



INSTALLATION
GUIDE

Driving Performance. Innovating Solutions.

IV6870 MODULE

8.7L IVECO/FPT
TIER IV ENGINES



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Why PSI Power Modules?

SAVE MORE & GET MORE

10-20% returns on fuel per hour with up to 30% more horsepower & torque

LINEAR BASED LOAD TECHNOLOGY

Only supplying power when you need it

NO PROGRAMS OR CHANGES

No programming of the factory ECM or changes to fuel pressure

TRANSFERABLE

Transferable to new machines with same engine, and will not defeat or delete any engine components

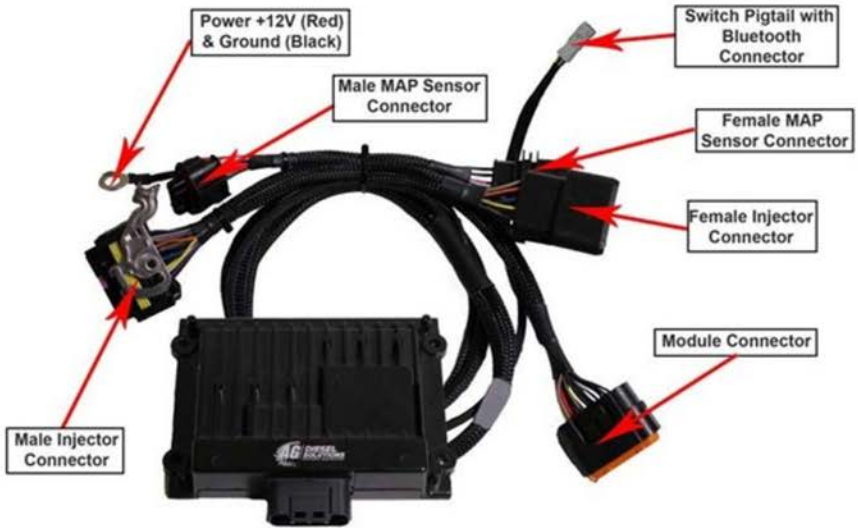
PRODUCTS BENEFITS SECURITY

Product benefits will not be lost if factory tuning is required

PEACE OF MIND

In-House tech support, and 30-day money back guarantee

IV6870 Module



Position 1 - STOCK (counter clockwise)

Position 2 - LOW, up to 15% HP

Position 3 - HIGH, up to 30% HP

*Mechanical switch will override use of app settings

OR

Download the "Ag Diesel Connect" app on your Android or iOS devices using the QR code below, or by searching "Ag Diesel Connect" in the app store.



Module switch can be ran inside the cab for easy performance adjustment.

Module switch can be secured in engine bay if desired.

If switch is not installed, the module will default to Ag Diesel Connect app setting.

The Ag Diesel Connect app is set from the factory to the High position.

DISCLAIMER

NOT FOR USE IN CALIFORNIA

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

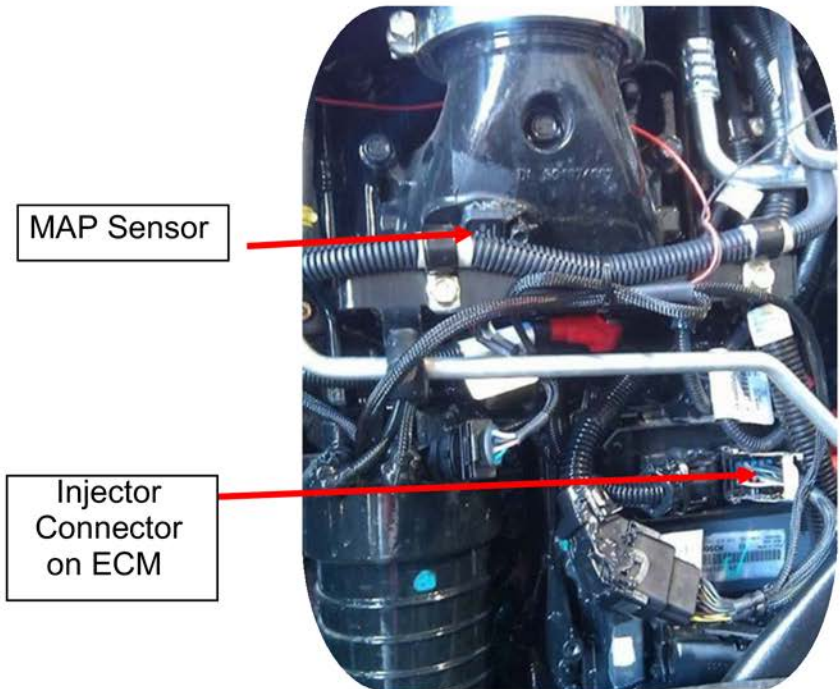
MODULE DOES NOT BYPASS, DELETE, OR DEFEAT ANY EMISSIONS CONTROL SYSTEMS

If installation assistance is needed, PSI Power is not responsible for any cost associated with third party installation.

TECH SUPPORT
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Step 1) Locate ECM and MAP sensor on the right side of the engine from sitting in the tractors cab.



Step 2) Unplug the small connector on on the top right of the ECM with 16- pins in it.



Step 3) Plug the male connector from the module into the 16-pin ECM port.

Note: the latch goes the opposite direction than the factory connector.



Step 4) Connect the stock connector to the female connector from the module.

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

MAP Sensor



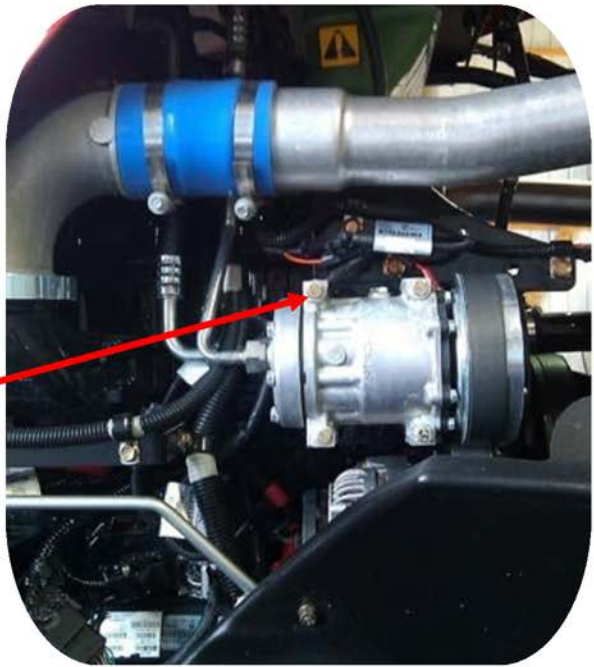
Step 5) Locate MAP Sensor.



Step 6) Unplug MAP sensor and plug male connector from the Ag Diesel Solutions module into the stock MAP sensor.

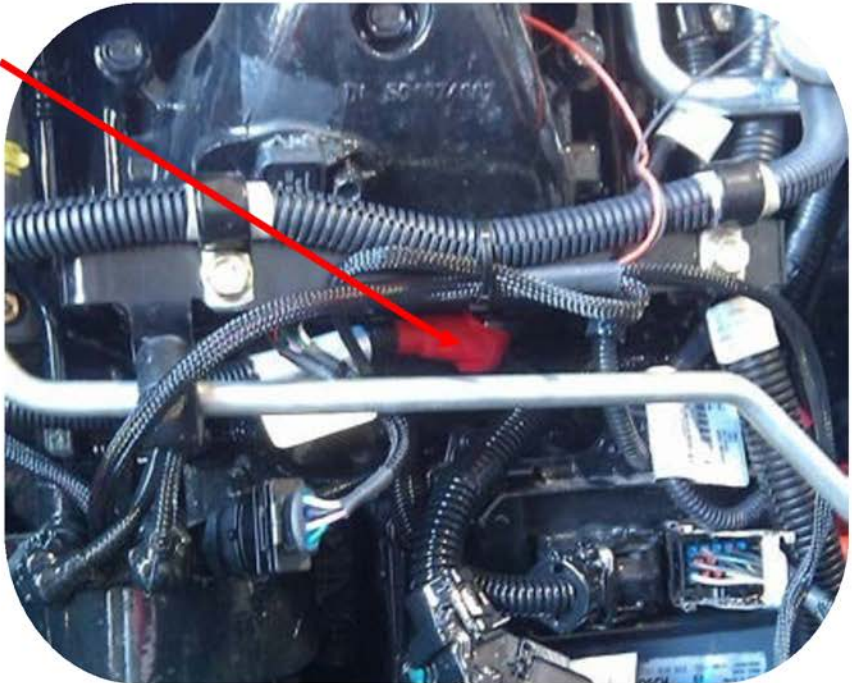
Step 7) Plug the male stock connector into the female connector from the Ag Diesel Solutions module.

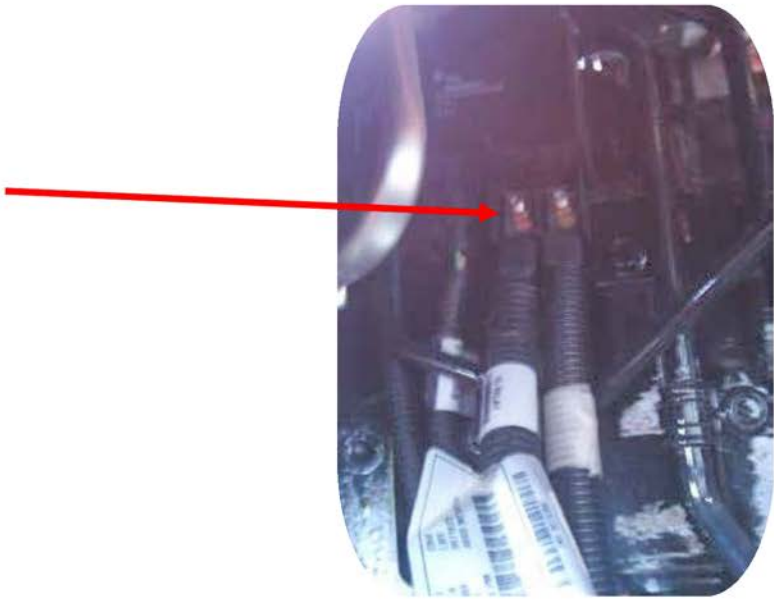
Good GND



Step 8) Connect the black wire with ring terminal to a good chassis ground.

Note: Do Not Connect to wire coming from bottom of intake manifold relay –It is not a GROUND or a POWER WIRE





Step 10) Connect red wire with ring terminal to a 12V constant source The left wire of intake air heater relay is good (Also alternator works).



Step 11) Mount the module with the connector on the bottom side, as to reduce the chance of moisture from getting into the module harness. Keep away from excessive heat and moving parts.

Note: Zip tie onto the factory computer wire harness works well. Mounting the module as shown will help prevent moisture from collecting into the module connector.



MODULE INSTALL CHECKLIST

INSPECT CONNECTOR PINS

Verify that all connector pins are clean and free of corrosion to ensure a stable electrical connection.

SECURE HARNESS PLUGS

Confirm each harness plug is fully seated by listening for an audible “click.”

ROUTE HARNESS PROPERLY

Mount and secure the harness away from hot or moving engine components.

POSITION PLUG CORRECTLY

Orient the module connector plug downward to minimize moisture and debris accumulation.

LOCATE YOUR COMPONENTS

Identify the location of the bypass plug and switch for future service or troubleshooting needs.

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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*****TERMS AND CONDITIONS CONTINUE ON NEXT PAGE*****

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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 BUYER'S 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, IN THE ORIGINAL PACKAGING, WITH A DATED PROOF OF PURCHASE, TO THE PLACE OF PURCHASE WITHIN (30) DAYS FROM THE 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 Effective 11/1/2022

For

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- **UP TO 10%-20% IN FUEL SAVINGS**
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