

INSTALLATION
GUIDE

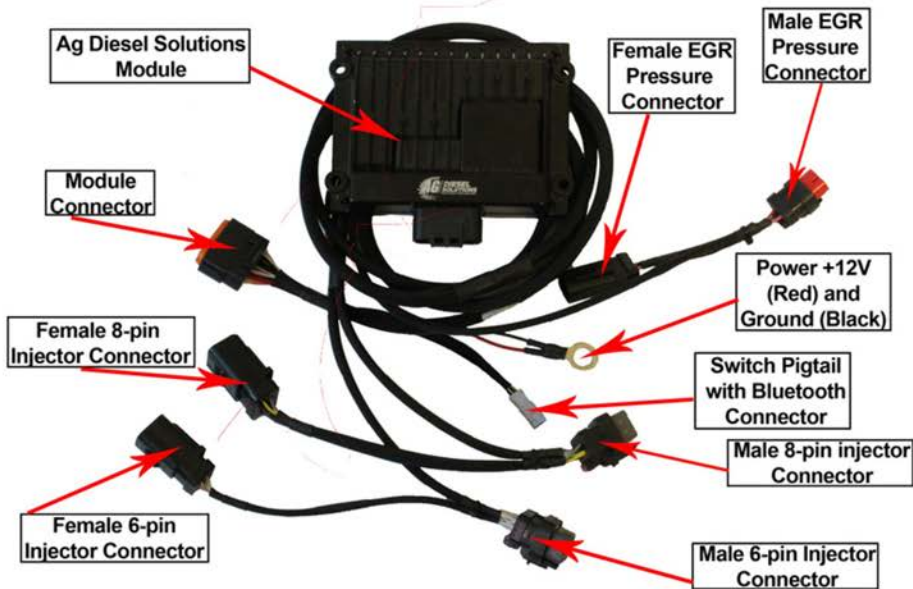
AG DIESEL
SOLUTIONS
ENGINEERED BY **PSIPOWER**

HP9040 MODULE

13.5L JOHN DEERE TIER IV ENGINES



HP9040 Module



Module will default to the APP setting if switch is not connected.

Switch Positions:

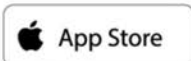
- *STOCK
- *LOW, up to 15% HP
- *HIGH, up to 30% HP

Mechanical switch will override use of app settings

OR



Scan to download or search Ag Diesel Connect on the App Store or Google Play Store



Module switch can be ran inside the cab for easy performance adjustment.
Module switch can be secured in engine bay if desired.

DISCLAIMER

NOT FOR USE IN CALIFORNIA

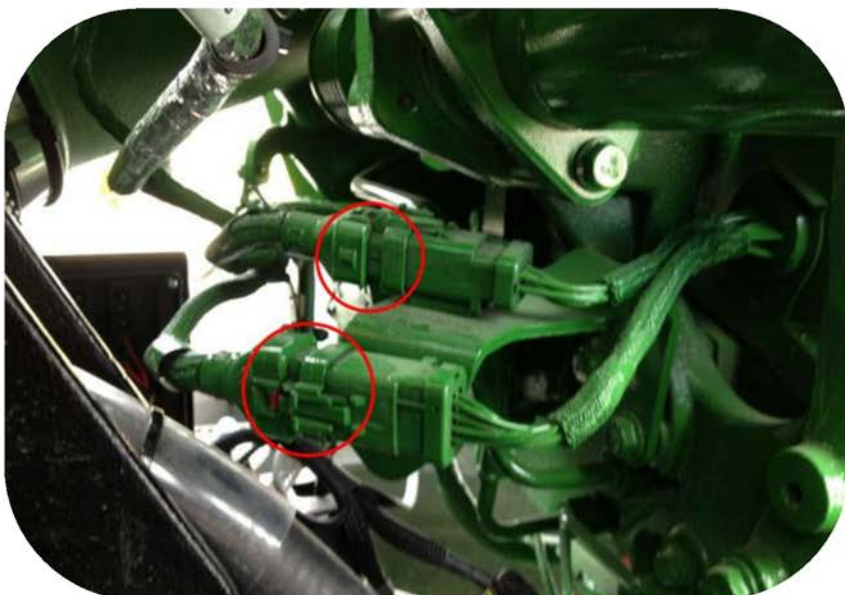
MODULE DOES NOT BYPASS, DELETE, OR DEFEAT ANY EMMISIONS CONTROL SYSTEMS
If installation assistance is needed, PSI Power is not responsible for any cost associated with third party installation.

TECH SUPPORT
(812) 618-9168

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.



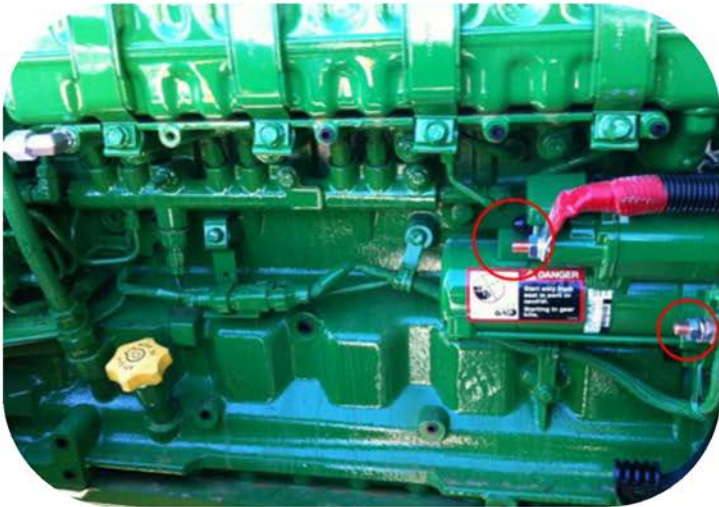
Step 4) From inside the cab facing forward, locate the EGR pressure connector on the driver's side of engine, it is located toward the top of the engine. There are 2 connectors in this location, the EGR pressure connector is the bottom connector.



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.

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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 Effective 11/1/2022