

Dohrmann Enterprises, Inc.
Installation and wiring instructions for:
Part #210000

“Header Switch” wiring adapter for CLAAS Self-Propelled Forage Harvesters (SPFH);

REVIEW ALL INSTRUCTIONS BEFORE YOU BEGIN INSTALLATION

Locate the “Header Switch” port on your machine:

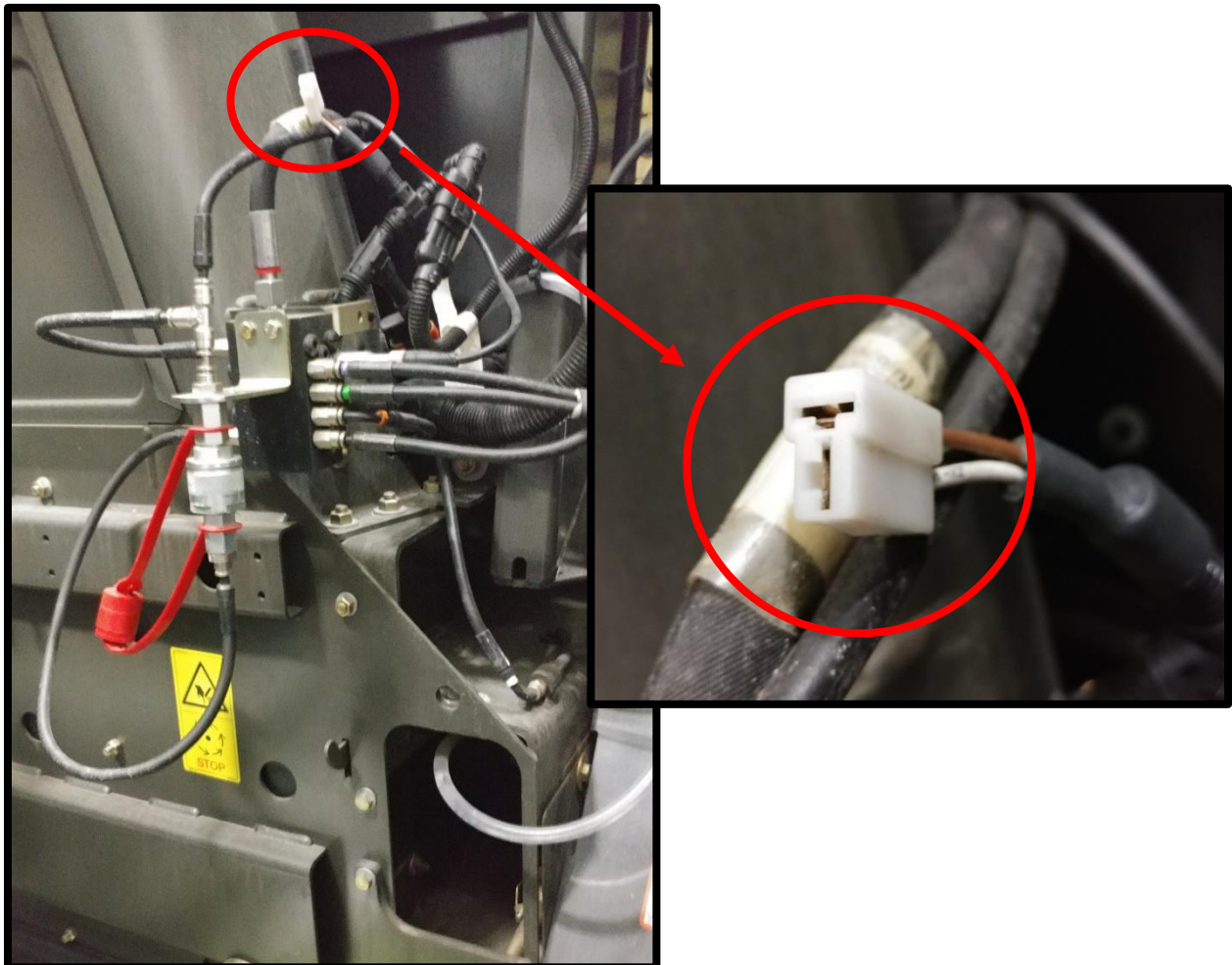
Depending on the age of your machine, it will either have an “Old Style” or a “New Style” plug. See Below to determine which type of plug your Harvester has on it. This will determine which one of the included plugs you will use to connect your applicator.

- **DO NOT plug #210000 harness into the port until wiring has been completed**

“Old Style Plug”

The outlet will be found in the service bay, behind the cab.

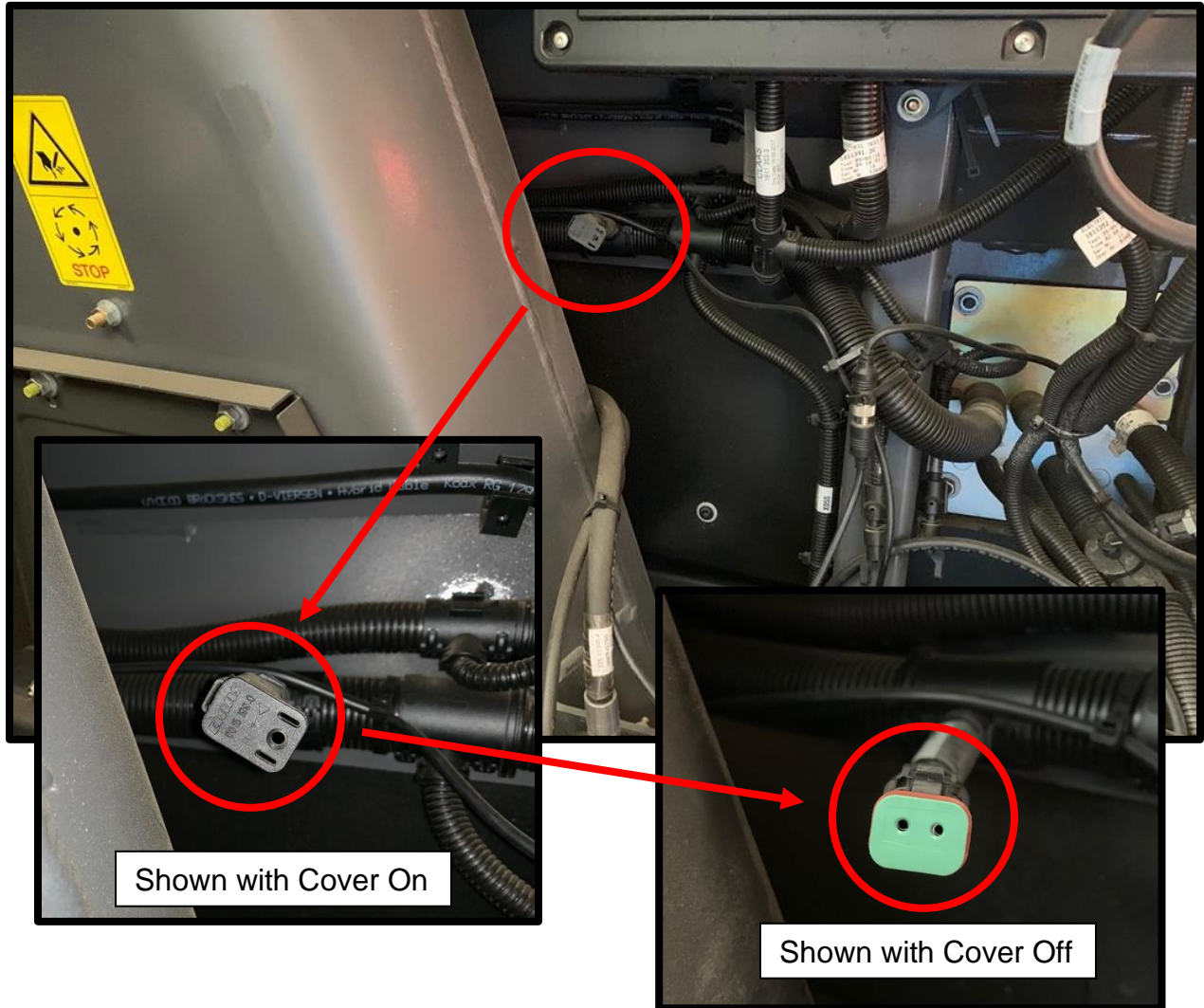
- This is a white plug, and the internal connectors make a “T”



“New Style Plug”

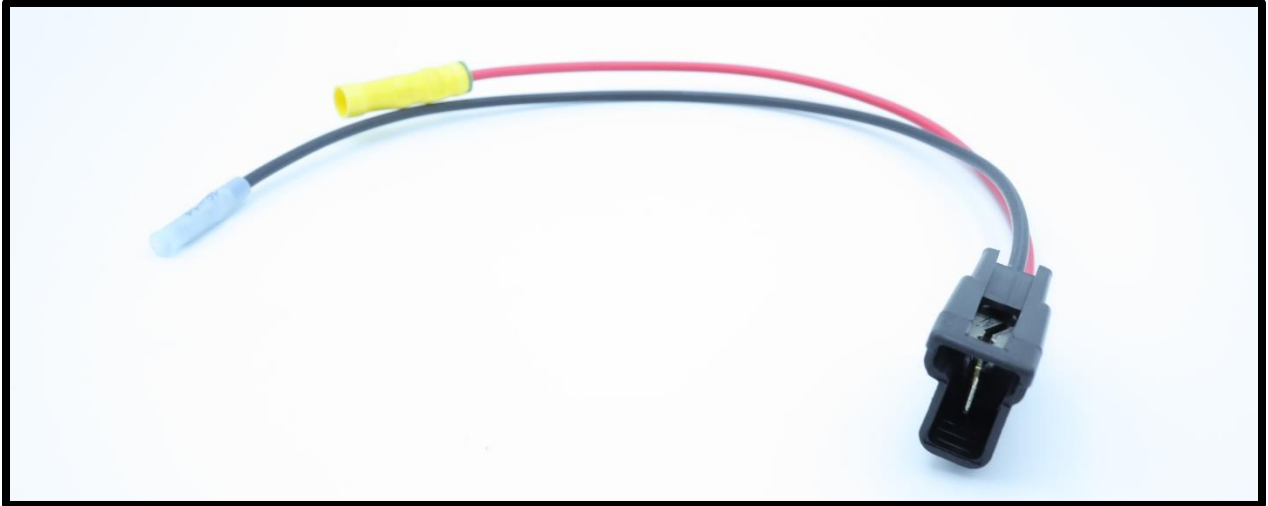
The outlet will be found in the service bay, behind the cab.

- From the factory this plug will have a black dust cover on it. This needs to be removed.
- When the cover is removed the plug itself will have a green face with 2 holes in it as shown below.

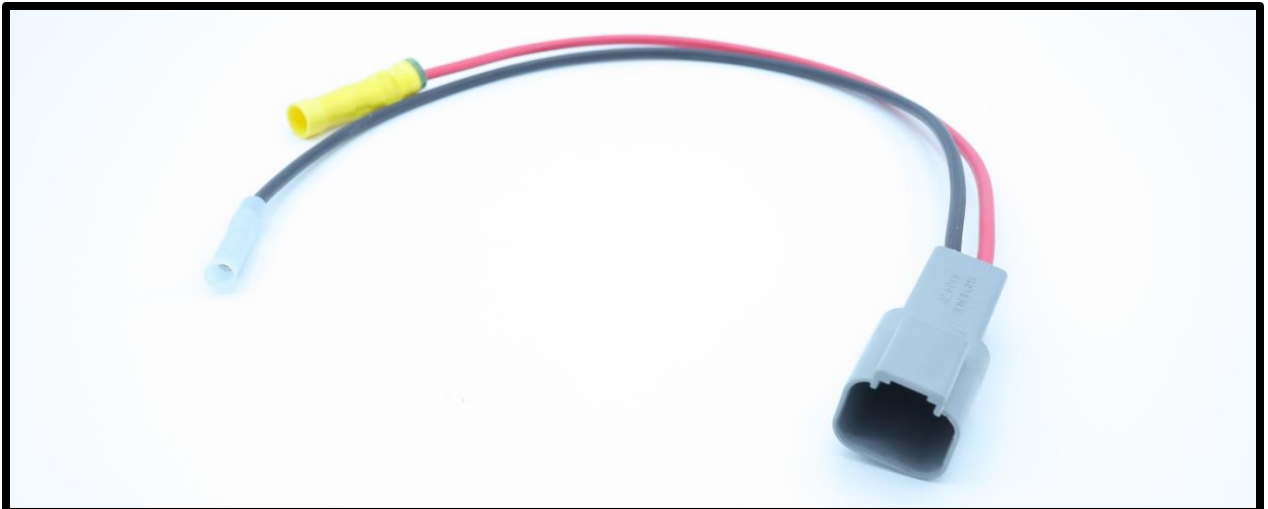


Determine Which Harness To Use:

“Old Style Plug”: you will need to use the harness with the mating “T” connector as shown below:



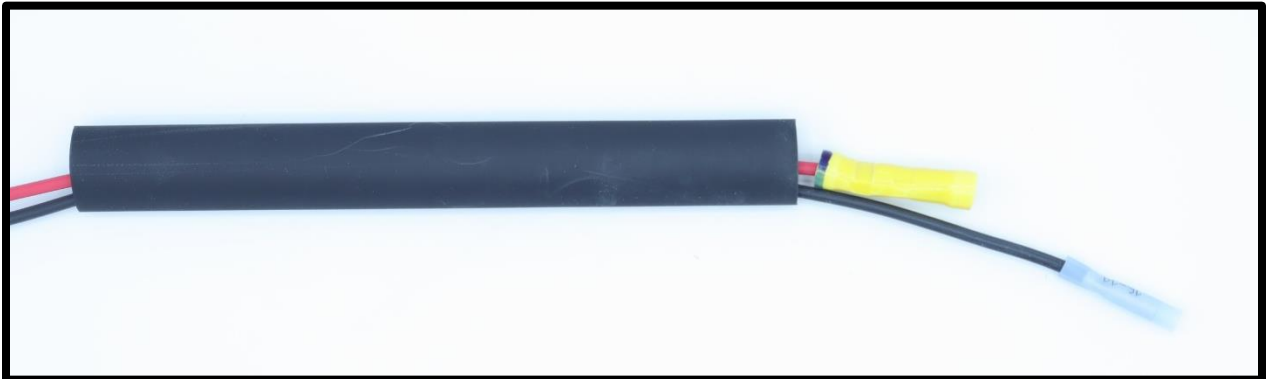
“New Style Plug”: you will need to use the harness with the mating 2 pin connector as shown below:



Wiring

Both the “Old Style Plug” and “New Style Plug” will be wired the same way. The directions that follow will work for either plug style.

Prior to wiring, slide the included heat shrink onto the wire harness, as shown below.

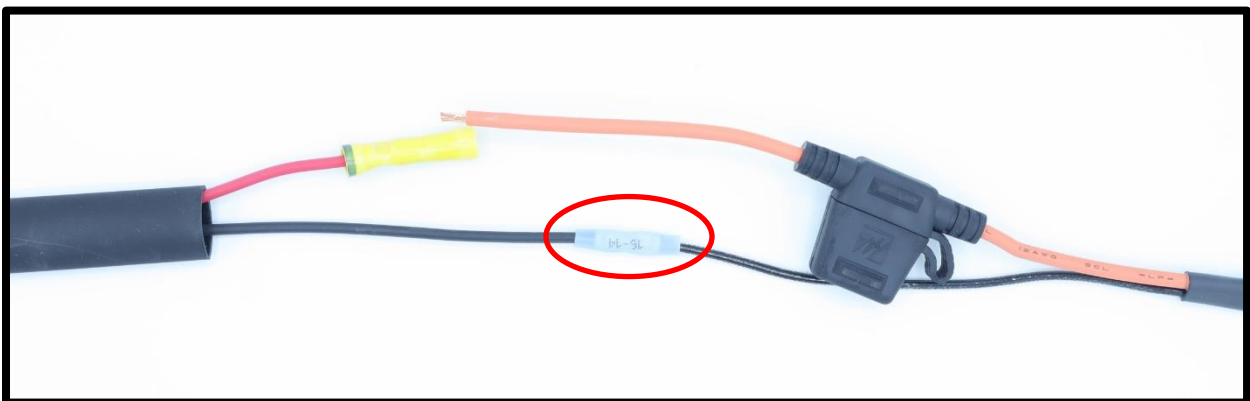


Before crimping any terminals, be sure that no wire strands were pushed back while inserting into the terminal. The strands could short out against another terminal/wire if they are not fully seated into the terminal.

All photos are for wiring a 2 wire system, color coding matches to *Dohrmann Enterprises, Inc. Applicators*.

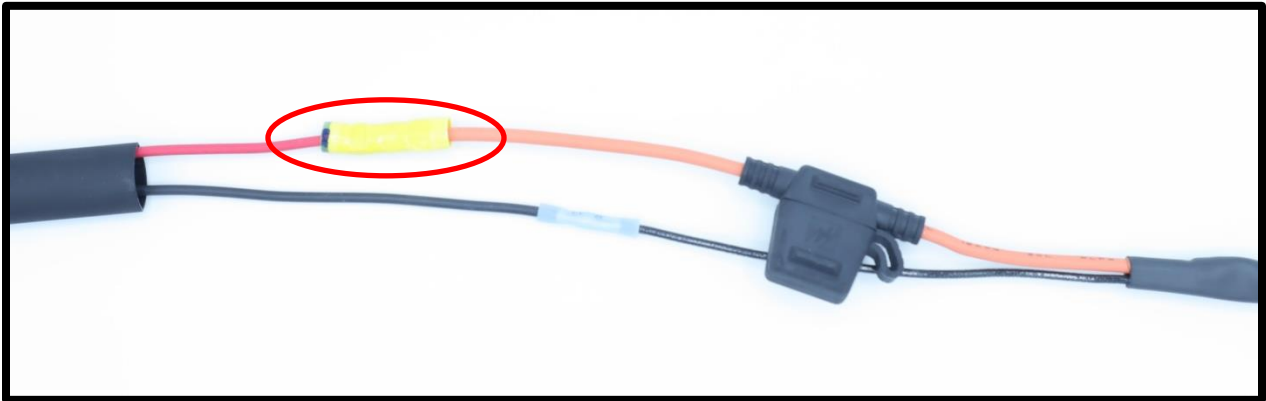
Black Wire: Ground

- Connect the ground wire from your applicator to this wire.
 - On an applicator from Dohrmann Enterprises this will be your black wire.
- Insert the wire into the butt connector (already attached to the black wire) and crimp. Be sure to make a solid connection.



Red Wire: 12 VDC + Header Switch controlled

- Connect the power wire from your applicator that you wish to have turned on/off with the Header Switch settings
 - On a 2 wire applicator from Dohrmann Enterprises, this will be the red wire with the orange fuse lead installed.
- Insert the wire into the butt connector (already attached to the red wire) and crimp. Be sure to make a solid connection.



Before completing the wiring, plug into and test the system. In the event something is wired incorrectly, you can correct it before applying the heat shrink.

Now that wiring is complete, slide the heat shrink tubing over the connections and use a heat gun on low or a hair dryer to shrink and seal the connections.



Operation

Refer to your CLAAS Operator's Manual or contact your CLAAS Dealer for Header Switch Operation and setup.

Troubleshooting

If your applicator does not work after installation:

- Verify that you have the correct settings for proper operation
 - Header Switch Height
 - If the switch height is lower than what you are dropping your head to, the Header Switch Output may not activate
 - Example: If your Header Switch Height is set to 3" and you are high chopping corn at 12", the head will not drop low enough to activate. In this example, the Header Switch height should be higher than 12"
 - Header Switch Relay
 - It has been brought to our attention that certain series of CLAAS Harvesters were shipped without a relay installed in the Header Switch relay position. If your dealer did not install this during Dealer Prep, the Header Switch Output will not function
- If settings have been verified, check to see if you have power
 - Use a multi-meter to check voltage on the incoming harness.
 - Red lead to pin on red line, Black lead to pin on black line – you must test both leads on the harness, if you ground to a different location, that will only tell us if there is power or not through the harness, not if there is ground through the harness.

