

## Model BP333 Plus Manual Tape Dispenser



**BP333 Plus OPERATING MANUAL**

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## **SAFETY PRECAUTIONS**

### ***Must read before servicing equipment.***

- This machine is designed for sealing cartons with water activated tape. Any other use will void all warranties and any responsibility or liability of *Better Packages, Inc.*
- Read all Safety Precautions and Operating Instructions before using the machine.
- Any operator of this machine must be fully trained in the operation and safety.
- Keep the machine away from children and from personnel who are not authorised or adequately instructed in the use of it.

## TECHNICAL DATA

<b>Size:</b>	19 1/2" L x 9 1/2" W x 12 1/2" H
<b>Water Bottle Capacity:</b>	44 oz.
<b>Tape Width:</b>	1 1/2" to 3" Wide
<b>Maximum Roll Size:</b>	Up to 600 ft. of tape Up to 7 3/4" diameter roll
<b>Tape Lengths Dispensed:</b>	Up to 30" in one stroke/repeat pulls provide unlimited lengths
<b>Shipping Weight:</b>	22 lbs.
<b>Brushes:</b>	2
<b>Power Requirements:</b>	None: Manual Dispenser

**All specifications subject to change without notice.**

## UNPACKING

After removing the machine from the carton, check the following items before storing the shipping carton.

1. Brush Tank and 2 Moistening Brushes. These are packed inside the rear of the machine.
2. Plastic Water Bottle. This is packed on the side of the dispenser.
3. The upper tape plate (**see figure #1**). This is held in position by packing material but may have come dislodged in shipping. Remove tape, etc before using machine.



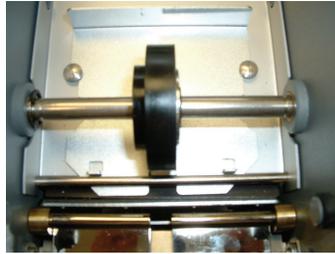
**Figure # 1**

F

## OPERATING INSTRUCTIONS

1. If the upper tape plate has been dislodged in shipping, replace as follow:

With the slot towards the front of the machine, slide under feed wheel shaft from rear until the cut-out portions are over the retaining “buttons”. Allow the plate to slide in place so that the front end of the plate is under the rod and the rear portion is under the “buttons” (See figure # 2).



**Figure # 2**

2. Wash out the moistening brushes in soap or mild detergent and place both brushes into the tank so the angle on the brushes slopes towards the rear of the tank (see figure # 3). Insert the tank into the opening in front of the machine being sure the tank is behind the upward lip on the tank shelf.



**Figure # 3**

3. Fill the bottle with water and place in the bottle holder so that the spout of the bottle is in the tank. Set correct water level.
4. Adjust the roll guides to proper width of tape.
5. Loading the tape: Take the roll of tape and peel off about 18 inches. Place the roll of tape in the basket so that the strip of tape unwinds off the rear of the roll as the leading end is brought towards the front of the machine with the gummed side down. Thread the tape over the black roller at the upper rear and slide leading edge forward under the upper tape plate and feed wheel. Close front and rear cover (see figure # 4A & 4B).



**Figure # 4A & 4B**

## ADJUSTMENTS

### For Tape Width

The adjustable roll guides in the tape basket should be properly set for the width of tape being dispensed. The roll of tape should be centered between the frames by threading the tape loosely between the roll guides which engage in slots in the basket and roll guide separator.

To set the roll guides in position, lift them out of the slots in the basket and tie rod. Slide to the desired position and drop the guides into slots in the bottom of the basket (see **figure # 5**).



**Figure # 5**

### Water Level Adjustment

The amount of water required for proper moistening of different grades of tape will differ. Heavier glues or reinforced tapes will normally require higher levels of water. Water level is controlled by water level adjustment screw located in the projecting portion of the water tank (see **figure # 6**).



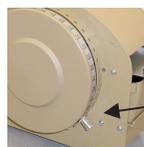
**Figure # 6**

**Water Adjustment Screw**

To raise the water level, turn the screw out in the counter clockwise direction. To decrease the water level, turn the screw in the opposite direction.

### Repeat Length Stop

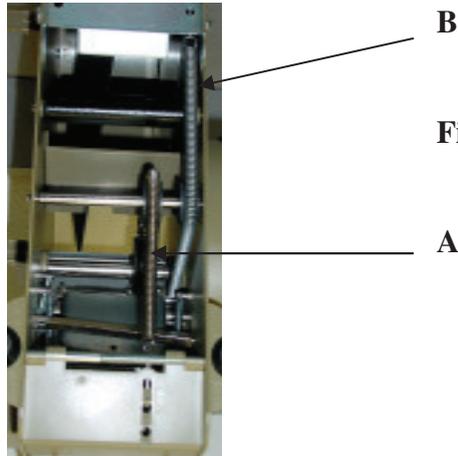
Repeat lengths: The Better Pack® 333 Plus is equipped with a feed stop. To set for desired length, pull outwardly on the feed stop knob until the pin disengages the hole in the drum skirt. Then slide the feed stop assembly until the length desired is set on the scale just above the feed stop assembly. Release the knob, being sure the pin on the feed stop engages with the proper hole in the skirt (see **figure # 7**).



**Figure # 7**  
**Adjustment Knob**

## Spring Tension Adjustment

Both operating springs can be seen by turning the Better Pack® 333 Plus upside down after first removing the water tank and bottle (see figure # 8).



**B**

**Figure # 8**

**A**

- A. The handle return spring (A) is the long spring terminating in a hook type clip positioned in one of three holes underneath the water tank platform. The other end is attached to the hammer-cam on the crankshaft.
- B. The feed wheel tension spring (B) has one end attached to the rocker carrying the shear blade and the opposite end attached to a hook positioned in one of several holes in the basket. Care should be taken not to interchange the two springs. The feed wheel tension spring (B) is the longer of the two springs. It is also made from heavier wire.
- C. Adjustments of the handle spring (A), to increase tension for faster handle return or for cutting extremely short lengths, insert the hook on the spring clip in the second or third hole.
- D. Should it ever become necessary to increase the feed wheel tension to compensate for feed wheel wear, unhook the spring at the basket and move it to the hole nearer the rear of the machine. For lighter tension, move the spring nearer the front of the machine.
- E. Note that both the above springs act together and that increasing tension on the feed wheel tension spring may make necessary additional adjustments of the handle return spring especially if it is desired to cut extremely short lengths of tape.

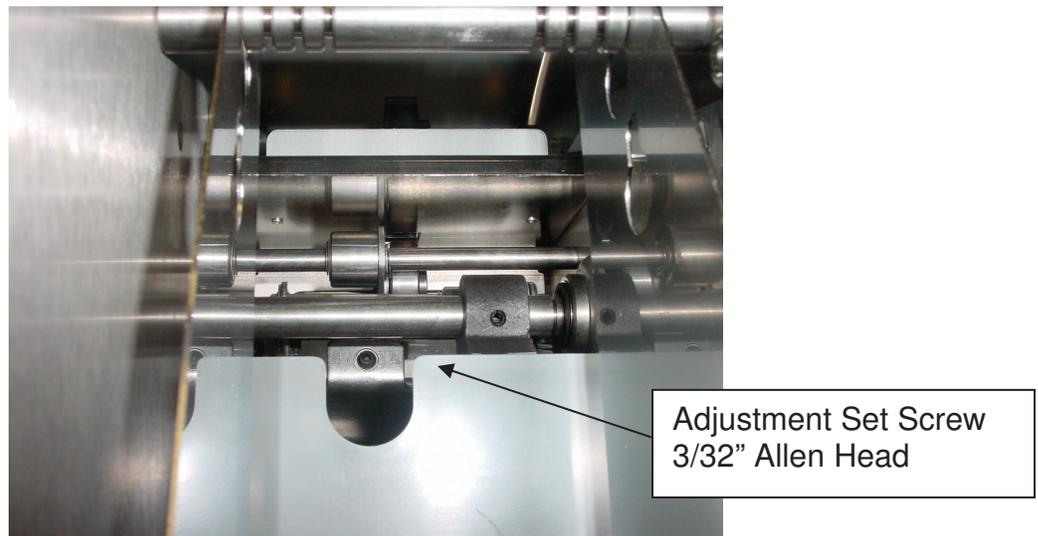
## BP333 Feed Wheel / Blade Height Adjustment

Purpose: This adjustment is to insure that the movable shear blade is raised out of the path of the tape before the feed wheels grip the tape to feed it forward. Additionally, the adjustment sets the gripping force between the upper and lower feed wheels so the tape does not slip. If the feed wheel slips on the tape, a shorter than normal piece of tape is produced.

**Tools needed:** 3/32" Hex Screw Driver or Allen Wrench

### Procedure

1. Open the rear cover, remove the roll of tape and locate the adjustment set screw. The set screw is located on the cutter yoke inside the machine. See picture below.



**Inside view of BP333**

2. Insert a **3/32" Allen wrench** through the U-shaped access hole in the in the (Vertical Tie Plate) at the front of the tape basket area and into the adjustment set screw.

**3a. If tape hits blade, turn the set screw counter-clockwise ½ turn to raise the blade.**

*Note: The first indication of tape hitting the blade is a bent corner at the left side of the leading edge of the tape.*

**3b. If tape slips at feed wheel and does not feed properly, turn the set screw clockwise ½ turn.**

4. Place the roll of tape back and dispense a piece of tape, repeat steps 1-3 if tape hits the blade or slips.

## Crank Handle

If desired, the crank handle can be reversed.

## Pressure Plate Weights (see figure # 10)

The pressure plate, which rests on top of the brushes, has removable weights. The number of weights can be varied to suit the tape being dispensed. Heavy weight tapes require more weight inserts than lighter tapes. The suggested number of weights is as follows:

35 lb. kraft tape:	0 to 1 slug
60 lb. kraft tape:	1 to 2 slugs
Reinforced tape:	2 to 3 slugs

The weights can be added or removed by pushing them in or out from each side. If the machine consistently jams, there is too much weight on the pressure plate and some should be removed.



Figure # 10

Weights

## To Clean Blade

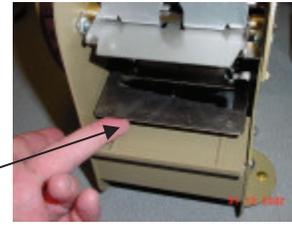
Where reinforced tapes are used, it may be necessary to clean accumulation of laminate from the cutting blade from time to time. To clean the blade, follow these simple steps:

- Remove water bottle and water tank assemblies.
- Depress rocker stop rod protruding from the right side of the machine with right hand and keep it in this position until the blade (blade assembly) has been released (**see figure # 11**).
- Reach inside the machine where tank was removed, pull knife assembly down and swing out to cleaning position (**see figure # 12**).
- To clean blade, wipe off with suitable solvent. **DO NOT SCRAPE WITH HARD OBJECTS as resulting scratches will quickly accumulate adhesive.** When adhesive is removed, wipe with lightly oiled cloth.
- Re-insert the blade to cutting position by depressing rocker rod. Tip the blade up into cutting position and push upward so the blade will come between the stationary blade rollers. Release rocker stop rod.
- Try feeding and cutting tape to check if parts are in proper position.
- Install tank and water bottle.



**Figure # 11**   **Figure # 12**

**Rocker Stop**   **Knife Assy**



## **Maintenance**

The best way to secure long and carefree service from your Better Pack® 333 Plus is to KEEP IT CLEAN. Tape dust, adhesive accumulation and other foreign matters are harmful as they get into the working parts of the machine. Likewise, be sure to wash the brushes out thoroughly at least once a week to insure perfect moistening, being careful to replace them with the lower bevel to the back of the machine.

Rotating parts of the Better Pack® 333 Plus are equipped with the finest oil-less bearings and require no lubrication. However, all other working parts should occasionally receive a few drops of oil. The gear mechanism (underneath the gear cover on the left side of machine) is packed in Gredag #53 Grease and will not require lubrication more than once or twice a year.