO EXPRESS WARRANTIES WITH RESPECT TO THE GOODS, AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO, IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY ARE LIKEWISE HEREBY EXPRESSLY AND FULLY DISCLAIMED. SELLER SHALL NOT BE HELD LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WITH RESPECT TO THE PRODUCTS (INCLUDING, WITHOUT LIMITATION, LOST PROFITS, LOST SALES, LOSS OF PRODUCTION, PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OR DAMAGE RESULTING FROM INTERRUPTION OR FAILURE IN OPERATION OF THE PRODUCTS) AND BUYER HEREBY EXPRESSLY WAIVES AND DISCLAIMS ALL SUCH LIABILITY CLAIMS. THE BUYER ACKNOWLEDGES AND AGREES THAT THE DISCLAIMER OF LIABILITY CONTAINED HEREIN IS A MATERIAL TERM OF THE SALE OF THE PRODUCT AND, TO THE FULLEST EXTENT PERMITTED BY LAW, BUYER SHALL DEFEND, INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, CAUSES OF ACTION, CONTROVERSIES, LIABILITIES, FINES, LOSSES, COSTS AND EXPENSES (INCLUDING, BUT NOT LIMITED TO ATTORNEYS' FEES, EXPERT WITNESS EXPENSES AND LITIGATION EXPENSES) ARISING FROM OR RELATED TO SELLER'S PRODUCTS.

### **LIMITED LIFETIME WARRANTY**

PSI Inc (hereafter "SELLER") warrants that the product supplied shall conform to SELLER's specifications and shall be free from defects in design, material or workmanship for the life of the original BUYER. This Warranty shall not be extended, transferred, assigned or varied except by a written instrument signed by SELLER and BUYER. Products that have been returned to SELLER during the warranty period and accompanied by a dated proof of purchase receipt, with shipping and handling paid by the BUYER, and found to be defective in design, material or workmanship, in SELLER's sole discretion, may be repaired or replaced at SELLER's option and cost. All warranty claims hereunder are subject to approval by SELLER upon examination of the product. If the product is found not to be defective by SELLER, the product may be returned to BUYER at BUYERS cost. Under no circumstances shall the SELLER be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product, or any other expenses. This warranty is void on any products that show evidence of misapplication, negligence, improper installation, abuse, lack of proper maintenance or alteration from its original design.

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  
Field Tested and Dyno Proven  
Plug and Play Installation  
LIFETIME WARRANTY

# CONSTRUCTION



Up to 30% Horsepower Increase  
10-20% Fuel Savings  
Does NOT Flash Factory ECM  
Field Tested and Dyno Proven  
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  
Field Tested and Dyno Proven  
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  
Field Tested and Dyno Proven  
Plug and Play Installation  
LIFETIME WARRANTY

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

