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JD 1720 Scale System

Instruction Booklet

Front Cells

IMPORTANT!!!

MAKE SURE ARROW ON END OF WEIGH BAR IS POINTED UP!

1. Remove the four bolts from the front leg and jack the front hopper leg up. Make enough room so that you can install the bolts beneath the planter leg.
2. Use the same bolts to install the two angle irons to the bottom of the plate shown above.
3. Install the long side of the load cell into the planter leg using the provided 4” clevis pin.
4. Install the load cell bracket to the short end of the load cell using the provided 4” clevis pin.
5. Bolt the load cell bracket to the angle irons using the 5/8”x 2” bolts provided. Most models will have a taller load cell bracket and will not require spacers.

Undercarriage View

Loosen the leg on the opposite side of the leg that is being removed, before lifting with jack. The central hopper must be jacked up as shown above. Remove the bolts on the leg base bracket first. Then remove the top three bolts. (The top carriage bolt will come out by lifting the plastic seed hopper)

For now, only reinstall the top carriage bolt, and leave the bottom two carriage bolts out, so that the load cell bracket is free to swing back. You will need to have enough room to swing the completed assembly into place.

Rear View

IMPORTANT!!!

MAKE SURE ARROW ON END OF WEIGH BAR IS POINTED UP!

In order to get the rear assembly into place, swing the load cell bracket back, and install the load cell using the 4" clevis pin. Then slide the leg bracket onto the load cell short end, and swing the entire assembly down again. Use the existing bolts for the two holes on the bottom of the leg bracket and a 4" clevis pin to attach load cell to the leg bracket.

At this point you can reinstall the bottom two bolts through the load cell bracket and the bottom of the hopper frame.

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:

Wire color	**Wire Function**
Red	*Battery (+12 VDC)*
Black	*GROUND*

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.