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Case International 15' Drill 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

Case International 15' Drill

Digi-Star Instructions

1. (Photo 1) On the right-side panel, mount the lower rear bracket- use the bolt used for the chain sprocket to hold the bracket in place.
2. Install the load cell with the 3/8" x 2 1/4" clevis pin and make sure that the arrow on the end of the bar is pointing down.
3. (Photo 2) Clamp on the top bracket; measure from the top seam on the side bracket to get the bracket straight.
4. Install the front load cell with the 3/8" x 2 1/4" clevis pin and clamp it to the side panel on the drill.
5. Leave 1/16" to 1/8" clearance between the end of the load cell and the stop plate on the 2" caps on the top bracket.
6. Put 1/2" thick spacers between the load cell sockets on the lower bracket and the top bracket (use the non-painted spacers to square up the bracket before drilling the holes.)
7. When the brackets are all straight and have the proper clearance on the end of the load cell, drill all the holes in the side plate.
8. When the holes have been drilled, remove all of the brackets from the side of the drill.
9. (Photo 3) Cut a 1" section out of the side-panel and measure down from the top seam in the side panel. Measure 12 1/2" and 13 1/2" down from the seam on the top of the side-plate to make a cut. Touch up the cut with a grinder and paint it with a can of IH paint.
10. Bolt on the brackets with the 1/2" x 1 1/2" bolts starting with the lower rear bracket, the top bracket, and then the lower front bracket. When all of the brackets are in place, make sure you have the 1/16" to 1/8" clearance between the end of the load cell and the stop plate with the 2" caps on the top bracket.
11. Repeat steps 1-10 on the left side.
12. Remove the two support brackets that are connected to the catwalk and the seed-hopper. They are located about 3-4 ft. in from the ends of the drill.

13. Bolt the mounting bracket to the drill or in the tractor cab.
14. Install the power cord to a 12 volt negative ground battery (the red wire is positive and the black wire is negative.)
15. Route the weigh-bar cords so that the bar will not be bound or pinched by anything, and connect them into the readout. It doesn't matter which hole the weigh bar cords go into on the readout. (Each weigh bar has 30' of cord.)

If you have any questions, don't hesitate to call Scale-Tec at (319) 462-2344, or toll-free +1-888-962-2344.

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:

Wire color	Wire Function
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.

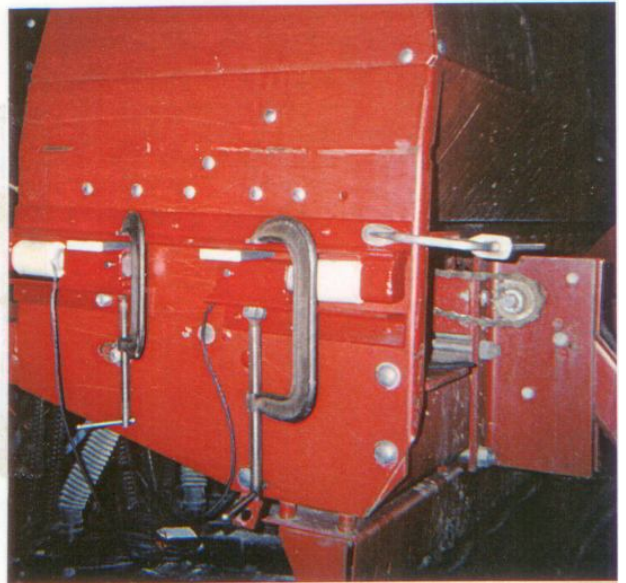
To connect the load cells, attach the junction box cable to the J902 or J903 connector on the bottom panel of the scale.

See last page for instructions on testing and using your scale system.

1

Top seam on side panel

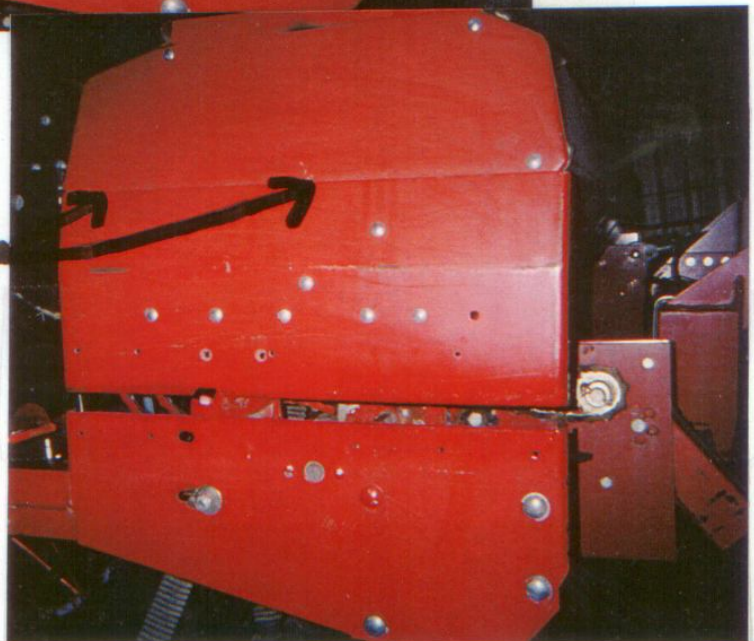
2



3

Top seam on side panel

4



How to Check the Drill Scale after Installation

For the first test, lift the drill all of the way up on a level area. Next put 200-250 pounds of weight on the right side and then compare it to the left. Both sides should be within four to six pounds of each other.

-If the weight is not within the four to six pound range the problem could be that the drive chain is too tight or that the clutch is binding. Loosen the chain and check the weight again; if it weighs correctly the problem was that the chain was too tight.

-If your scale still doesn't weigh right you must remove the clutch arm, and check the weight on both sides. If this corrects it, then your clutch was the problem. Remember that the clutch arm needs to be on the back of the clutch to work properly.

The second test is to lift the drill up on a level area and zero the scale. Next lift the drill up and down two or three times, checking to see if the scale goes back to zero. Every time the drill is up the scale should read within four to six pounds of each other time. If the scale doesn't stay in this range, remove the clutch arm and repeat the test with the clutch disconnected. If this solves the weigh problems, then the clutch is binding, or it needs lubrication (remember- the clutch arm needs to be on the back side of the clutch to work properly.)

If you have any questions, don't hesitate to call Scale-Tec!

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How to use Drill Scale with a Digi-Star GT460 Indicator

1. Turn indicator on.
2. Push the "ZERO" button to zero out the scale.
The arrow will be pointing towards "GROSS" on the display.
3. Fill the drill with seed. The GROSS weight is your inventory of seed in the drill.
4. To set population rate, stop in a level location with the drill row units up.
5. Check your acre counter.
6. Push the "START" button on the display.
The display will show zero.
An arrow will be pointing towards "TARE" on the display.
7. Drill 3 acres and stop in a level location with the drill row units up.
8. Divide the acres planted the amount of seed used.
This gives the pounds per acre of seed.
9. Press "STOP", the indicator will go back to displaying the inventory of seed in the drill.
The arrow will be pointing towards "GROSS" on the display.