OPERATIONS MANUAL

MODEL TAL-3100C

CONTINUOUS DUTY

TAMP- LABELER

TAKE-A-LABEL®
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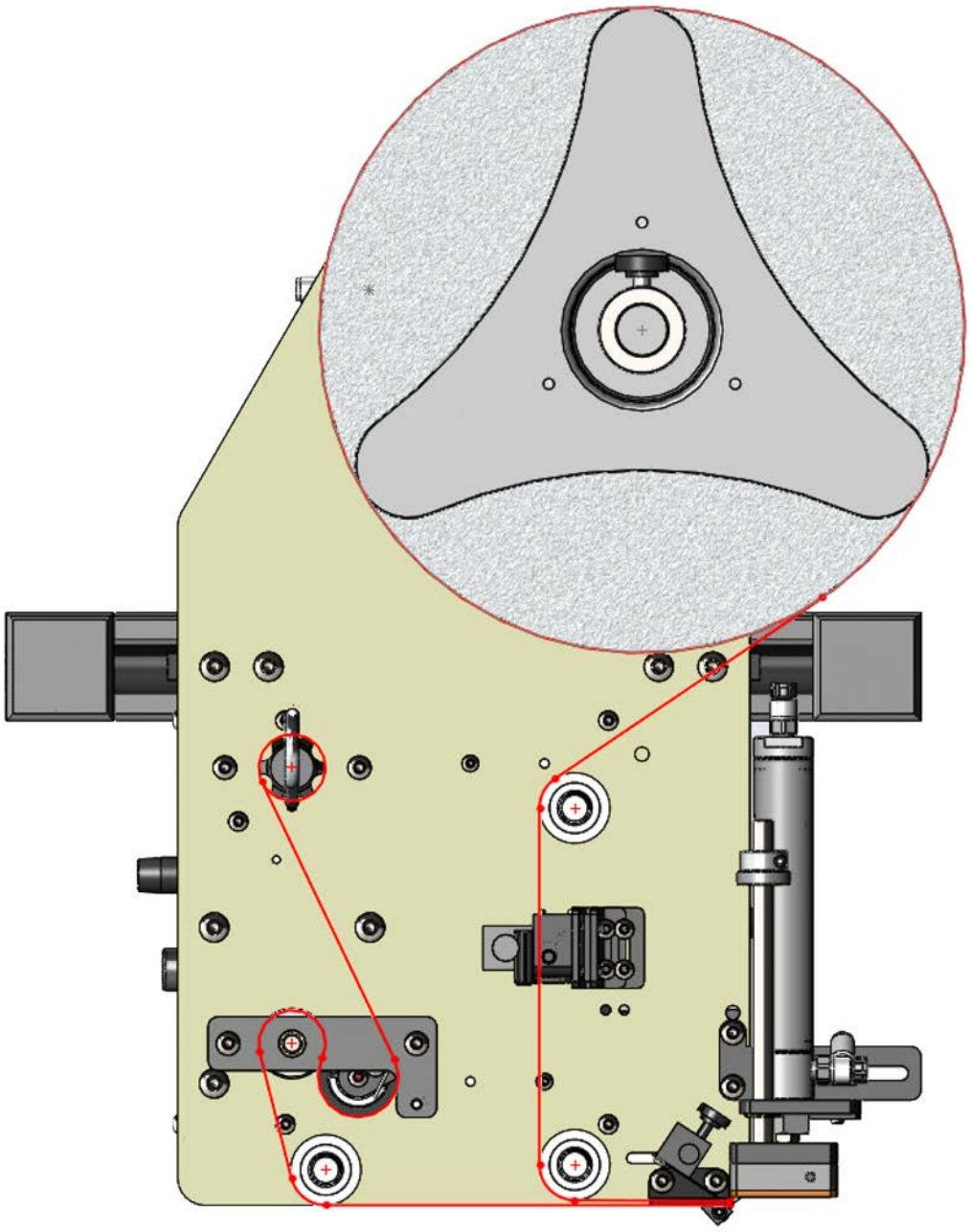
TAL
TAKE-A-LABEL



3100C Tamp Labeler

Introduction

Section #1

General

Thank you for purchasing the TAL-3100C continuous duty tamp labeler. The TAL-3100C system is known for its high quality and operating simplicity. With proper maintenance it will provide years of dependable and trouble free service.

Our equipment is manufactured to the strictest standard and is thoroughly tested before being released into the field. However, sometimes a problem may arise that is not covered by the scope of this manual. If a situation as such occurs, further technical support is just a phone call away.

Power Requirements: 110 VAC 15 Amps 60 Hz, Grounded

Pneumatic Requirements: *60 PSIG Clean Dry Air*

System Weight: 55 LBS.

Unit Dimensions: 15 1/2”w x 20”h

Maximum Roll Size: 12" converted on a standard 3" diameter core.

Accuracy: +/- 1/16

System Operation

Section #2

Machine Startup

1. Unpack TAL-3100C tamp labeler system from the shipping container.

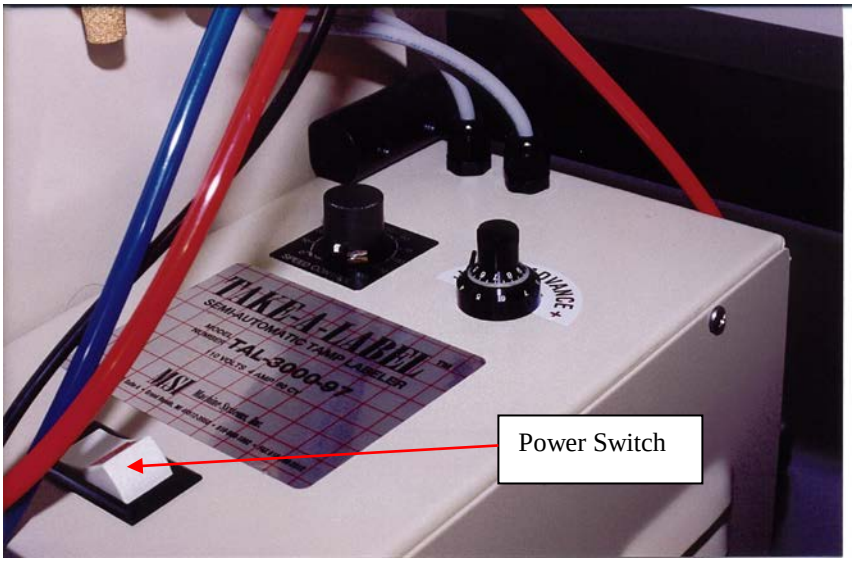
2. Inspect the labeler for damage during shipping. If damage is observed, please notify TAL before continuing.

3. Place the labeler on a firm level surface.

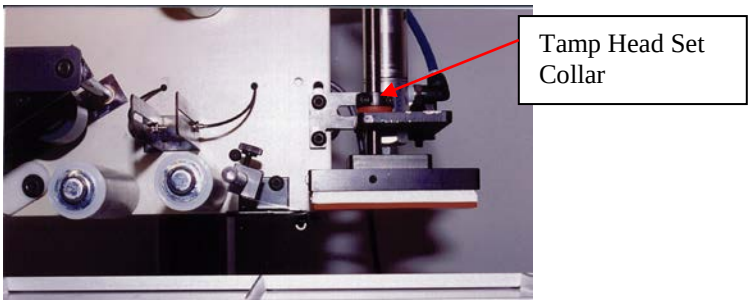
4. Plug the labeler into a 110 VAC 15 AMP (GROUNDED) Outlet. Note: Extension cords may result in improper labeler operation, and are not recommend by TAL.

5. Connect the labeler to a sufficient air supply. Note: air requirements are 60 PSIG clean dry air, although your label may not require that much air.

Machine Startup

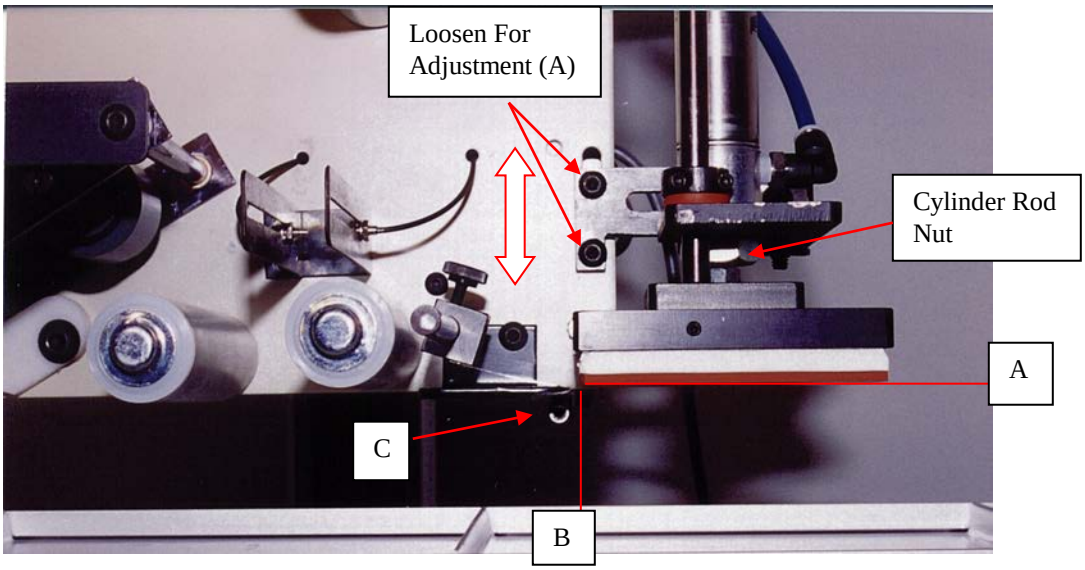


7. Turn power switch (located on top of machine) on.
8. Check label setup by moving something between reflector and the front of the product photo eye to advance one label.



9. Set the tamp stroke by placing the product under the tamp pad. Disconnect the air supply and move the tamp pad to the product to be labeled. Loosen the tamp head set collar so it limits the stroke of the tamp head, tighten collar and reconnect air supply.

Tamp Pad Adjustment

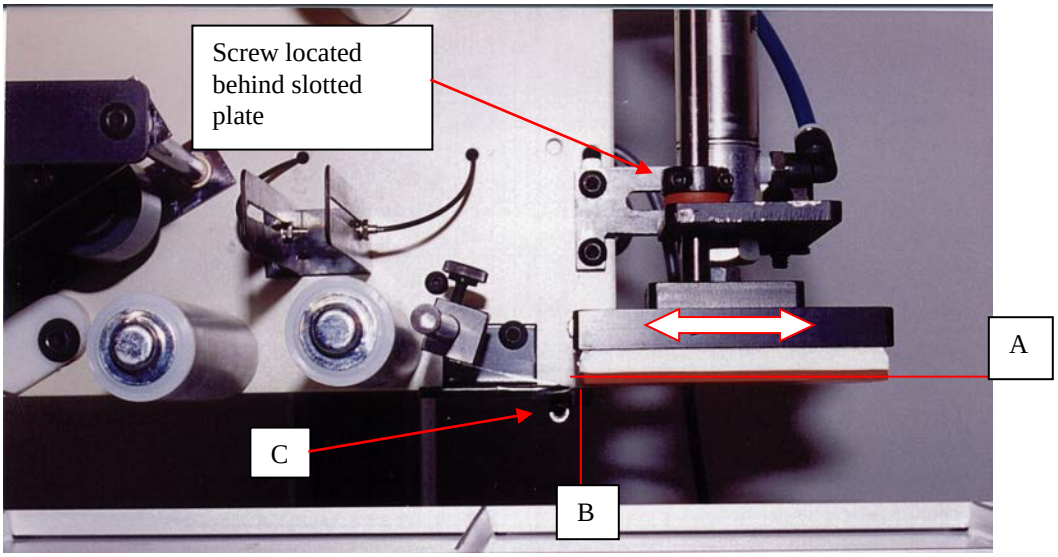


Adjustment of (A):

The height of the peel plate and the tamp pad will vary with different labels but, for a place to start is to have the peel plate and the tamp pad to be even. You can move it up or down from there. Watch the label move between the peel plate and the tamp pad, if the label has to go up for the transfer of the label to the tamp pad, move the pad down. If the label runs into the tamp pad you must move the tamp up. You can make fine adjustment of the tamp by loosening the cylinder rod nut and turning the cylinder rod *(Don't unthread the rod too much or you could damage the thread when you run your labeler in production)*.

Note: You want the tamp pad to be as low as possible without hitting the tamp pad.

Tamp Pad Adjustment

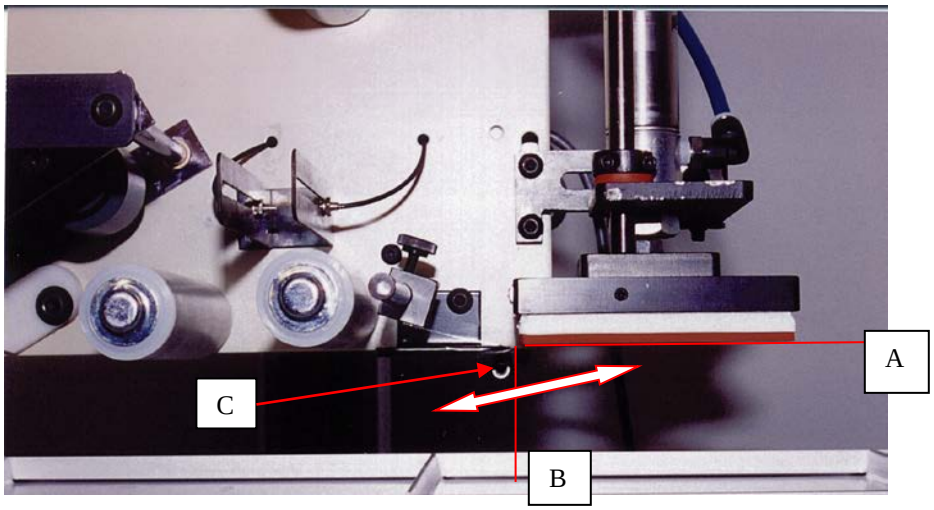


Adjustment of (B):

The distance between the tamp pad and the peel plate should be as close as possible without hitting the peel plate when the tamp head travels down. To adjust the distance, loosen the two screws located behind the slotted plate.

Note: The tamp pad must be level to your product when you are done adjusting the tamp pad in both A and B adjustments.

Tamp Pad Adjustment



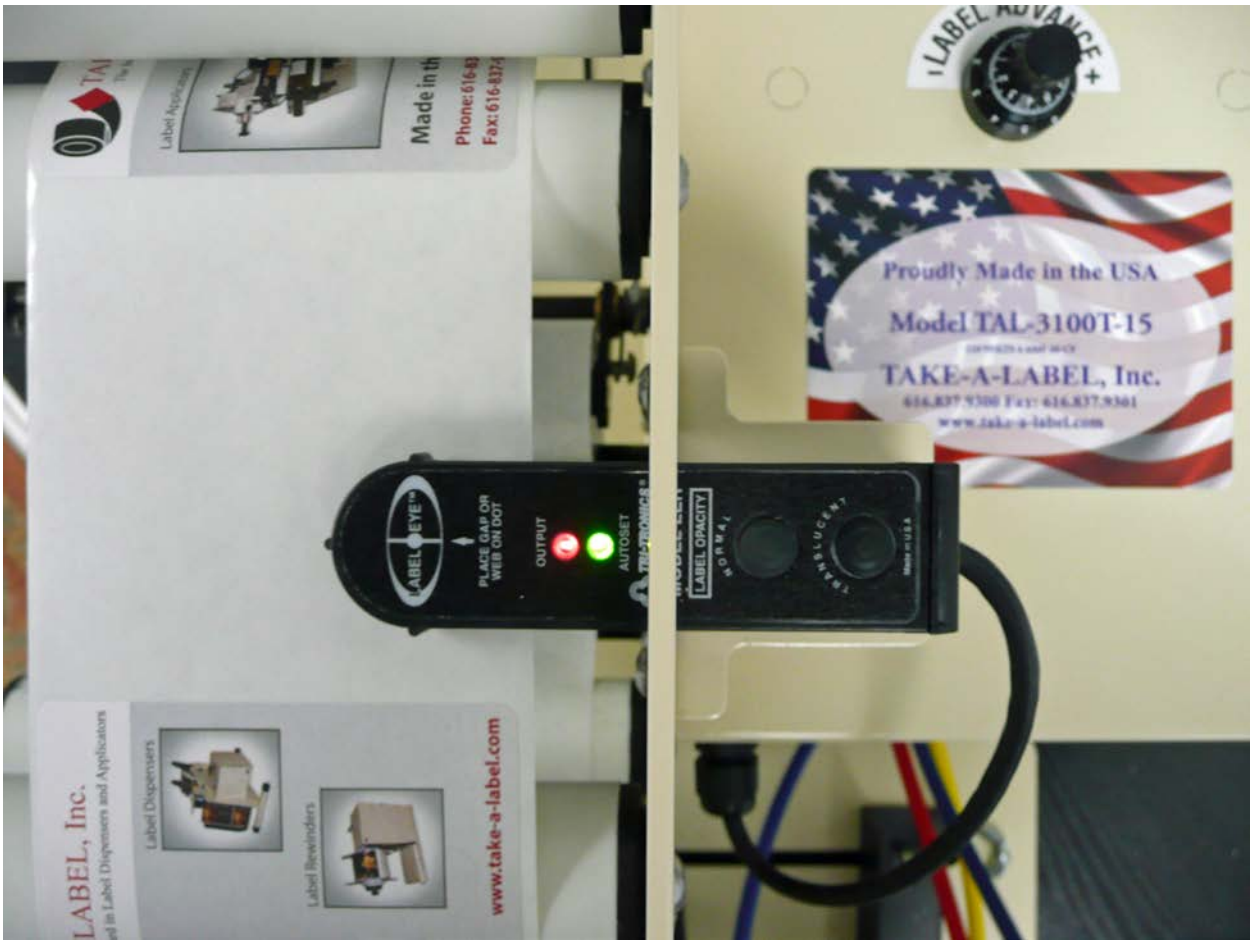
Adjustment of (C):

The air assist tube can be adjusted in two ways, rotation and air flow.
Rotation: On the far side of the tube there is a clamp, loosen the screw and you can rotate the tube. It should be rotated about to the center of the tamp head. If the rotation is not adjusted the air will get under the label and it will fly off the tamp pad.

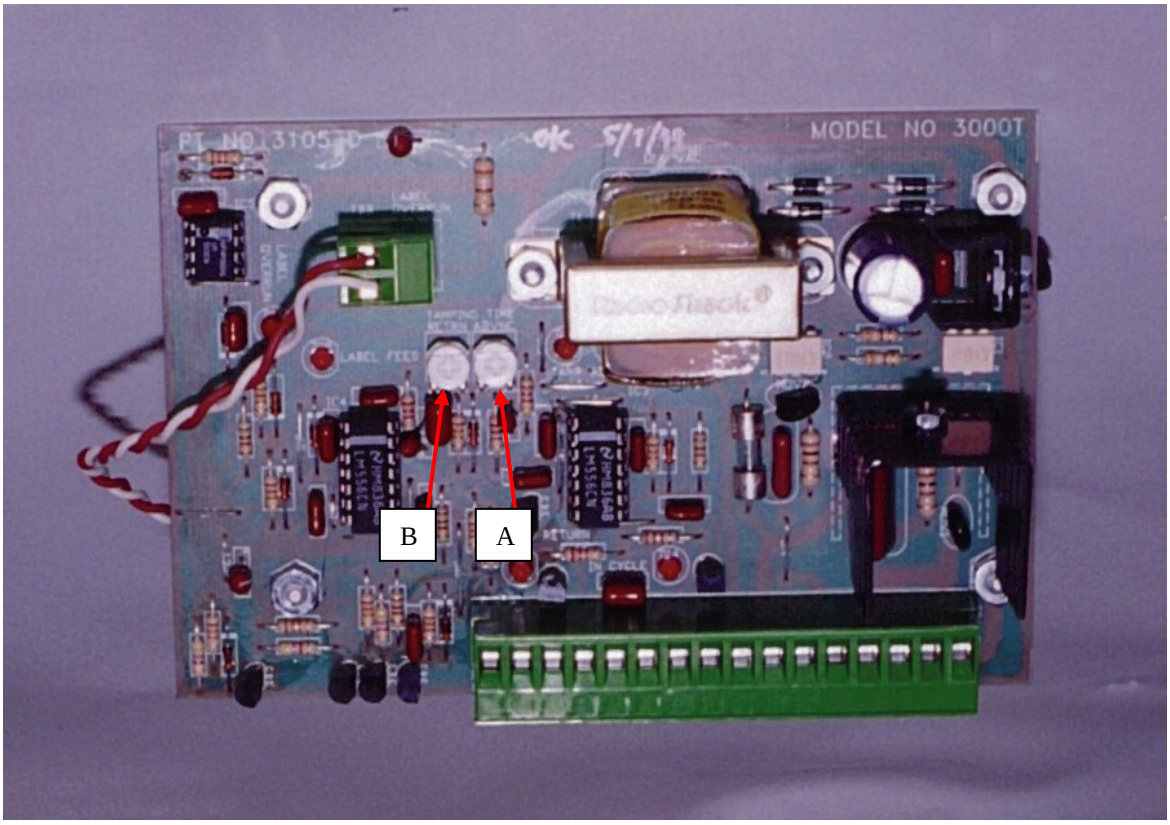
Air Flow: The air flow should be adjusted so that the label lifts to the tamp pad as the label is being dispensed. If you have too much air from the air assist tube the label will not transfer to the tamp pad smoothly and could fly off the tamp pad all together.

Photo Eye Adjustment

1. It is recommended that you teach the photo eye with every new roll of labels used.
2. Remove one label from the webbing and place the webbing only in the photo eye.
3. Press and hold the “Normal” button on photo eye for 3 seconds. When the lights finish flashing the photo eye is taught.



Tamp Head Dwell Time



Adjusting Dwell Time:

1. Turn the labeler off; unplug the power cord from power source.
2. Remove the electric cover by removing the screws.
3. Locate the potentiometer (A & B) located on the electrical board. Potentiometer (A) determines the time for the tamp head to advance out, (B) determines the time for the tamp head to return back.
4. Clockwise makes the time longer; counter clockwise makes the time shorter.

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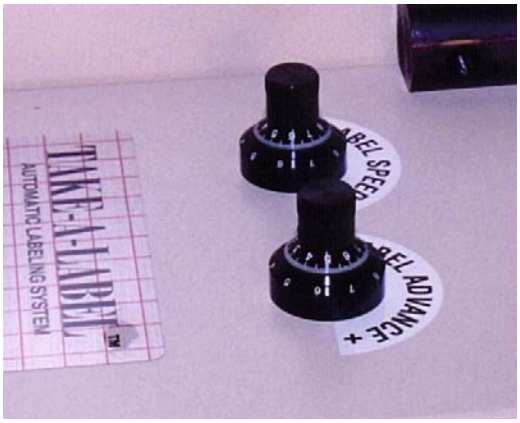
Label Position



Label Advance Position:

Before being dispensed, each label should advance close to the edge of the peel plate, but should not come off the peel plate. Adjust the label advance as follows:

1. Unlock the LABEL ADVANCE +/- dial. The dial is located on top of the labeler's control unit.
2. Dispense a single label.
3. Observe if the dispensed label came all the way off the peel plate, and note the position of the next label still on the peel plate.
4. Turn the LABEL ADVANCE +/- dial in small amounts to adjust the label advance position.
   - If the dispensed label does not come off the label web, turn the dial to the right (towards the + for longer advance distance).
   - If the next label on the peel plate hangs over the peel plate edge, turn the dial to the left (towards the – for shorter advance distance).
   - If the label is not close enough to the peel plate edge, turn the dial to the right (towards the + for longer advance distance).
   - If the dispensed label comes off the label web and the next label is close to the peel plate edge, the advance distance is correct. No adjustment is necessary.
5. Repeat steps 2 through 4 until the label advances to the correct position.
6. Lock the LABEL ADVANCE dial into position.

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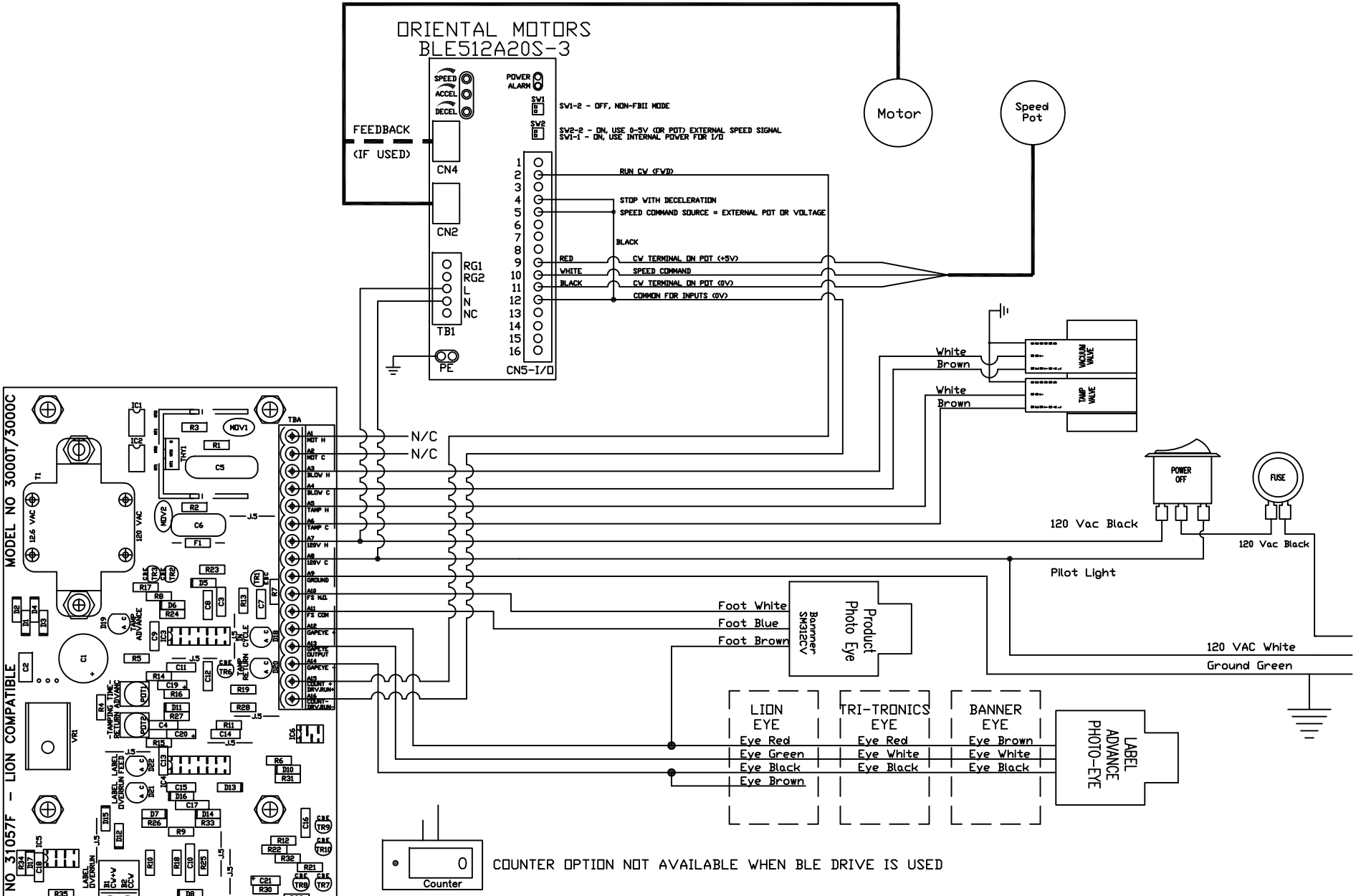
Recommended
Spare Parts List TAL-3100C

Qty.	Description	Part #
1	Pinch Roller	31002
1	Waist wind Clip	45131
2	Unwind Disc	45136
1	Motor	30031
1	Photo Cell Label Sensor	30106
2	Drive “V” Belt	31267
1	Circuit Board	31057
1	Unwind Felt Pad	72618
1	Main Fuse	45157
1	Peel Edge Cover	31375
2	Left Hand Torsion Spring	21027
2	Right Hand Torsion Spring	21028

Depending on frequency of use and importance of the machine function, this list may need to be modified to include more of each part to prevent any down time.



DATE: 9/10/14	TAL TAKE-A-LABEL				
DRAWN BY: RJS	3631 44th Street • SUITE C • GRAND RAPIDS, MI 49512				
APPROVED BY:	TITLE: 3100C – PCB 31057F with BLE512A20S-3 Drive				
Mat.	SCALE	SIZE	DRAWING FILE NAME	DWG. NO.	REV.
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