

Digital Counter Regular Wire Upgrade Kit

From Calculator to Digital Counter



Locate the **Gray Calculator** sensor wire the runs from the pickup to the caker.

Disconnect and remove all the Grey Calculator wire.

Remove the magnet from the Sprocket and remove the sensor magnet from the post on the gear box!

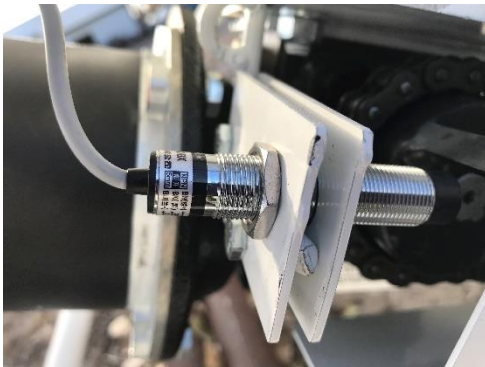
ALL OF THE MAGNET AND GLUES MUST BE REMOVED FROM THE SPROCKET



Mount the sensor with brackets around the post that you removed the magnet sensor from.

Place the silver sensor in the mounting bracket using one nut in the front of the bracket and one nut behind. When placing your sensor, you will need to be least an 1/8" to 1/4" from the sprocket tab.

BE CAREFUL NOT TO BREAK OFF THE BLUE TIP FOR THE SENSOR WIRE.



Run the new sensor wire from the caker up to the pickup cab.

Place your Pierce Digital Counter Monitor on your dash in cab of vehicle.

Connect the power cord and sensor wire to the back of the box and test.

Trouble Shooting

Digital Counter

Counter monitor will not light up.

1. The power cord to monitor might have a wire pulled loose.

Open the silver connection on the cord to look for a loose wire,
If this end is ok the wire could be off on the other end.

Both ends are replaceable. Call the Office 402-966-2251

2. Your Power point may not be getting power

Check pickup Fuses.

3. You may have blown the fuse in the back of the box.

My Counter Box is fine but will not count.

Dose your sensor on the cakars side still have a color tip on the end?

Sometimes they get broken off you will need to replace the whole sensor.

The Sensor needs to see the tab on the sprocket.

The distance from the end of the sensor to the tab should be no more than 2 credit card thickness.

Dose the Light on the back of the Sliver sensor on the caker side light and blink each time the tab on the sprocket comes around?

Constane Light: Means it is reading the sprocket instead of the tab on the Sprocket.

Adjust the Sensor mount bracket out toward the end of the sprocket so the sensor can only see's the tab but not the sprocket hub.

No Light: Means it is not getting power.

Take the silver plugs apart and make sure they are clean and free of dirt and cob weds,

Verify all your wires are connected. Make sure you have no wire touching the metal outside case.

DIGITAL COUNTER



This counter will only count revolutions, so you will need to calibrate it to your feed output.

CALIBRATING THE COUNTER

Press the button to run the caker until feed begins to run down the spout.

1. Press the "reset" button on the counter. (Counter should read zero.)
2. Determine the empty weight of a 5-gallon bucket, or similar container.
3. Place the bucket / container so the cake feeder will dispense feed into it.
4. Press the button which runs the feeder and hold it until your bucket / container is full.
5. Weigh the bucket / container, then subtract the empty weight of the container to determine the weight of the feed dispensed.
6. Divide the weight (pounds) of the feed dispensed by the number displayed on the counter. The result will be the pounds of feed dispensed for every revolution of the counting mechanism.

For example:

You have 300 head of cows you wish to feed 2.5 pounds per head. (A total of 750 pounds feed.) You have a 5-gallon bucket that weighs 3 pounds empty. After filling the bucket, you weigh it and determine the weight of the bucket to be 38 pounds. You subtract the empty weight of the bucket (3 pounds) and determine there are 35 pounds of feed in the bucket. The number displayed on the counter (the number of revolutions it took to fill the bucket) is 7. You divide 35 by 7 and determine the calibration number to be 5. (The feeder is dispensing at 5 pounds of feed per revolution.) Therefore, to feed 750 pounds of feed, you will have to reset your counter to zero, and run the caker until the number displayed on the counter is 150.