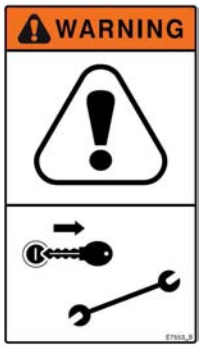
Park the processor on level ground.
Lower the forks to the ground for additional stability.
Disconnect the drive shaft from the tractor before beginning any work.
Disconnect the hitch from the tractor.



Shut down the tractor and remove the key before repairing, servicing, lubricating or cleaning the machine.

Relieve all hydraulic pressure in the hoses. Disconnect the hydraulic hoses from the tractor before going near the machine.

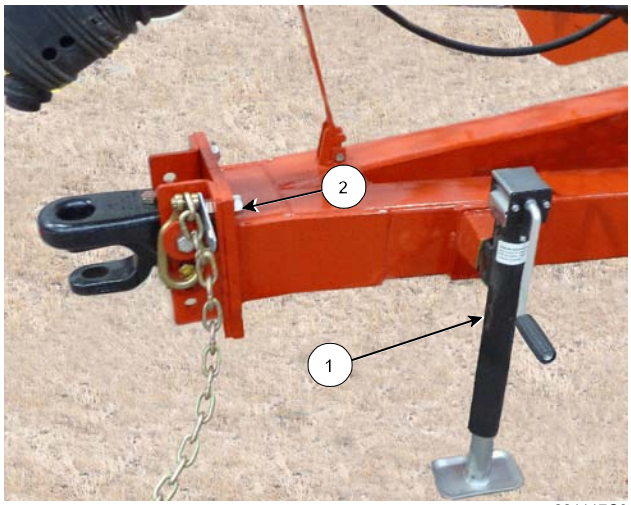
Securely block the machine to avoid any movement while doing the work.

Do Not Enter Tub While Parts Are Rotating
Before entering the tub:
- Turn off the tractor and remove the key.
- Wait for rotating parts to stop

Contact with the rotating flail drum will cause serious injury or death.

1. Support the hitch with the hitch jack (1).

2. Remove the hitch connector from the angle supports.
   - Remove the bolts to remove the hitch connector and safety chain.
     - The bolts and locknuts will be re-used. The safety chain will be re-used.
     - Discard the hitch connector.
   - Loosen the 4 bolts (2) connecting the angle supports to the frame.
     - Do not remove the bolts.

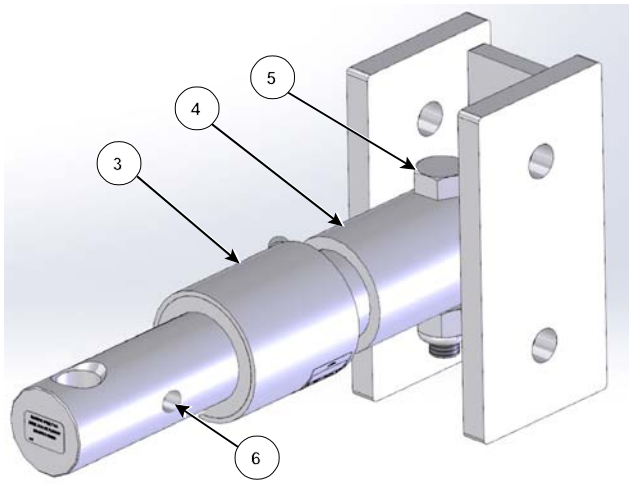


Support the Hitch with the Jack 221117C3

3. Place the load cell (3) into tube of the hitch mount bracket (4).

   - Ensure the end with the vertical and horizontal holes (6) is pointing away from the mount bracket.

   - Fasten with 3/4" x 4" bolt (5) and a locknut.



Place Load Cell Into Hitch Mount Tube 217219C

4. Place the hitch load cell mount (1) between the hitch brackets.

   Note: In this application the load cell is used with the arrow on the front of the cell pointing upward.

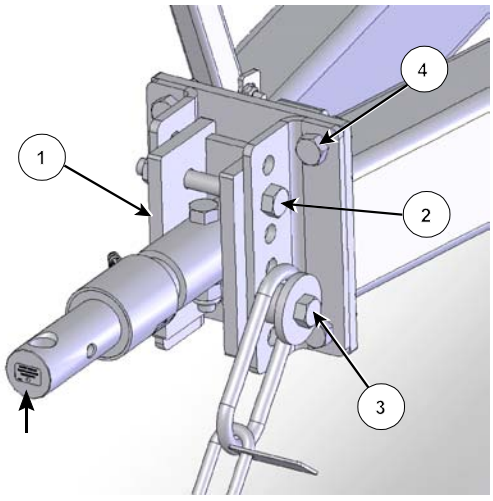
   - Fasten the load cell mount to the angle bracket with the upper bolt (2) and a locknut that was removed earlier.

   - Place the safety chain, bushing and washer over the lower bolt (3).

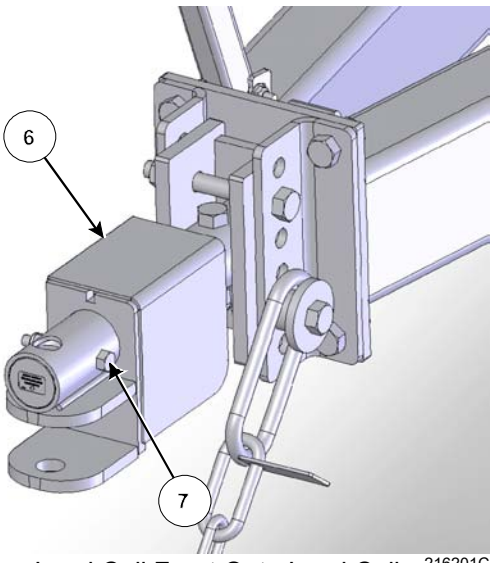
     - Place the lower bolt through the hitch brackets and fasten with the locknut.

   - Tighten the 4 bolts (4) on the angle support mount brackets that were loosened in step 3.

5. Place the load cell front cover (6) onto the load cell.
   - Route the wire from the load cell to the left side of the machine.
   - Fasten with ½" x 3 ½" bolt and locknut (7).



Fasten the Load Cell Into Hitch Mount 216200C



Fasten Load Cell Front Onto Load Cell 216201C

Right Rear Axle

1. Block up the right axle.

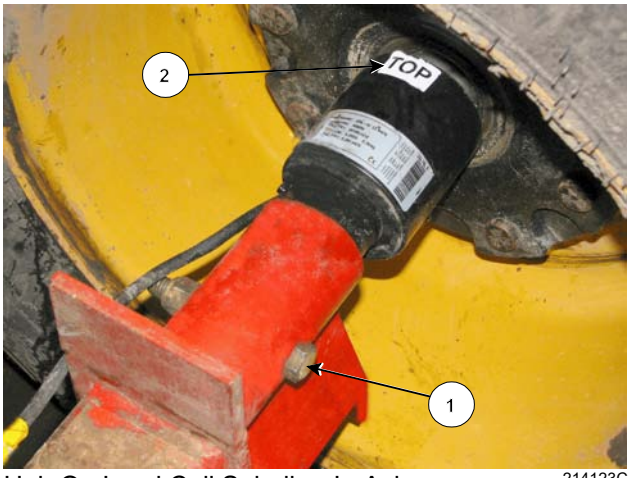
2. Remove the tire.

3. Remove the bolt (1) holding the existing spindle and hub.
   - The bolt and nut will be reused.

4. Remove the hub from the spindle.
   - Discard the spindle.

5. Install the hub onto the load cell spindle.
   - Take care to not damage the oil seal when installing the hub onto the new spindle.

6. Install the load cell spindle with hub into the axle.
   - Use the bolt that was removed previously.
   - Ensure the load cell is positioned so that the label “Top” (2) is upwards.



Hub On Load Cell Spindle - In Axle 214123C

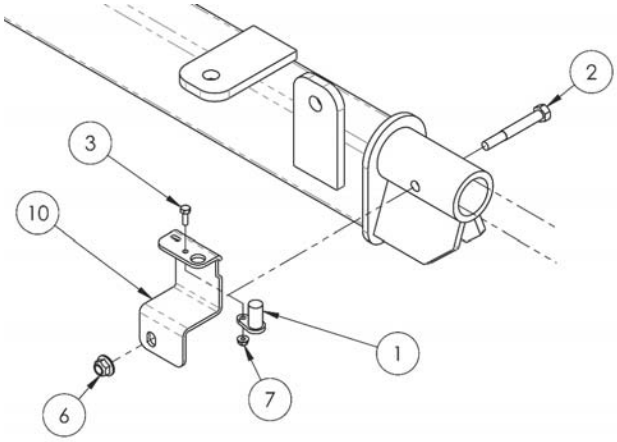
Left Axle

1. Block up the left axle.

2. Remove the tire.

3. Remove the bolt (2,6) holding the existing spindle and hub.
   - The bolt and nut will be reused.

   If there is a Grain Tank installed on the machine:
   - Remove the speed proximity sensor bracket (10).
   - Remove the proximity sensor (1) from the bracket (10) by removing the fasteners (3,7).
     - Keep the proximity sensor (1) and fasteners (3,7).
     - Discard the bracket (10).



If Grain Tank Present- Remove Sensor & Bracket 221438

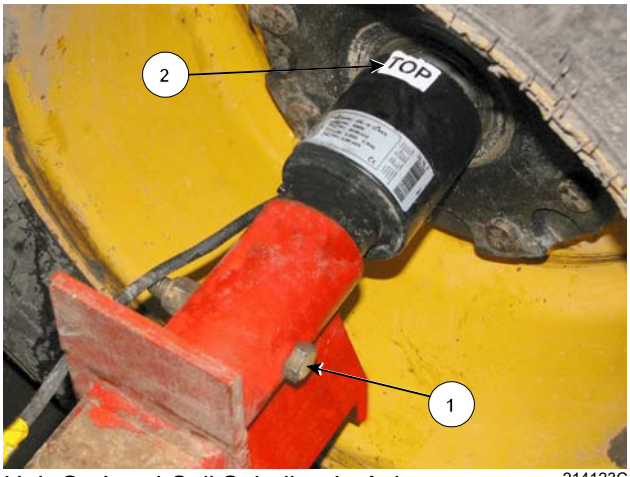
4. Remove the hub from the spindle.
   - Discard the spindle.

5. Install the hub onto the load cell spindle.
   - Take care to not damage the oil seal when installing the hub onto the load cell spindle.

6. Place the load cell spindle with hub into the axle.
   - Ensure the load cell is positioned so that the label “Top” (2) is upwards.

   Note: If there is a Grain Tank installed refer to the instructions below before proceeding.

   - Install the spindle bolt (1) to fasten the spindle and the proximity bracket.
     - Torque to 85 lbft (115 Nm).

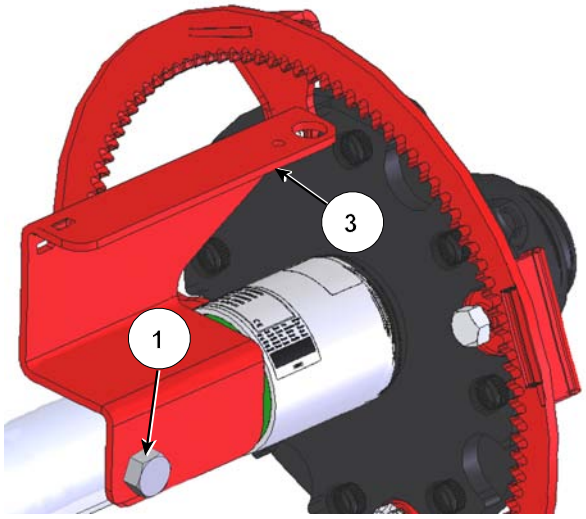


Hub On Load Cell Spindle - In Axle 214123C

<u>If there is a Grain Tank Installed</u>:

- Place the new sensor bracket (3) over the spindle bolt hole.

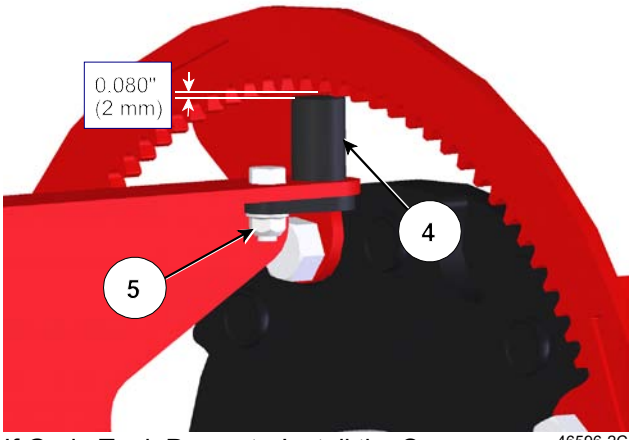
  - Install the spindle bolt (1) to fasten the spindle and the proximity bracket.
    - Torque to 85 lbft (115 Nm).



If Grain Tank Present - Install New Sensor Bracket 46596-1C

- Place the proximity sensor (4) into the bracket.
  - Fasten the sensor with the 1/4" x 3/4" bolt and flange locknut (5) removed earlier.

Note: The distance between sensor face and sensor teeth can be up to 0.080". Add 1/4" washer if necessary.



If Grain Tank Present - Install the Sensor 46596-2C

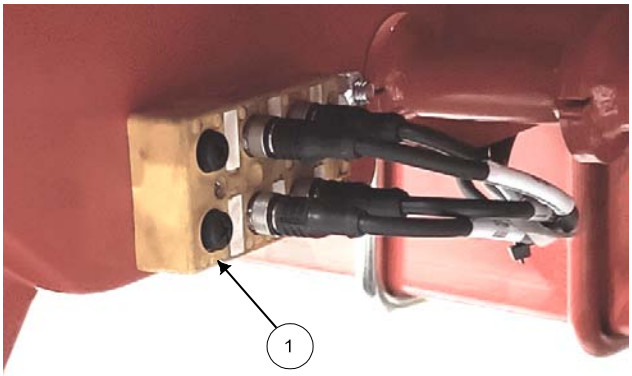
7. Connect the sensor to the wiring harness.

8. Run the connector wires from the spindles and the hitch along the frame toward the front tub wall.

9. Mount the connector block (1) to the left side on the back of the front tub wall.

Note: If no holes are present in tub wall, use a 11/64" drill bit to drill holes for the mounting block. Use the block as a guide for drilling.

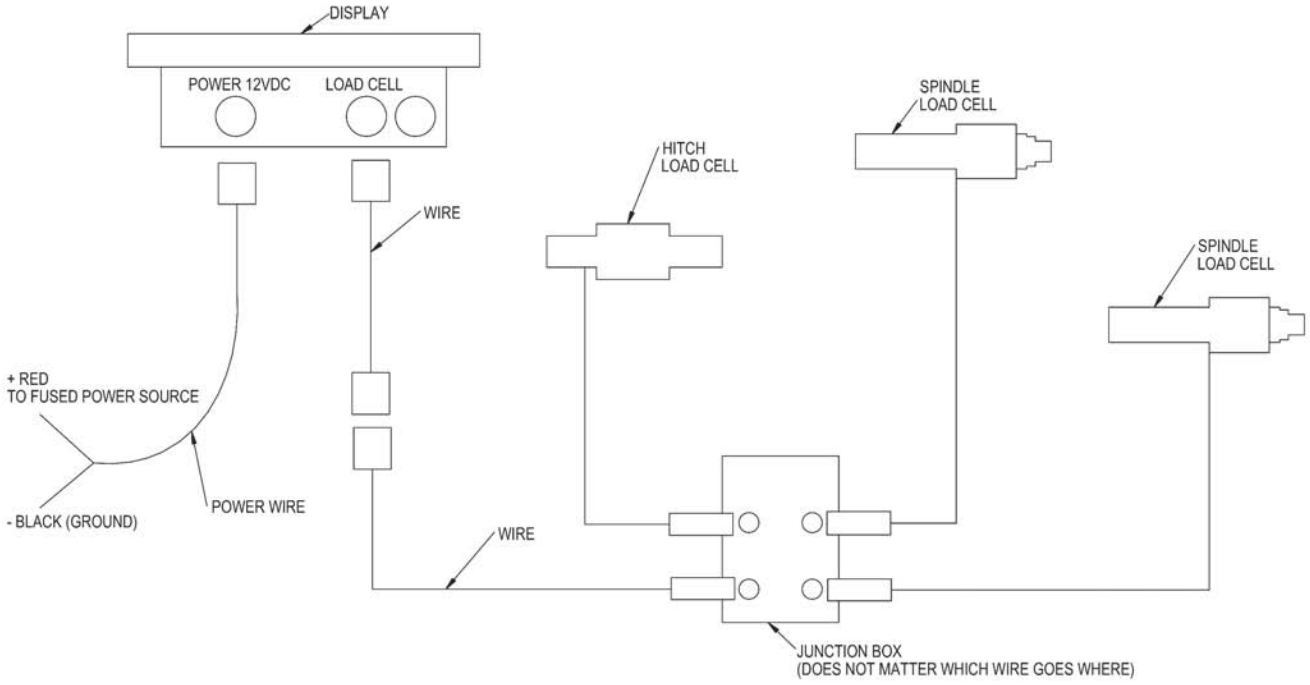
- Use the included 8-32 x 1-1/2" machine screws and nuts to attach the block to tub the wall.



Mount Connector Block - Connect Wires 221529C

10. Connect the wires from the 2 axles and the hitch load cell to the connector block. (See diagram below).

- Run the wires where they will not be pinched or be subject to abrasion.
- Fasten the wires to secure points using zip ties.



Connect the Wires

41659_B

11. Run the connection for the display from the tractor to connector block.
    - Connect to the block.
    - Run the wires where they will not be pinched or be subject to abrasion.
    - Fasten the wires to secure points using zip ties.

12. Mount the weigh scale display in the tractor.
    - Connect to a power supply.
    - Connect to connector block.

13. See the Weigh Scale manual that came with the weigh scales for the operating information and how to enter the following Digistar Scale setup numbers:

    - Enter the Setup value as 145016.
    - Set the Calibration number to 24000.

Weigh Scale Display

214125