



White® 9000 Planters

Row by Row Load Sensor
Installation Instructions
PN: 2006435-ENG REV. A

Installation Overview

Required Parts

Row by Row White 9000 Load Sensor Kit P/N: 4101418 (4 Rows)		
Part Number	Qty *	Description
4004369	1	Load cell sensor assembly - downforce (white 9000)
2002817-6	4	Cable tie - 6in black
2002290-16	1	Hex nylock flange nut - 16mm

* Quantities listed are per row unit

Preliminary Installation Requirements

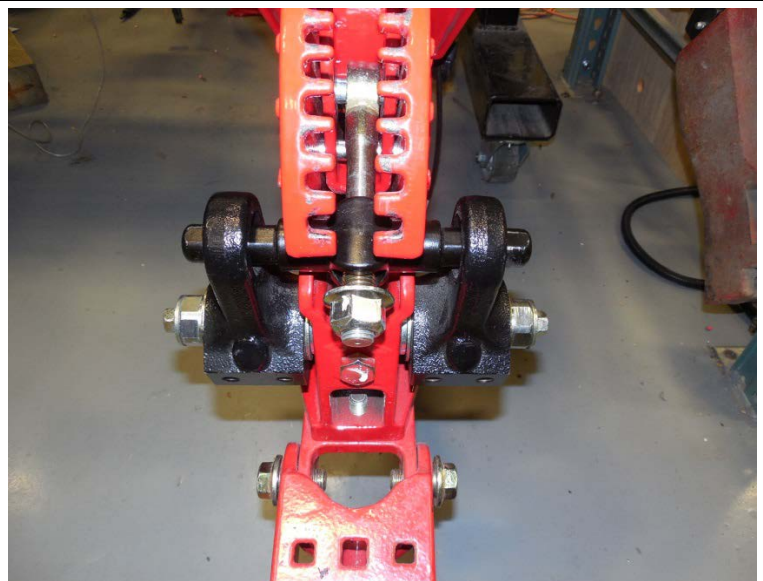


WARNING: Implement must be resting on hydraulic safety stops before beginning installation. Do not rely on hydraulic system alone to support implement. Hydraulics can fail – resulting in serious injury or death.

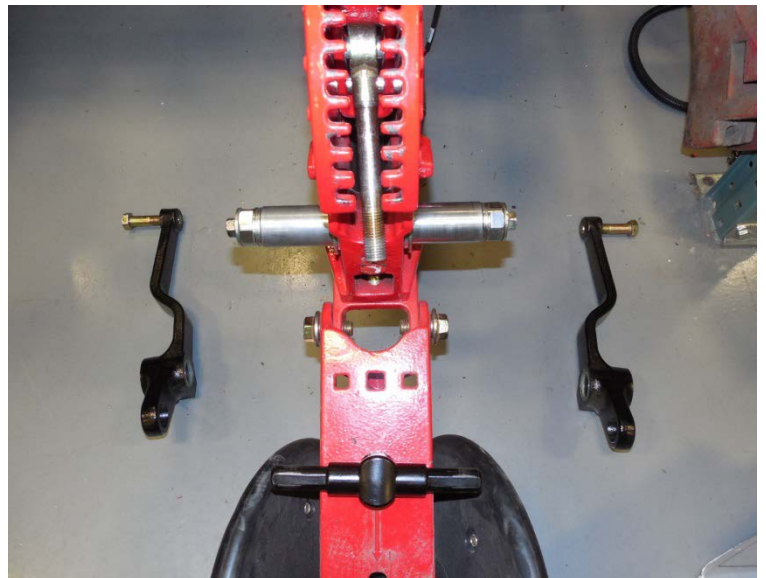
Hydraulic components of Ag Leader down force system and uplift spring (if applicable) should be installed prior to installing electronic components. Hydraulic components and uplift springs will dictate where cables for electronics must be routed.

Installation Procedure

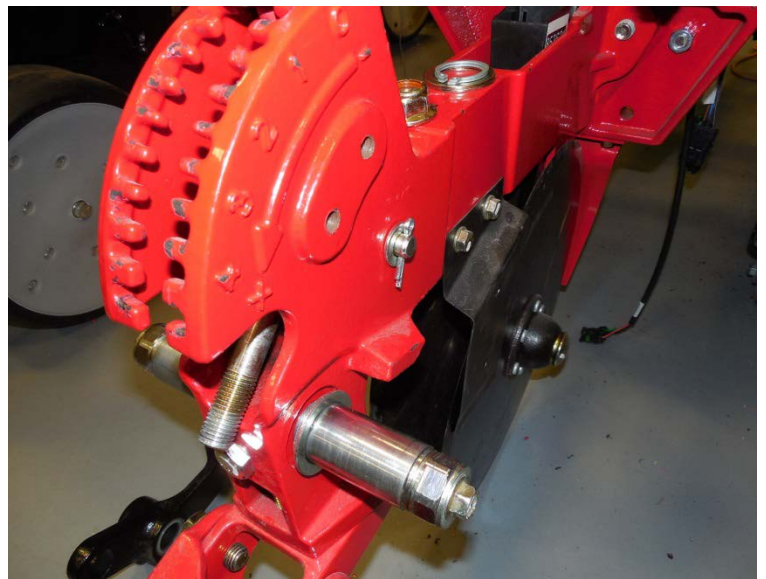
1. Remove hex lock nut from eye bolt (nut will not be reused). Remove snap-rings and flat washers securing gauge wheel arms.



Gauge wheel and hex locknut removed.



2. Remove depth adjustment lever and eyebolt assembly from row unit by removing 1/2 in. clevis pin.



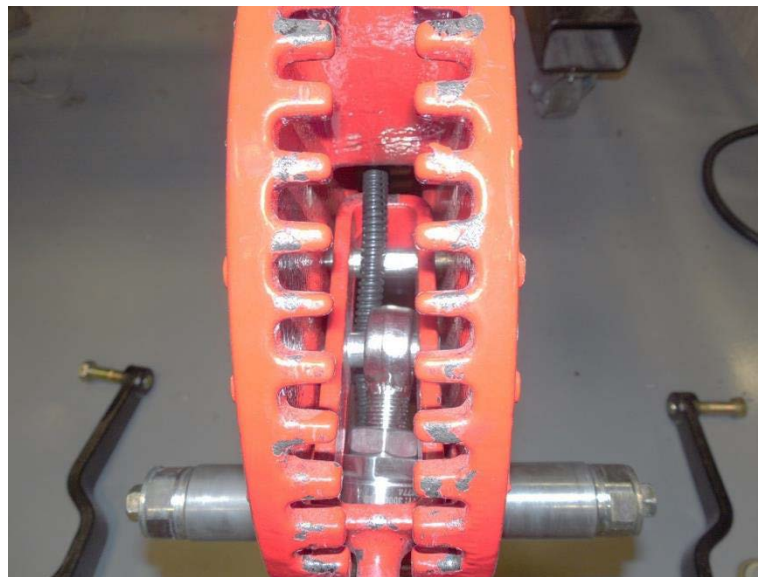
3. With depth adjustment lever/eye bolt assembly removed from row unit, remove eye bolt from lever by punching out roll pin just far enough to release eye bolt.



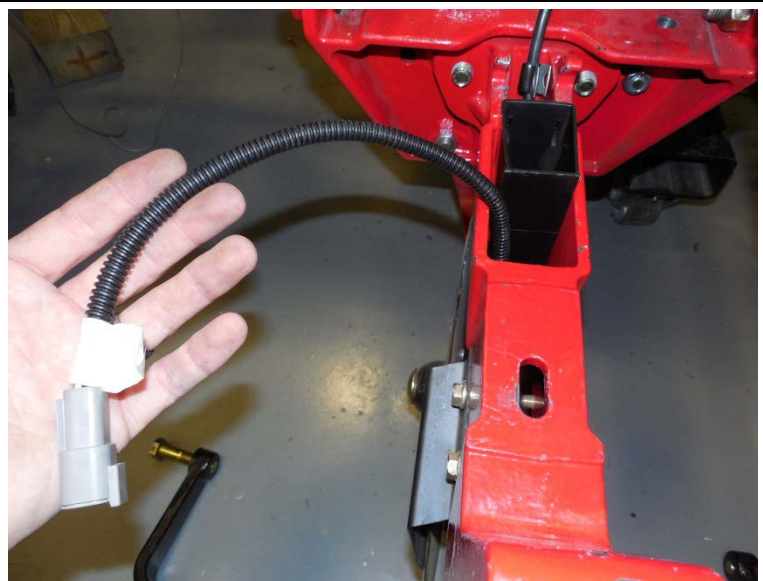
4. Replace original eyebolt with provided eyebolt that contains an integral gauge wheel sensor. Press roll pin back in using a bench vice if available. Refer to figure for proper gauge wheel sensor orientation with respect to lever.
5. Route cable through lever prior to reinstalling lever assembly into row unit. This will help to secure and protect cable.



6. Reinstall lever assembly into row unit in reverse order that it was removed. Be sure cable is routed above clevis pin for added security and protection.

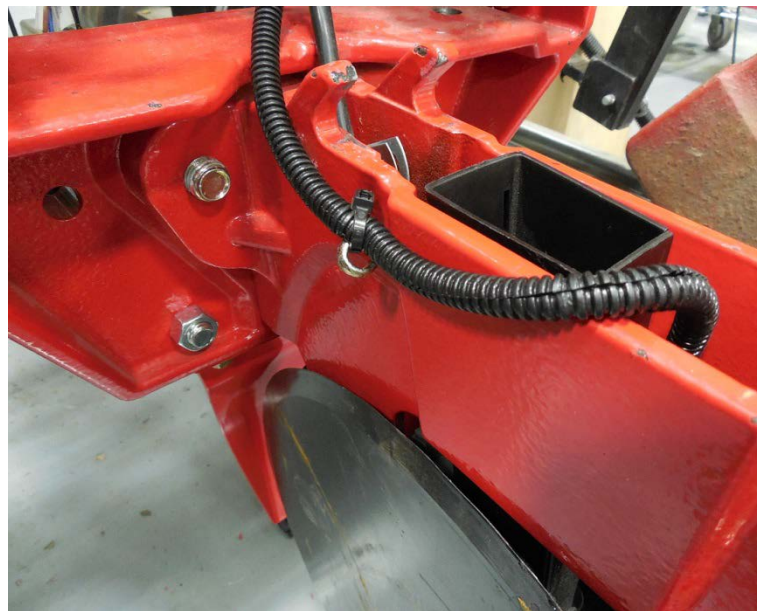


7. Route cable forward and up through shank behind seed tube. The final cable routing will happen in a later step.
8. Reinstall gauge wheel arms and equalizer arm. Install provided 16 mm nylock flange nut.
IMPORTANT: Do not re-use the original flange lock nut.
9. With gauge wheels reinstalled, lower planter so row unit disk openers are resting on the ground.



10. Adjust depth lever all the way up to the “0” position. Now tighten provided 16mm nylock hex flange nut of eye bolt until it comes into contact with the equalizer arm and just begins to take pressure off of the disk openers. This step is a rough calibration of the depth adjustment lever. Verify all row units are properly adjusted to the same planting depth during operational checkout.

11. Secure gauge wheel sensor cable to seed tube cotter pin with a zip tie. Make sure cable plug is fully seated into module receptacle by verifying that the locking tabs of plug are engaged. If this is not done, connector may come loose due to vibration.



12. Connect the Load Pin to the appropriate lead on the RCM I/O Cable.
13. Repeat for each row unit that will be equipped with a gauge wheel sensor.

