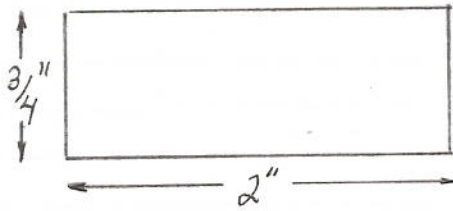


17083

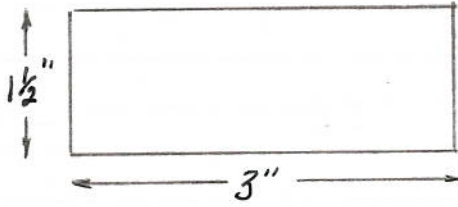
Hersford

2 or 2



WHITE LETTERS / BLACK BACKGROUND

- | | |
|----------------------------------|------------------------------|
| 1 - PRIMARY CHARGE PRESSURE | 2 - LEFT STAR |
| 1 - SECONDARY CHARGE PRESSURE | 2 - RIGHT STAR |
| 1 - AIR HEAD CHARGE PRESSURE | 2 - RIGHT STAR DISTRIBUTORS |
| 1 - BRAKE CHARGE PRESSURE | 2 - CROSS |
| 1 - GROUND DRIVE CHARGE PRESSURE | 1 - SIDE |
| 1 - AIR HEAD | 2 - BIN FILL |
| 2 - GROUND DRIVE | 2 - BIN UNLOAD |
| 1 - STEERING | 1 - AIR KNIFE |
| 1 - LEFT PRIMARY | 1 - AIR KNIFE CHARGE |
| 1 - RIGHT PRIMARY | 1 - AIR HEAD FEED |
| 1 - SECONDARY | 1 - AIR HEAD DISCHARGE |
| 1 - LEFT STAR REVERSE | 1 - CROSS DISTRIBUTORS |
| 1 - RIGHT STAR REVERSE | 1 - BIN BYPASS |
| | 1 - RIGHT STAR DIST. REVERSE |

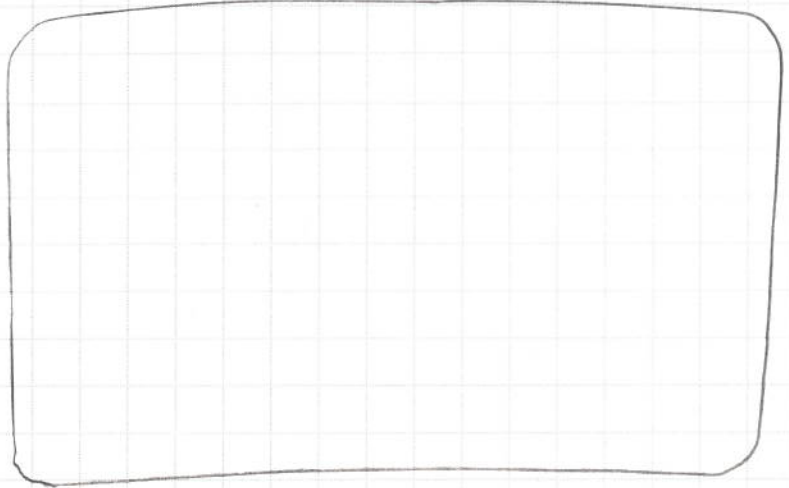


- WHITE LETTERS / BLACK BACKGROUND
- MAKE LETTERS AS LARGE AS SPACE ALLOWS FOR.

- | | |
|-------------------------|-----------------------------|
| 1 - PRIMARY CHARGE | 1 - LEFT STAR |
| 1 - SECONDARY CHARGE | 1 - RIGHT STAR |
| 1 - AIR HEAD CHARGE | 1 - RIGHT STAR DISTRIBUTORS |
| 1 - BRAKE CHARGE | 1 - CROSS |
| 1 - GROUND DRIVE CHARGE | 1 - SIDE |
| 1 - AIR HEAD | 1 - BIN FILL |
| 1 - GROUND DRIVE | 1 - BIN UNLOAD |
| 1 - STEERING | 1 - AIR KNIFE |
| 1 - LEFT PRIMARY | 1 - AIR KNIFE CHARGE |
| 1 - RIGHT PRIMARY | |
| 1 - SECONDARY | |



Black w/ WHITE LETTERS



Black - SOLID PIECE
(NO "cut out")

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e-mail: support@greentronics.com

Date: Sep 27, 2013

RiteHeight Blocking Diode Installation

WARNING! Failure to follow these instructions may result in damage to the sprayer and/or the RiteHeight system!

As of this writing, it is known that blocking diodes are required on the following sprayer models:

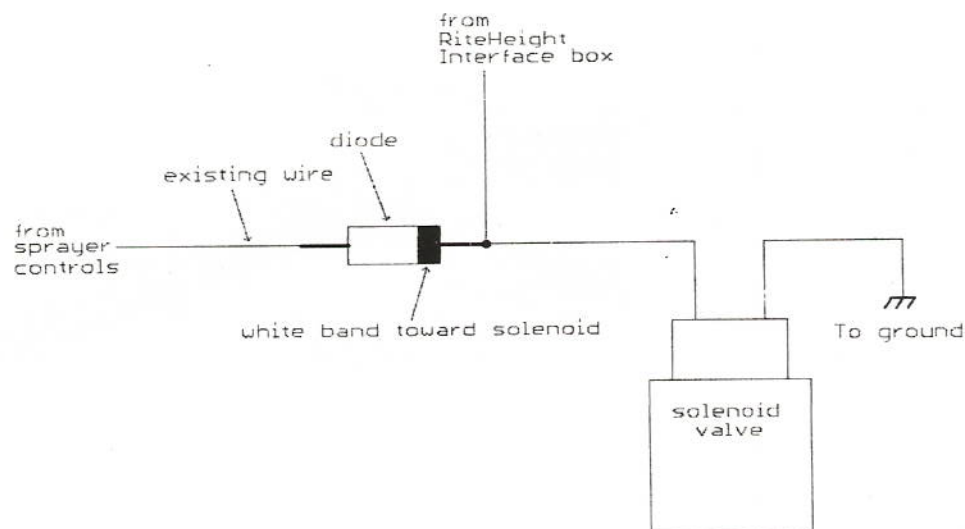
John Deere: Required for models 4630, 4730, 4830, 4920, 4930, and 4940.

Hardi: Required for most models since 2008, but recommended for all Hardi installations.

The above sprayers use a non-standard method to drive the solenoid valves that control boom lift. On most sprayers, the solenoid wire is simply left open when it's not driven. But on these particular sprayers, the sprayer controls connect the solenoid wire to ground when it is not driven active. If the RiteHeight system is connected directly to the solenoids in parallel with the sprayer controller, a short circuit results when the RiteHeight system attempts to activate the solenoid. This prevents the RiteHeight system from activating the solenoid and **will damage the RiteHeight system as well as the sprayer controller.**

To prevent this problem, a blocking diode must be installed in the wire from the sprayer controller. This blocking diode is needed in the wire to each solenoid that is connected to the RiteHeight system. Appropriate diodes are 1N5401 or 1N5402.

RiteHeight Blocking Diode Connection



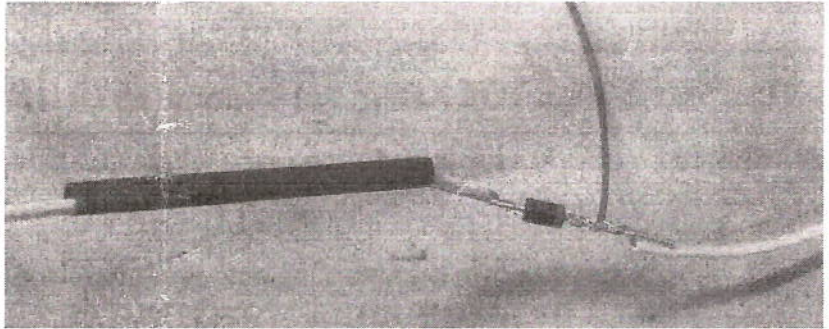
To install the blocking diode, first identify the solenoid wire that carries +12V when the solenoid is activated. Now cut this wire in a location where there is adequate wire length on both sides of the cut to allow easily working with the wire.

Cut a 3" length of heat shrink tubing (3/16" diameter). Slip this piece of heat shrink tubing over the wire from the sprayer controls.

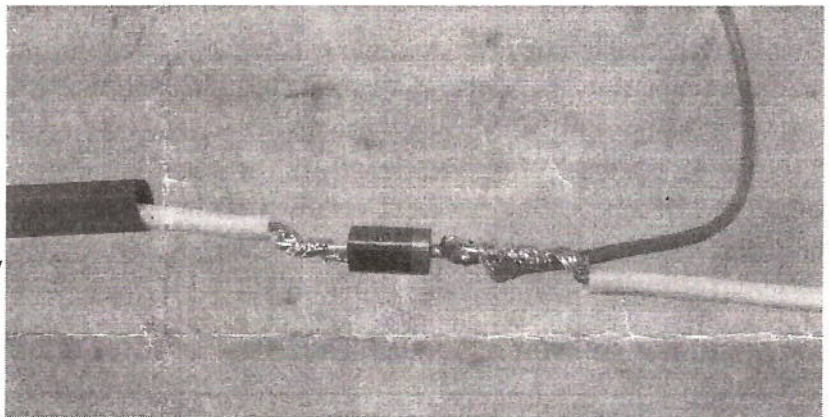
Strip the cut wire ends about 1/2". Wrap the end of the wire going to the solenoid around the diode lead on the side of the diode with the white band. Also wrap the appropriate wire from the RiteHeight system and wrap it around the same diode lead (on the white band side).

Wrap the end of the wire from the sprayer controls around the other diode lead (away from the white band).

Solder the connection, and trim off any excess diode lead.



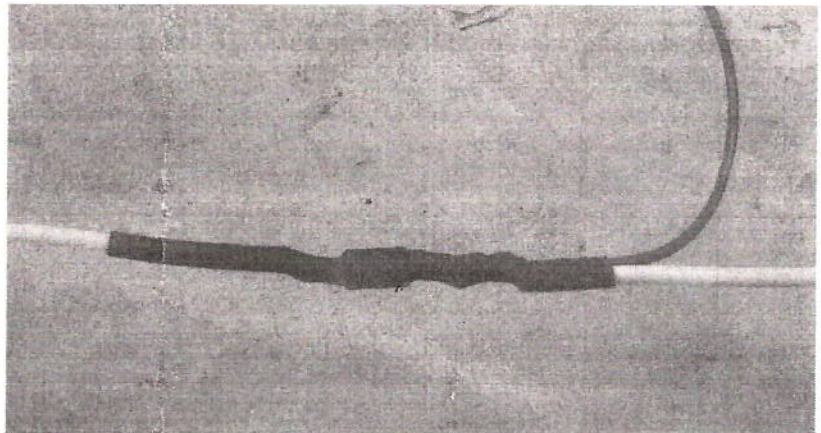
Diode in sprayer wire, with wire from RiteHeight cable



Wires soldered to diode and leads trimmed to length

Inspect the connections to make sure they are securely soldered. Apply dielectric grease or silicone to seal out moisture and dirt. Then slide the heat shrink tubing over the diode and use a heat gun to shrink it in place.

Repeat this process for each of the solenoids to which the RiteHeight system is to be connected.



Heat shrink tubing covers diode and soldered connections