



INSTALLATION
GUIDE

Driving Performance. Innovating Solutions.

HP9040 MODULE

13.5L JOHN DEERE TIER IV ENGINES

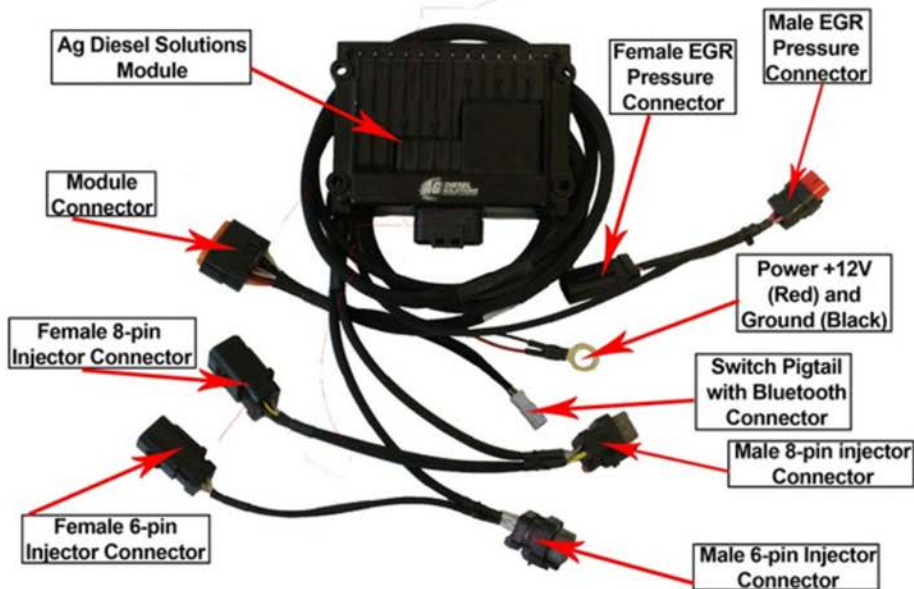


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HP9040 Module



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 EMMISIONS CONTROL SYSTEMS

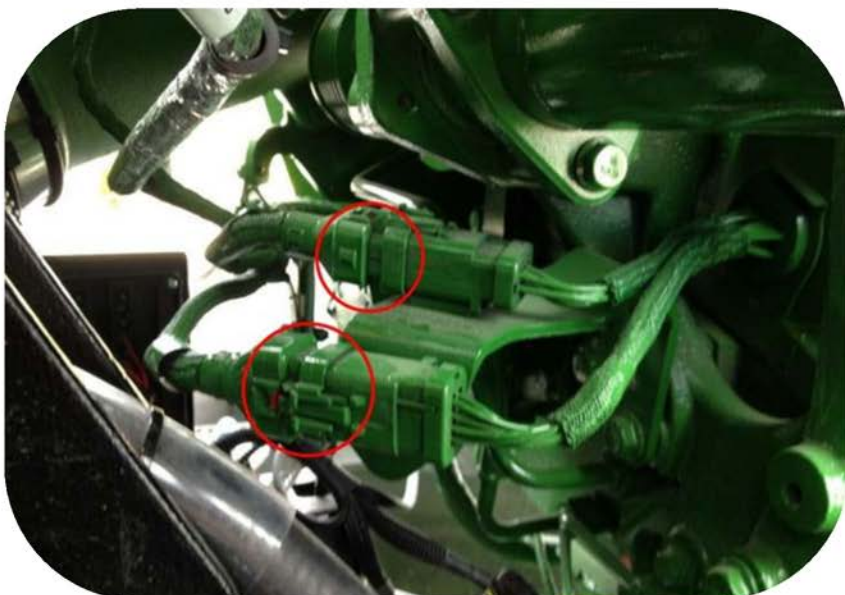
If installation assistance is needed, PSI Power is not responsible for any cost associated with third party installation.

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Note: For installations on combines, pictures can be found on page 7 of this install guide.



Step 1) Locate the 2 fuel injector connectors as shown in the picture below.

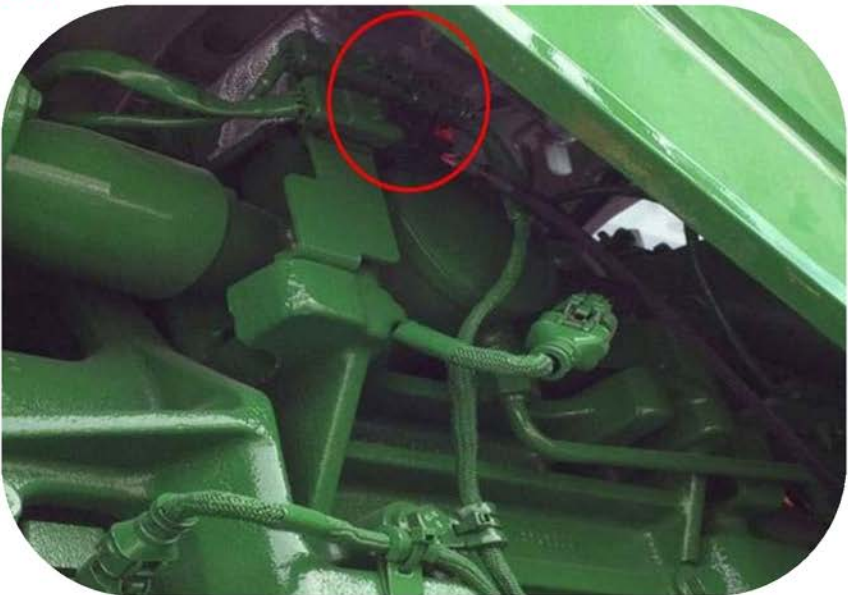


Step 2) The top injector connector is a 6-pin connector and the bottom is an 8-pin connector



Step 3) Unplug both injector connectors and plug the stock injector connectors into the male connectors on the Ag Diesel module harness. Plug the female Ag Diesel Module connectors into the stock male connectors.

Note: There are locking tabs on each connector. Slide the locking tab away from connector to unlock and toward the connector to lock.



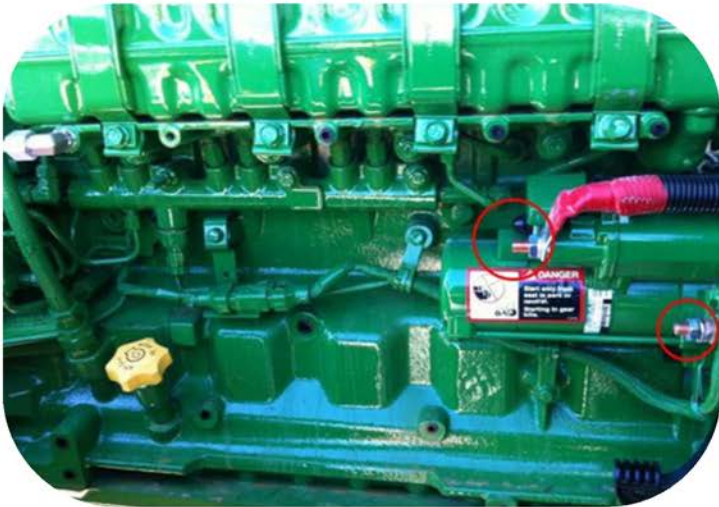
Step 4) From inside the cab facing forward, locate the EGR pressure connector on the driver's side of engine, it is located toward the top of the engine. There are 2 connectors in this location, the EGR pressure connector is the bottom connector.



Step 5) Unplug the stock EGR pressure connector. Plug the stock into the male EGR pressure connector and the female AG Diesel Module into the EGR pressure connector.



Step 6) Plug the female AG Diesel Solutions exhaust pressure connector into the stock exhaust pressure connector. **Note:** Slide red locking tab forward to lock all connectors after snapped together.



Step 7) Locate the starter. Connect the red wire with ring terminal to 12 volt source on starter. Connect the black wire w/ring terminal to ground on starter. **Note: When routing wiring, secure and zip tie the wiring in place keeping away from exhaust or any rotating parts.**



Step 8) Mount the module with the connector on the bottom side, as to reduce the chance of moisture from getting into the module harness. Note: The 13.5L engine compartments are extremely hot. Mount the module in a secure location away from the engine or exhaust components. Zip tying onto the factory computer wire harness works well. Mounting the module as shown will help prevent moisture from collecting into the module connector.

Connector Locations for John Deere Combine Installations



From the back of the combine at the engine compartment, lift the first access panel to locate the fuel injector connectors. The fuel injector connectors are located to the left of the turbo charger as shown below.



To locate the EGR pressure connector, lift the second access panel closest to the grain bin. The EGR pressure connector can be found under the cutout in the sheet metal panel as shown below.

Note* For proper connection instructions, refer to the previous steps.



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.

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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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