

The logo for Ag Leader Technology is centered on a black background with a blue grid pattern. The text "Ag Leader" is in a large, bold, white sans-serif font with a registered trademark symbol. Below it, the word "Technology" is in a smaller, white, italicized sans-serif font. The entire logo is framed by two horizontal lines, one above and one below, with a blue and orange gradient bar on each side.

Ag Leader[®]

Technology

Kinze[®] 3000 Planters

**Row by Row Load Sensor
Installation Instructions**
PN: 2006432-ENG REV. B

Installation Overview

Required Parts

Row by Row Kinze 3000 Load Sensor Kit P/N: 4101415 (4 Rows)		
2002817-6	4	Cable ties
4003967	1	Gauge wheel sensor assembly – Kinze
4003104	2	Gauge wheel sensor cable clip
* Quantities listed are per row unit		

Preliminary Installation Requirements

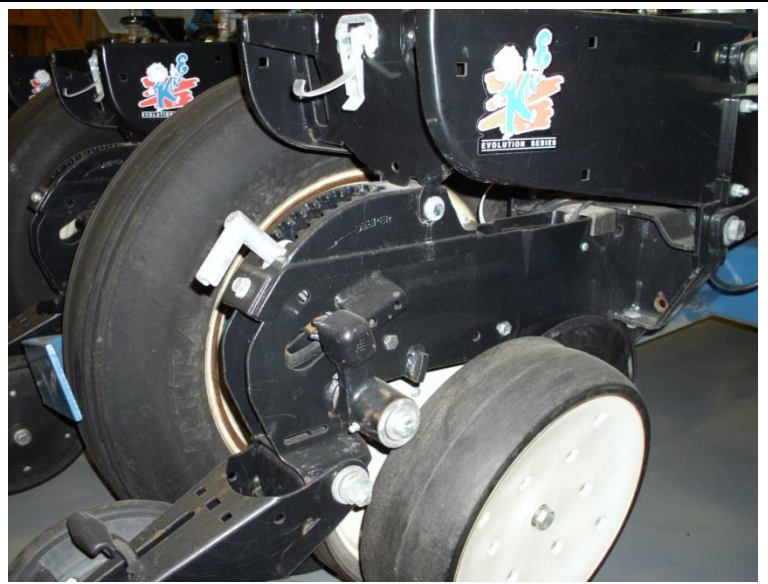


WARNING: Implement must be resting on hydraulic safety stops before beginning installation. Do not rely on hydraulic system alone to support implement. Hydraulics can fail – resulting in serious injury or death.

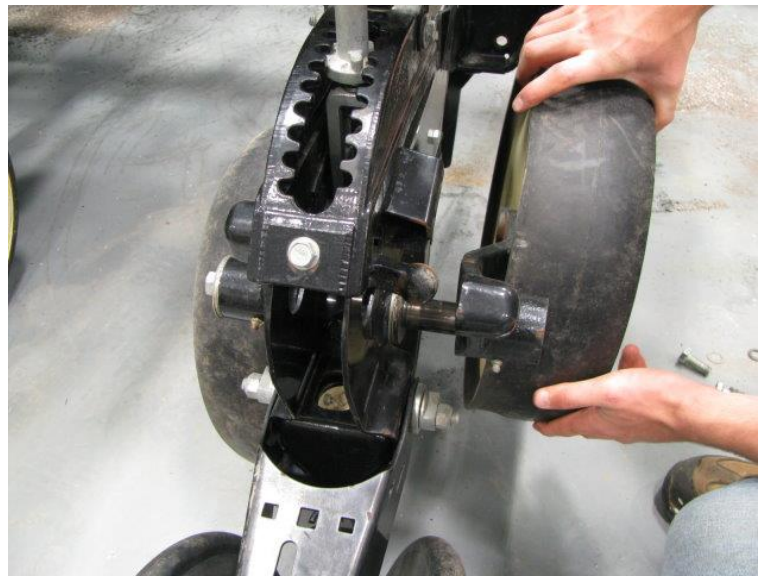
Hydraulic components of Ag Leader down force system and uplift spring (if applicable) should be installed prior to installing electronic components. Hydraulic components and uplift springs will dictate where cables for electronics must be routed.

Installation Procedure

1. Place planter in raised position. There should be no pressure on gauge wheels. If planter cannot be raised, move depth adjustment to max-depth to remove any pressure that might be exerted on pivot bolt.



2. Remove a gauge wheel. (right or left – does not matter)



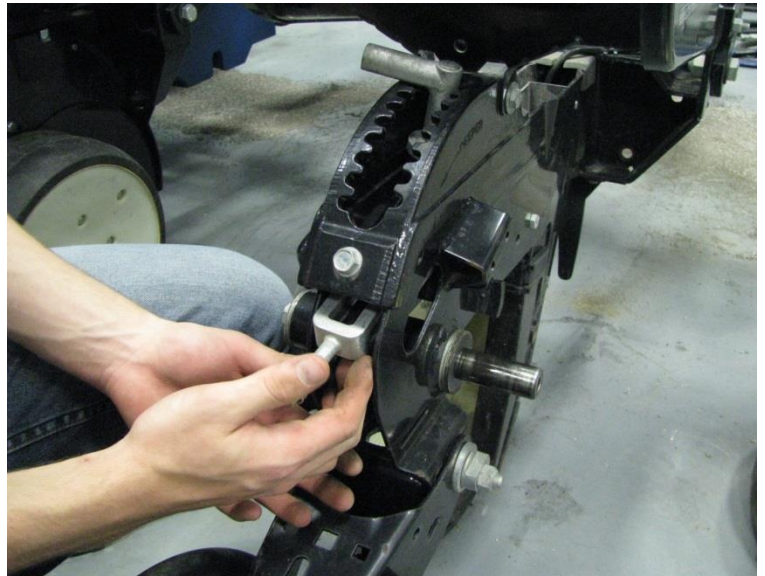
3. Remove pivot link.



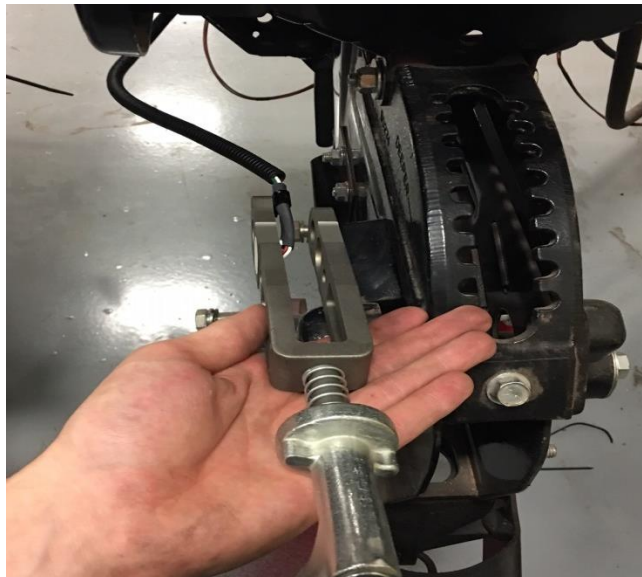
4. Remove 3/8 in. depth adjustment lever bolt from shank.



5. Remove depth adjustment lever from shank.



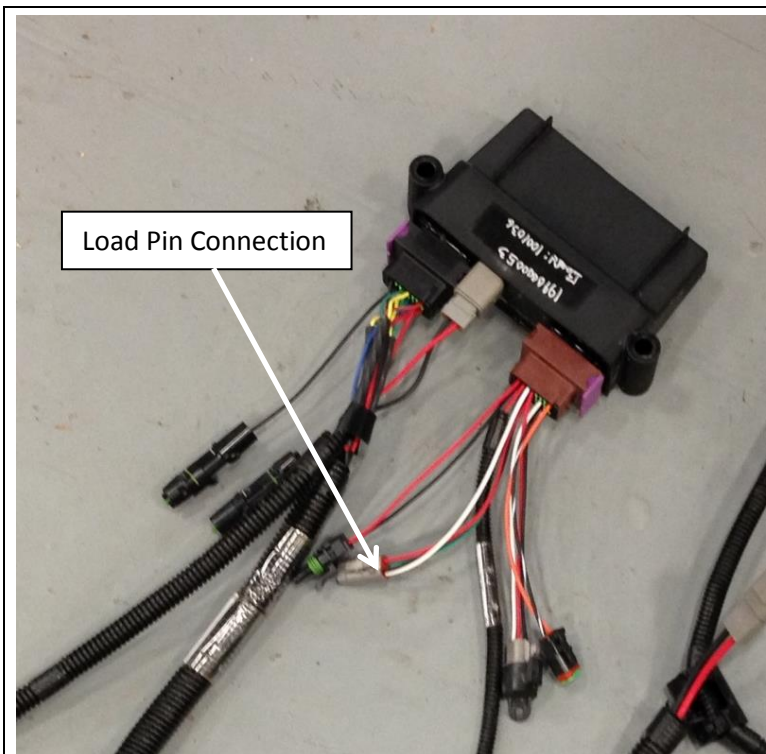
6. Remove bushings, depth adjustment collar and spring from depth adjustment lever.
7. Install on provided depth adjustment lever with integral gauge wheel sensor.
8. Reinstall depth adjustment lever in reverse order as original was removed.
 - Make sure sensor is oriented such that when standing behind the row unit the side of the sensor with the integral cable is on the left as shown.



9. Route the cable under the shank and then up to the RCM module.
10. Secure gauge wheel sensor cable with provided clips and zip ties. Make sure there is enough slack in cable to enable depth adjustment lever to be moved to any position before securing cable. Failure to do so may result in sensor damage.
11. Reinstall gauge wheel.



12. Connect the Load Pin to the appropriate lead on the RCM I/O Cable. 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



13. Repeat steps for each row unit that will be equipped with a gauge wheel sensor.