



16027 Hwy 64 East – Anamosa, Iowa 52205

Phone: 319-462-2344 or 888-962-2344

Email: [scaletec@scale-tec.com](mailto:scaletec@scale-tec.com)

# John Deere 1790 CCS w/ Bauer bar Scale System

## Instruction Booklet



**This product application is covered by U.S. Patents;**

**PATENTS: 6,732,667—7,059,258—7,273,017—7,357,087—7,448,335—7,523,710**

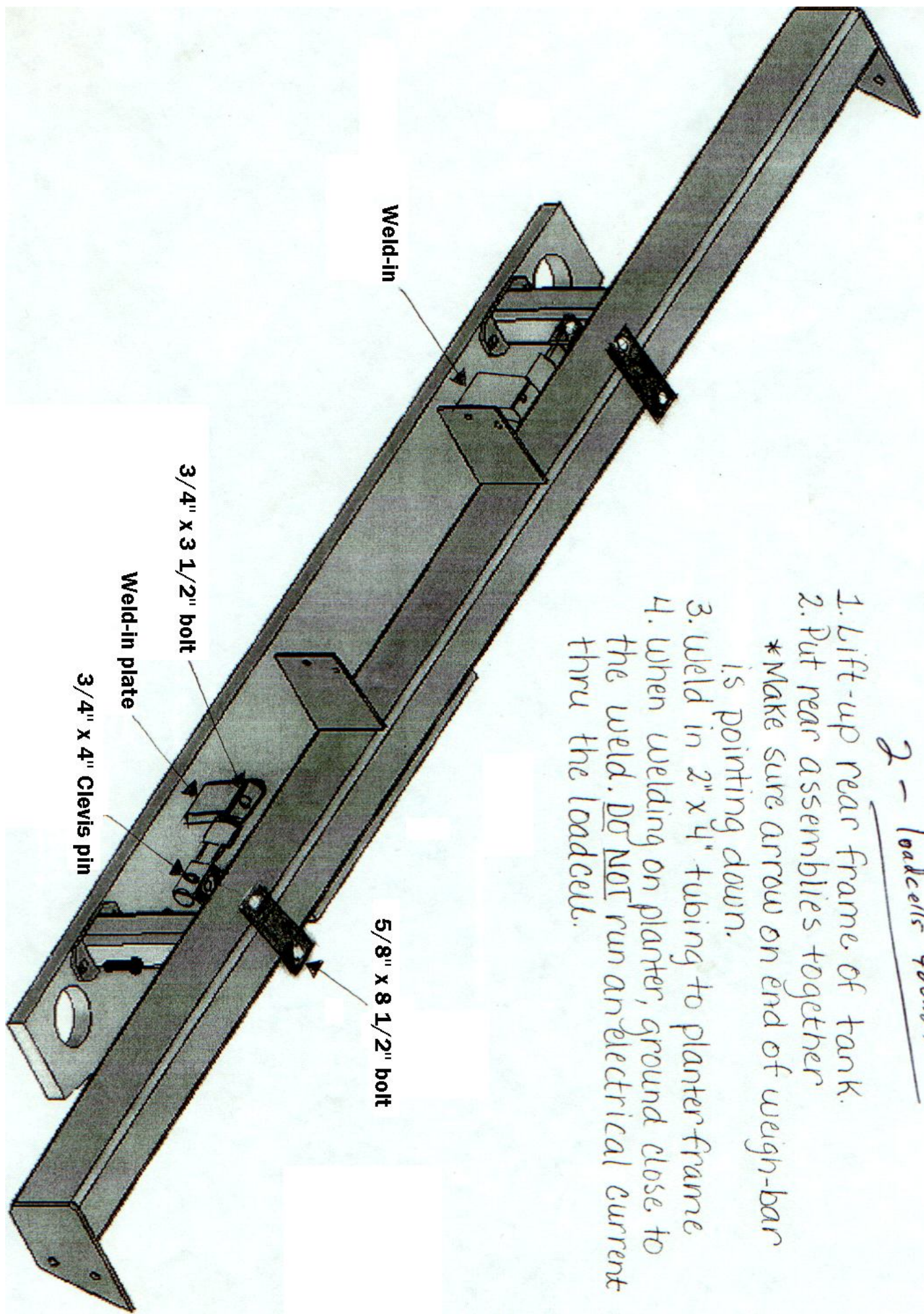
**PATENT PENDING: 12/427,915**



Rear Brackets: Bower Frame

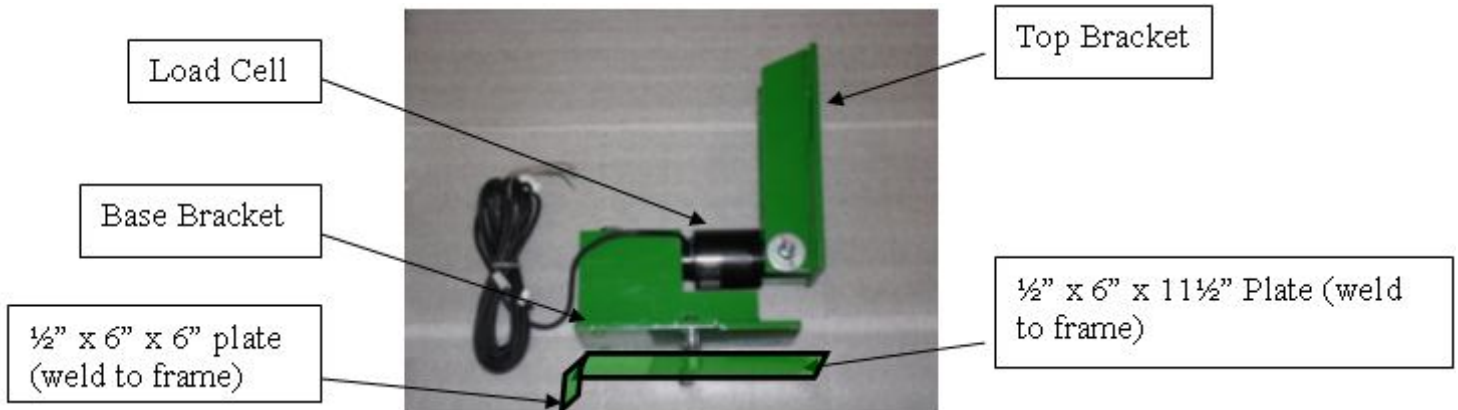
2 - loadcells 400525

1. Lift-up rear frame of tank.
2. Put rear assemblies together
- \* Make sure arrow on end of weigh-bar is pointing down.
3. Weld in 2" x 4" tubing to planter frame
4. When welding on planter, ground close to the weld. DO NOT run an electrical current thru the loadcell.





## 1790 New Style with Bauer, Front Leg Assembly



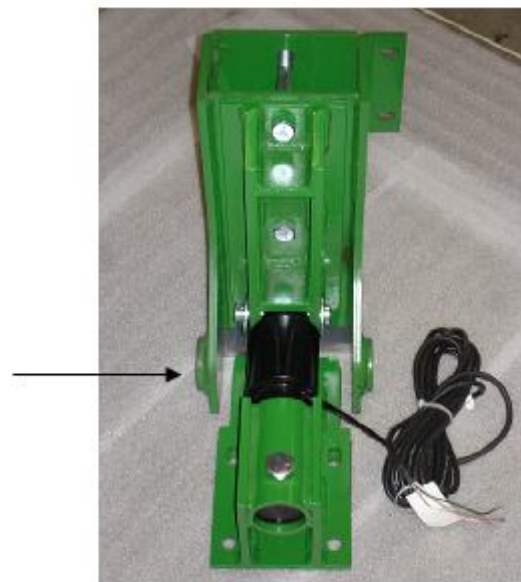
1.
  - Remove the two horizontal 5/8" bolts to the front leg.
  - Lift the front leg up 3/4".Assemble the Front Leg Assembly.
  - **IMPORTANT:** The load cell arrow located on the end of the FRONT LOAD CELL needs to be pointed DOWN.

2.
  - Use the 3" x 3/4" bolt to bolt the load cell to the base bracket.
  - Use the 4" x 3/4" clevis pin from the load cell to the top bracket.

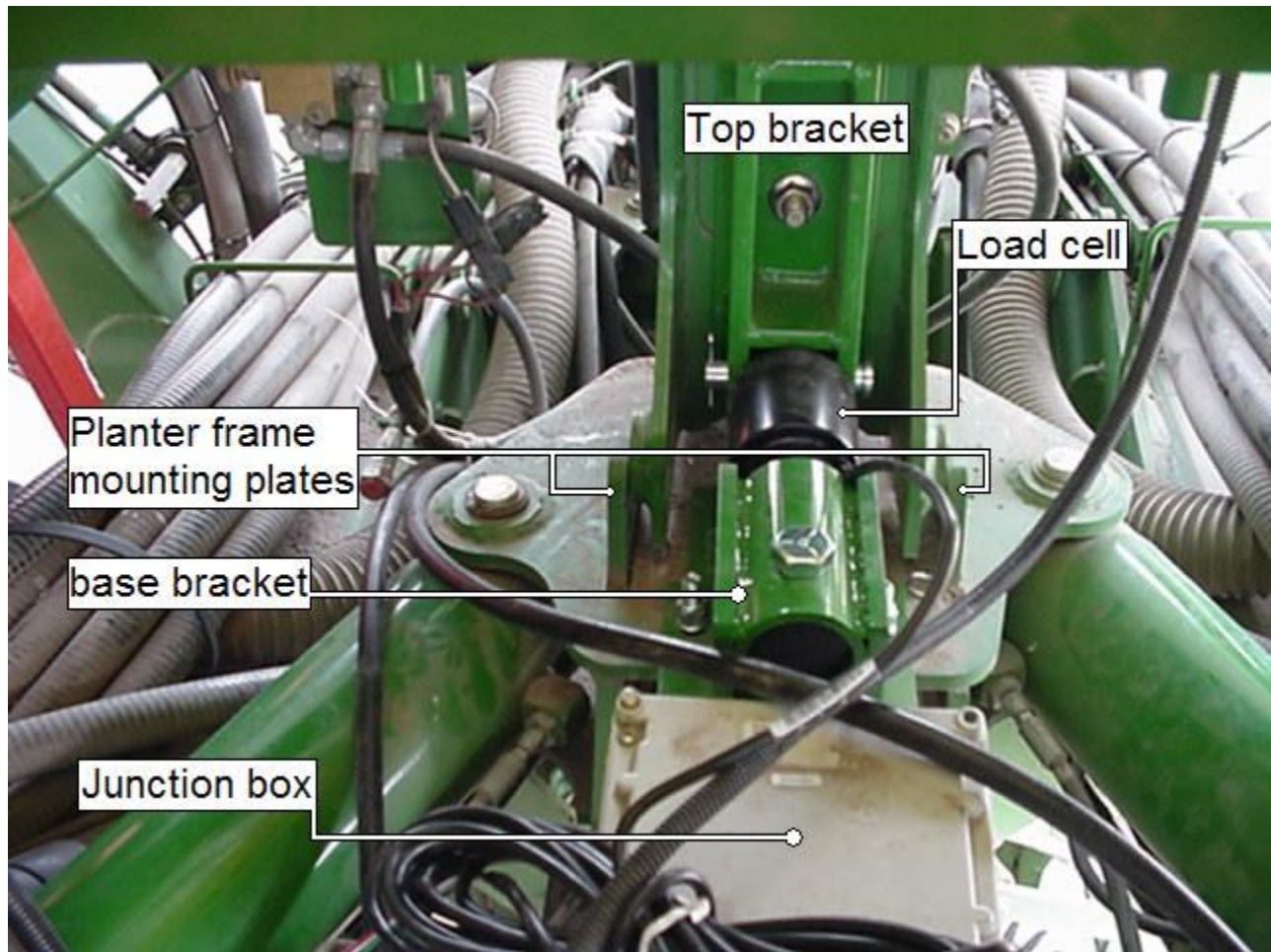
3.
  - Install the Front Leg Assembly to the front leg, using the existing hardware.
  - Use the 2 1/2" x 1/2" bolts provided to hold the base bracket and shim plate to the planter frame.
  - Tighten the base plate to planter frame.

Make sure the front leg is not rubbing on the two mounting plates on the planter frame!

The junction box gets bolted to the two holes on the end of the base bracket.

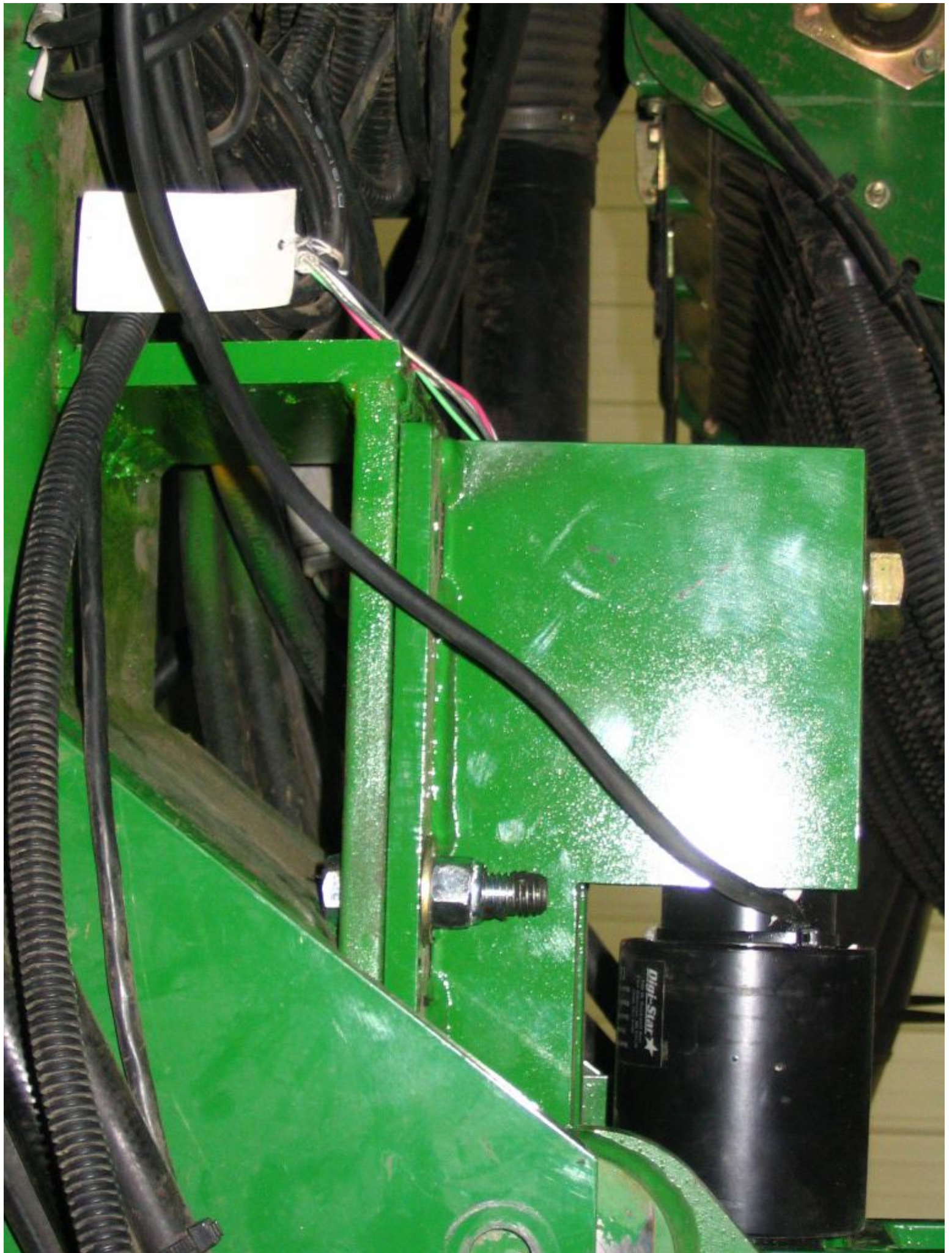


## 1790 New Style Front Leg Assembly (Bauer, continued)



- 1.) Remove the two horizontal 5/8" bolts to the front leg and mounting plates on the planter frame. Lift the front leg up 3/4". Assemble the Front Leg Assembly. **IMPORTANT:** The load cell arrow located on the end of the FRONT LOAD CELL needs to be pointed DOWN.
- 2.) Use the 3"x3/4" bolt to bolt the load cell to the base bracket. Use the 4"x3/4" clevis pin from the load cell to the top bracket.
- 3.) Install the Front Leg Assembly to the front leg, using the existing hardware. Use the 2 1/2" x 1/2" bolts provided to hold the base bracket and shim plate to the planter frame. Tighten the base plate to planter frame.

If you have any questions regarding the installation or the product, give us a call at (319)-462-2344, or Toll-Free +1-877-962-2344.



## Indicator mounted on planter



Above: the indicator can also be mounted to the railing. Then it can be turned to face backward while filling the hoppers, and turned forward for observation from the cab while planting.

If you have any questions regarding the installation or the product, give us a call at (319)-462-2344, or Toll-Free +1-877-962-2344.

**Power Connection:**

The power cable should be connected directly to a vehicle battery or regulated power supply. The scale end of the power cable is attached to the J901 connector located on the bottom panel of the scale.

Connect the RED wire from the power cable to +12 VDC and the BLACK wire to GROUND. The indicator is fused internally at 4 amps.

Power Cable Connections:

<b>Wire color</b>	<b>Wire Function</b>
Red	<i>Battery (+12 VDC)</i>
Black	<i>GROUND</i>

**Load Cell Connection:**

The indicator is designed to operate with strain gage load cells. The indicator will normally be supplied with a "J-BOX" cable going between the scale and the load cell junction box. Extension kits are available from your dealer in various lengths.

To connect the load cells, attach the junction box cable to the J902 or J903 connector on the bottom panel of the scale.

### **How to use a scale on a Central Fill System**

\*\*\* The example we are using is 2000 lbs of seed evenly filled in both hoppers. There is 25 lbs of seed left from the last fill.

1. Push the 'Start' button. The screen will show zero, and the arrow is now pointing to 'Net' on the screen. This is a temporary zero point to start loading the planter with seed. You will now fill 1000 lbs of seed into the left hopper.
2. Push the 'Stop' button, the readout now reads 1025 lbs of seed inventory.
3. Push the 'Start' button again. The screen will say zero again. Load another 1000 lbs of seed into the right side.
4. Now push 'Stop,' and the screen will read 2025 lbs of seed. The numbers will work lower as the seed is planted.