GRANVILLE EQUIPMENT

Manufacturing Equipment for the Efficient Farmer

4602-A Watkins Road
Oxford, North Carolina 27565
Phone: 919-693-7268
website: www.granvilleequipment.com

”Bacca” Baler

Vertical Tobacco Baler

Set-up, Operation, Maintenance, and Troubleshooting Manual

June 2008

TABLE OF CONTENTS

INTRODUCTION

Thank you for purchasing our "Bacca" Baler. At Granville Equipment we are dedicated to manufacturing equipment for the efficient farmer. We strive to build equipment that will help farmers become more productive with their labor force, increase speed, and generate more profit.

This manual is designed to help set up, operate, and maintain your new "Bacca" Baler. Also included is a section that will help to troubleshoot any minor problems that may arise with your baler.

Any questions on replacement parts or servicing for the baler should be directed to the local dealer from whom you purchased the equipment.

We sincerely thank you for purchasing your new "Bacca" Baler from Granville Equipment.

GRANVILLE EQUIPMENT
4602-A Watkins Road
Oxford, North Carolina 27565
Phone: 919-693-7268
website: www.granvilleequipment.com

GRANVILLE EQUIPMENT
Limited Warranty

Granville Equipment, Inc. warrants its agricultural equipment to be free of any defects in materials or workmanship utilized in the manufacturing process of its agricultural equipment. This LIMITED WARRANTY covers any defects that are incurred during the manufacturing process or any defects that arise from the operation of the equipment under normal use and operation for twelve months after delivery of the equipment to the purchaser.

Granville Equipment's obligations to its customers include repairing or replacing any parts that they deem to be faulty due to the manufacturing process only. The purchaser is responsible for the payment of all other repairs or replacement parts. Granville Equipment is not responsible for belt damage caused by improper adjustment.

Under this LIMITED WARRANTY Granville Equipment is not liable for any damages caused by the mistreatment or neglect of its agricultural equipment by the purchaser. The agricultural equipment should only be operated in a manner that is recommended by Granville Equipment.

Only work that is completed by a Granville Equipment employee or dealer is warranted. Any outside work done to the equipment does not fall under this warranty and Granville Equipment is not liable for any damages that result from outside work on the agricultural equipment.

Granville Equipment certifies that its agricultural equipment meets all federal and state regulations that exist during the time that the equipment is manufactured.

The forgoing warranty shall be the sole and exclusive liability of Granville Equipment, and is in lieu of all other warranties expressed, implied, or statutory, including but not limited to, any implied warranty of merchantability or fitness of purpose or use.

SAFETY PRECAUTIONS

It is the owner's responsibility along with all and anyone operating this equipment to read and understand this manual before initial startup each season and before performing service or maintenance work and prior to end of season storage.

It is important to understand the operational methods and safety issues covered in this manual. However, Granville Equipment, cannot anticipate all conceivable ways service and operational functions may be performed, or the possible hazardous consequences of each. Anyone using and/or servicing the "Bacca" Baler must first be satisfied that their chosen methods do not jeopardize their safety, the safety of others, or damage the equipment.

GENERAL PRECAUTIONS

-**Make sure** everyone is clear of all moving parts of this equipment before startup is initiated.

-**Keep** hands, feet, hair, and clothing away from all moving parts while equipment is in operation.

-**Never** operate this equipment with any safety guard removed or any safety device disabled.

-**Without exception**, before performing any maintenance, service, setup adjustments and/or any function involving contact with any moving part, stop equipment operation and secure all electrical sources with approved lock-out, tag-out devices to prevent accidental startup

-**To prevent** personal injury and/or damage to equipment, make sure all personnel operating and/or maintaining this equipment understand its mode of operation and carry out all functions using safe common sense practices.

-**Never** leave equipment unattended while in operation

-**Make sure** to pay attention to and follow the instructions of all safety decals located on the baler.

"BACCA" BALER

SET UP & OPERATIONS

ELECTRICAL

Have a qualified Electrician to supply the correct voltage to the main Hydraulic Unit and Scale System.

OPERATION

Step 1: Turn hydraulic unit and scale on by plugging in to electric power source. **Be sure all personnel are clear of baler.**

Step 2: Pull the right side control valve (black lever labeled "plunger") in a downward motion. This will raise the plunger and swing it to the rear.

Step 3: Open door and insert slip sheet, close door and begin filling chamber with tobacco. **Be sure all personnel are clear of baler.**

Step 4: Push plunger control lever forward and the plunger will swing forward to the upright position. Hold lever forward and the plate will move downward compressing the tobacco.

Step 5: When the plunger plate is extended to the most downward position and compressing is complete, pull the lever and raise the plunger to the fill position and it will automatically swing to the rear.

Step 6: Fill position is when the plunger is open. Repeat filling and plunging steps until baler has reached desired weight.

INSERTING & CONNECTING WIRES

Step 1: When the desired weight is reached, leave the plunger in down position.

Step 2: Open the door. Insert wires through appropriate channels in the floor.

Step 3: Run the wires under the plunger (4 x 4 cross tube between 2 x 3 rectangular tube).

Step 4: Tie the wire on front side of baler.

SCALE MONITOR CALIBRATION FOR TRANSCELL MODEL

Step 1: Unplug scale and remove the two small bolts on the 1x1 inch cover plate on the back panel of the scale monitor. Then flip the switch to the opposite position.

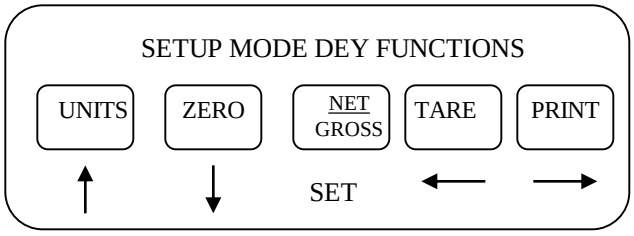
Step 2: Re-plug the scale monitor and F1 will appear on the monitor screen. This is the setup mode. You should then follow the steps in the Scale Monitor Setup / Operation Manual. See the figure below for instructions directly out of the Scale Monitor Manual on Page 6-1 and 6-2. (You can also refer to page 19 for a wiring schematic of the scale system.)

6.2 ZERO CALIBRATION (F16)

1. While in the Setup mode, scroll to "**F 16**", then scroll down once using the ZERO key to enter zero calibration menu. The display will momentarily show "**C 0**" followed by a value. This value is the internal A/D count and can prove useful when trying to troubleshoot setup problems.
2. After making sure that there are no test weights on the platform, press the ZERO key again to zero out the displayed value.
3. Press the NET/GROSS key to save the zero point value. The display will show "**EndC0**" momentarily, then revert back up to F16. At this time, proceed to the F17 span calibration to complete indicator calibration

6.3 SPAN CALIBRATION (F17)

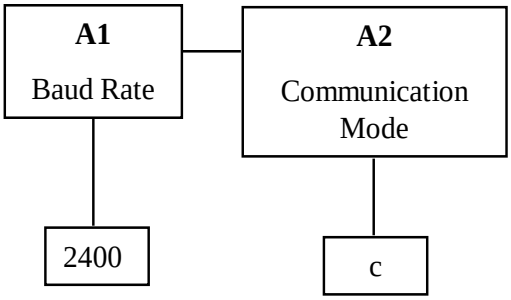
1. While in Setup mode, scroll to "**F 17**", then scroll down once using the ZERO key to enter span calibration menu
2. The display will momentarily show "**C 1**" for the span calibration, followed by a value with one flashing digit. This value will be zero with the Decimal Point parameter selected in F10. Place the test weight on the weighing mechanism.
3. Use the four direction keys (shown in Figure 6-1 below) to adjust the displayed value to the actual test weight value. Increase the flashing digit by pressing the UNITS key. Decrease the flashing digit by pressing the ZERO key. Pressing the PRINT key or the TARE key will change the position of the flashing digit.
4. After setting the exact value, press the NET/GROSS key to save the value.
5. If the calibration was successful, the display will show "**EndC1**" momentarily, then revert back up to F17.



SCALE MONITOR CALIBRATION FOR CNCELL SCALE

STEP	NAME	DISPLAY	OPERATION
1	Zero Calibration (**F15**)	XXXXX	Display internal codes at zero, press the [**SET**] key to memory the zero calibration value after the scale is stable and empty. Then return to F16 waiting for Span Calibration.
2	Span Calibration	XXXXX	Display original weight value, you can enter new value using [←] and [→] keys, return to F16 after pressing the [**SET**] key when the weight is equal with the displaying value and the scale is stable. The indicator will display the correct value by pressing the [↓] key, please re-calibrate if it is not correct, it will return to F16 automatically after calibrating successfully, it will also display the error code if not success and return to F16 after 3 seconds, please re-calibrate after checking.

For Cncell on Leaf Loader:



LOAD CELL TROUBLESHOOTING

First, check to make sure rails and load cells are clear of any debris and rails are floating freely on load cells. The arrows on the end of each load cell should always be pointing upwards.

At least 90% of all scale failure is due to loose wire connections and/or damaged load cell cords. Please inspect all cables and wires running from load cells to the junction box to scale head before preceding to any further trouble shooting. If scale wire is damaged, it can be cut and spliced together by reconnecting wires according to each matching color.

If the above is not the case and you suspect there is a faulty load cell follow the instructions below:

If weight reading on scale head is fluctuating up and down more than a couple of pounds with a steady load on the scales, and you do not have a loose load cell wiring connection or a cut in wiring, then there could be a faulty load cell. If all wires are checked and that is not an issue then you will need to isolate the faulty load cell. To find the faulty load cell, first disconnect power to your scale head, then disconnect one load cell wire connection from the grey junction box. After reconnecting power to your scales, check to see if the weight reading is steady or still fluctuating. If it is steady then the disconnected load cell is faulty, if it is still fluctuating then one of the other load cells is faulty. Reconnect the disconnected load cell and disconnect another load cell. Continue to check each load cell in this manner until you find the faulty one. Replace the faulty load cell and recalibrate scales if necessary.