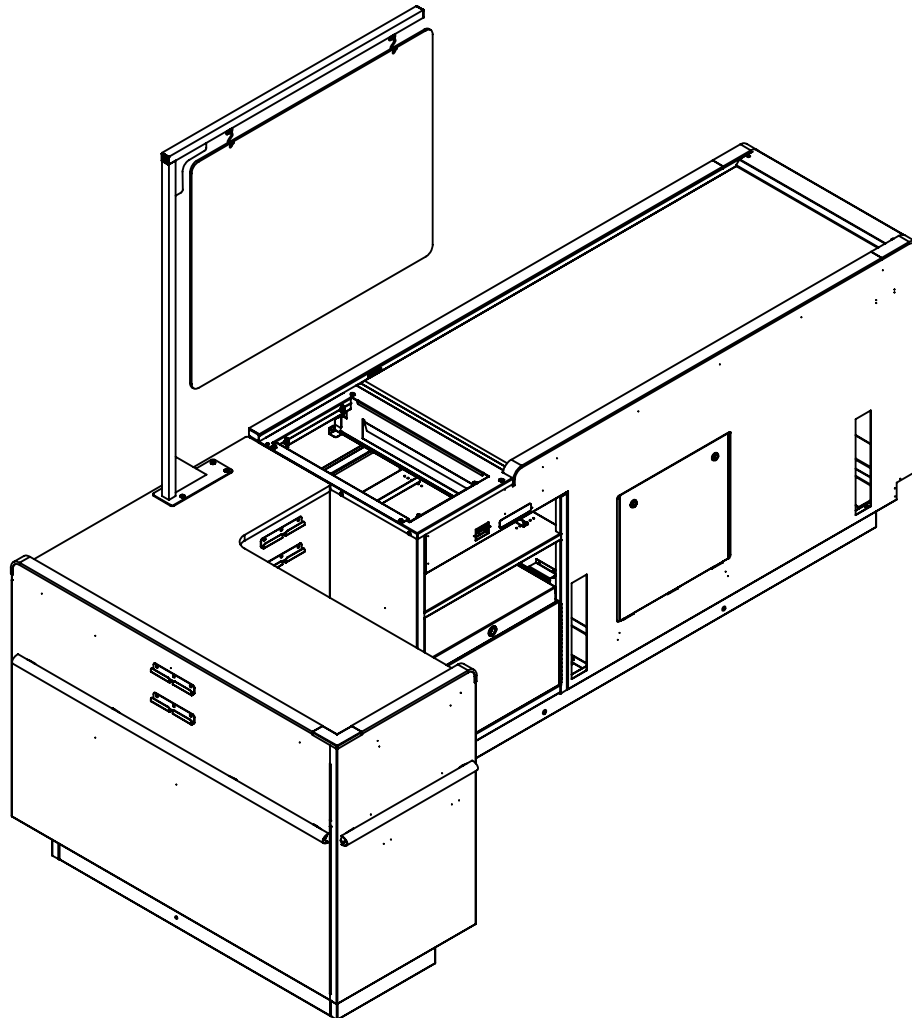


# DOLLAR TREE MANUAL



**LYONS STORE FIXTURES, LLC.**

11301 Electron Drive

Louisville, KY 40299

*Phone Number: 1-866-478-2372*

Important - Product Liability Information  
Read All Instructions Before Proceeding With Installation.  
Vital Product Information Pertaining To Proper Set-Up,  
Installation, Operations And Cautions Are Included.  
Failure To Follow These Instructions May Result In  
Personal Injury Or Property Damage.  
Please Retain This Manual For Future Reference

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# LYONS STORE FIXTURES, LLC

## Warranty

- a. Company warrants to the original purchaser of Equipment that for the Warranty Period (as defined below), the Equipment will be free from material defects in materials and workmanship at the time of shipment. The foregoing warranty is subject to the proper installation, operation and maintenance of the Equipment in accordance with installation instructions and the operating manual supplied to Customer. Warranty claims must be made by Customer in writing immediately at the time of the manifestation of a problem. Company's sole obligation under the foregoing warranty is, at Company's option, to repair, replace or correct any such defect that was present at the time of delivery, or to remove the Equipment and to refund the purchase price to Customer.
- b. The "Warranty Period" begins on the date the Equipment is delivered and continues for one year on parts and labor and extended warranty on motors for an additional four (4) years. Electronic Modules will also continue for two (2) additional years.  
  
Additional warranty on parts does not include the freight for the part to be received or returned for warranty credit.
- c. Shipping and installation costs shall be incurred by the customer.
- d. Any repairs under this warranty must be conducted by an authorized Company service representative.
- e. Excluded from the warranty are problems due to accidents, misuse, misapplication, installation, storage damage, negligence, or modification to the Equipment or its components.
- f. Products covered by this warranty were used only in conjunction with Lyons Store Fixture approved parts.
- g. Company does not authorize any person or party to assume or create for it any other obligation or liability in connection with the Equipment except as set forth herein.
- h. THE WARRANTY ABOVE IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**Nondisclosure:** By virtue of this Agreement, Customer may have access to information that is confidential to Company ("Confidential Information"). Confidential Information shall include, but not be limited to, the terms and pricing, the technical and other specifications for the Equipment and all information clearly identified as confidential. Confidential Information shall not include information that: (a) is or becomes a part of the public domain through no act or omission of Customer; (b) was in the Customer's lawful possession prior to the disclosure and had not been obtained by Customer either directly or indirectly from the disclosing party; (c) is lawfully disclosed to the Customer by a third party without restriction on disclosure; or (d) is independently developed by Customer. Customer agrees to hold Confidential Information in confidence during the term of this Agreement and for a period of five years after termination of this Agreement. Customer agrees; that unless required by law, it shall not make Confidential Information available in any form to any third party or to use Confidential Information for any purpose other than the implementation of this Agreement. Customer agrees to take all reasonable steps to ensure that Confidential Information is not disclosed or distributed by its employees, representatives or agents in violation of the terms of this Agreement.

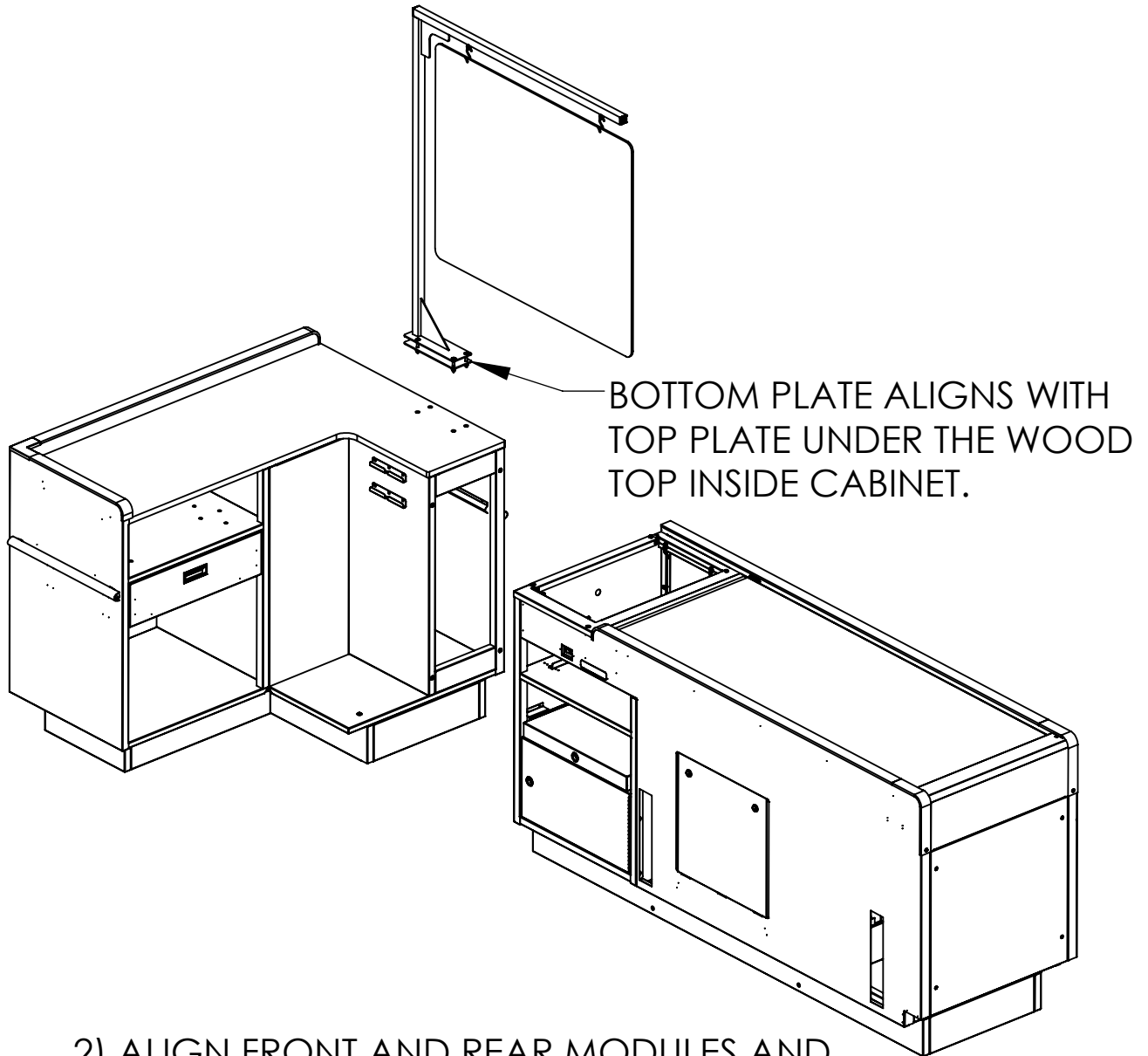
**Limitation of Liability:** IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, OR USE INCURRED BY CUSTOMER OR ANY THIRD PARTY, WHETHER IN AN ACTION IN CONTRACT, OR TORT, OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. COMPANY'S LIABILITY FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE DEFECTIVE EQUIPMENT. THE PROVISIONS OF THIS AGREEMENT ALLOCATE THE RISKS BETWEEN COMPANY AND CUSTOMER. COMPANY'S PRICING REFLECTS THIS ALLOCATION OF RISK AND BUT FOR THIS ALLOCATION AND LIMITATION OF LIABILITY, COMPANY WOULD NOT HAVE ENTERED INTO THIS AGREEMENT.

# INSTALLATION INSTRUCTIONS

- 1. Review packing list against the order and the material received. Check all cartons for freight damage. Any which show damage must be noted on the Bill Of Lading before signing. Request damage claim with carrier. If any damage is concealed, save packing material and request an on-site carrier inspection and claim.**
- 2. Set Conveyor in place. Level the belt using shims under the conveyor base.**
- 3. Have a qualified electrician connect clean and dirty power to junction boxes inside conveyor cabinet (see wire diagram, page 7).**
- 4. When the set-up is complete, the belt alignment/tracking must be checked.  
See page 6.**
- 6. After the entire lane is in place, it must be secured to the floor by using clear silicone caulk.**
- 7. Install scanner.**

# INSTALLATION INSTRUCTIONS

- 1) PLACE SHIELD MOUNTING PLATE ON WOOD TOP, LOOSE BOTTOM PLATE ALIGNS INSIDE CABINET. USE HARDWARE PROVIDED TO FASTEN TO CABINET.

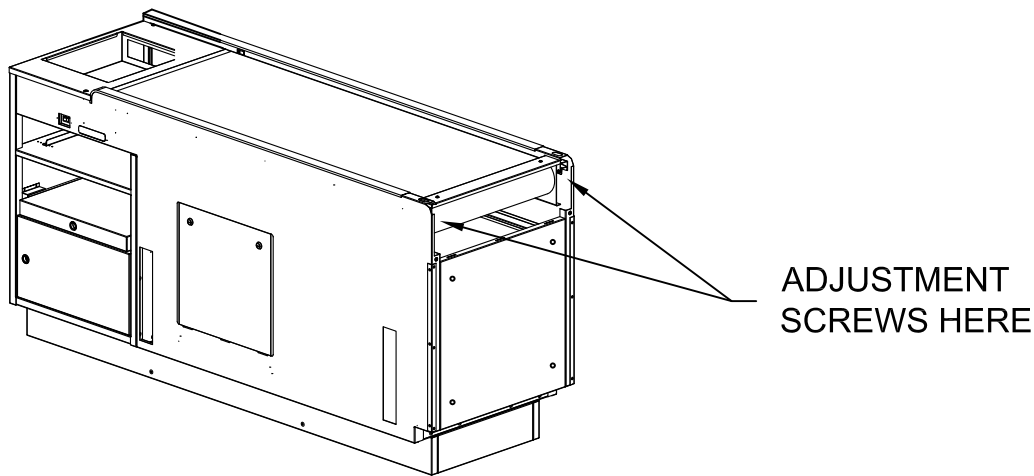
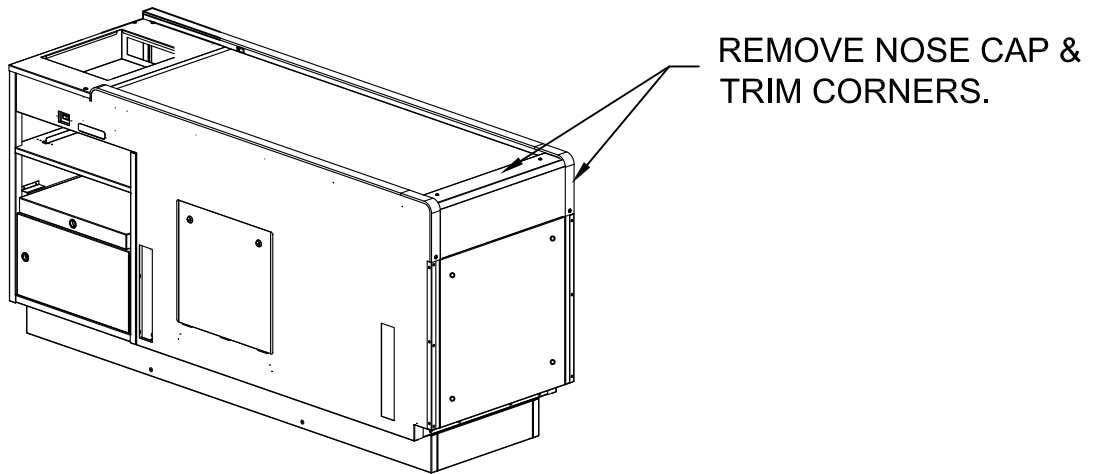


- 2) ALIGN FRONT AND REAR MODULES AND FASTEN TOGETHER USING HARDWARE PROVIDED.

- 3) AFTER UNITS HAVE BEEN FASTENED TOGETHER AND LEVELED, USE SILICONE SEALER TO SECURE TO THE FLOOR.

# INSTALLATION INSTRUCTIONS

## BELT TRACKING



To track the belt, first access the motor controller underneath the belt. Press the small button on the controller (belt tracking) to allow the belt to run continuously for about 10 minutes. This allows the belt to warm up and stretch properly.

If, after running the belt, it still needs to be tracked, then do the following:

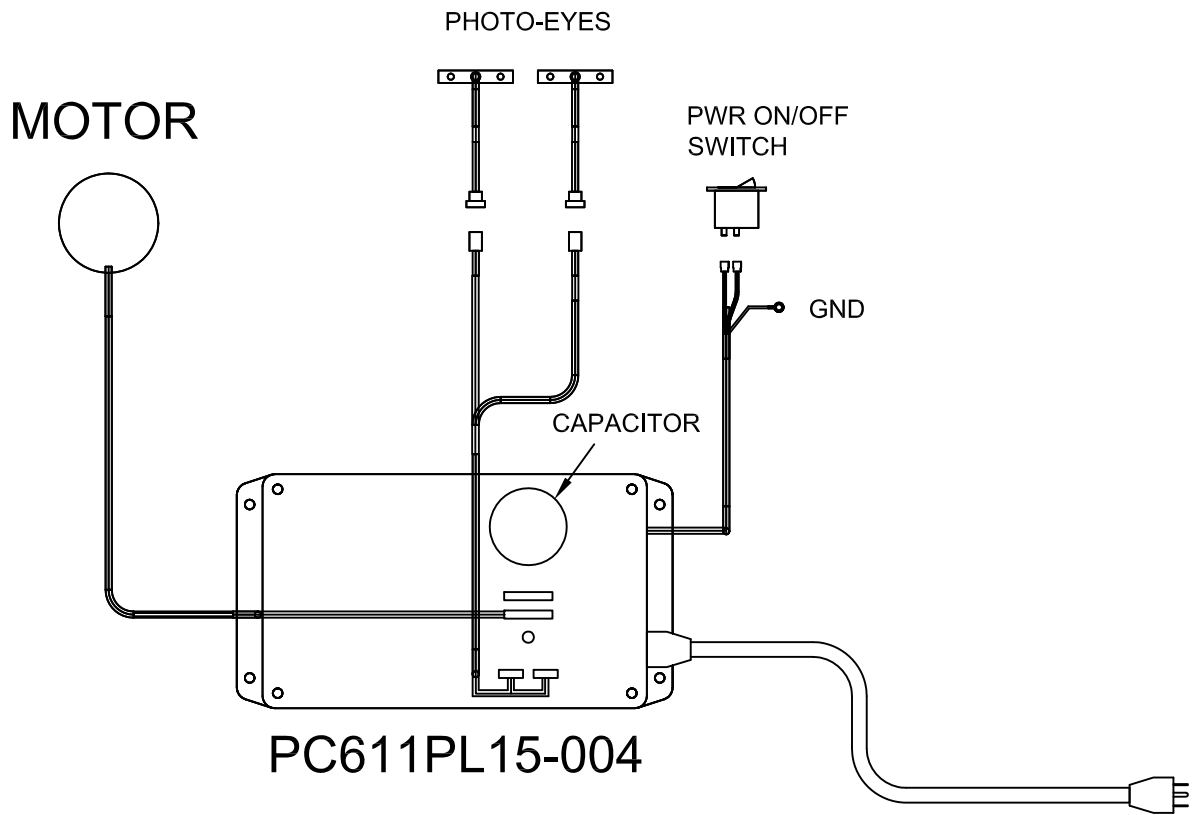
Remove the nose cap & trim corners (at customer entrance) to allow access to the adjustment screws.

Tighten the adjustment screw 1/4 turn on the side that the belt is running toward. Results will not be instant, wait 2-4 revolutions.

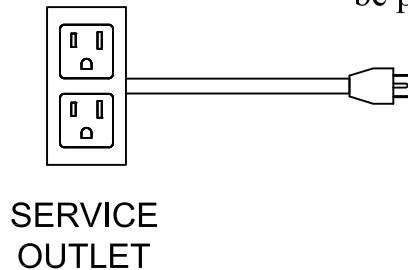
If necessary, adjust another 1/4 turn.

# CHECKSTAND CIRCUIT DIAGRAM

(115V, 60HZ, 12A)



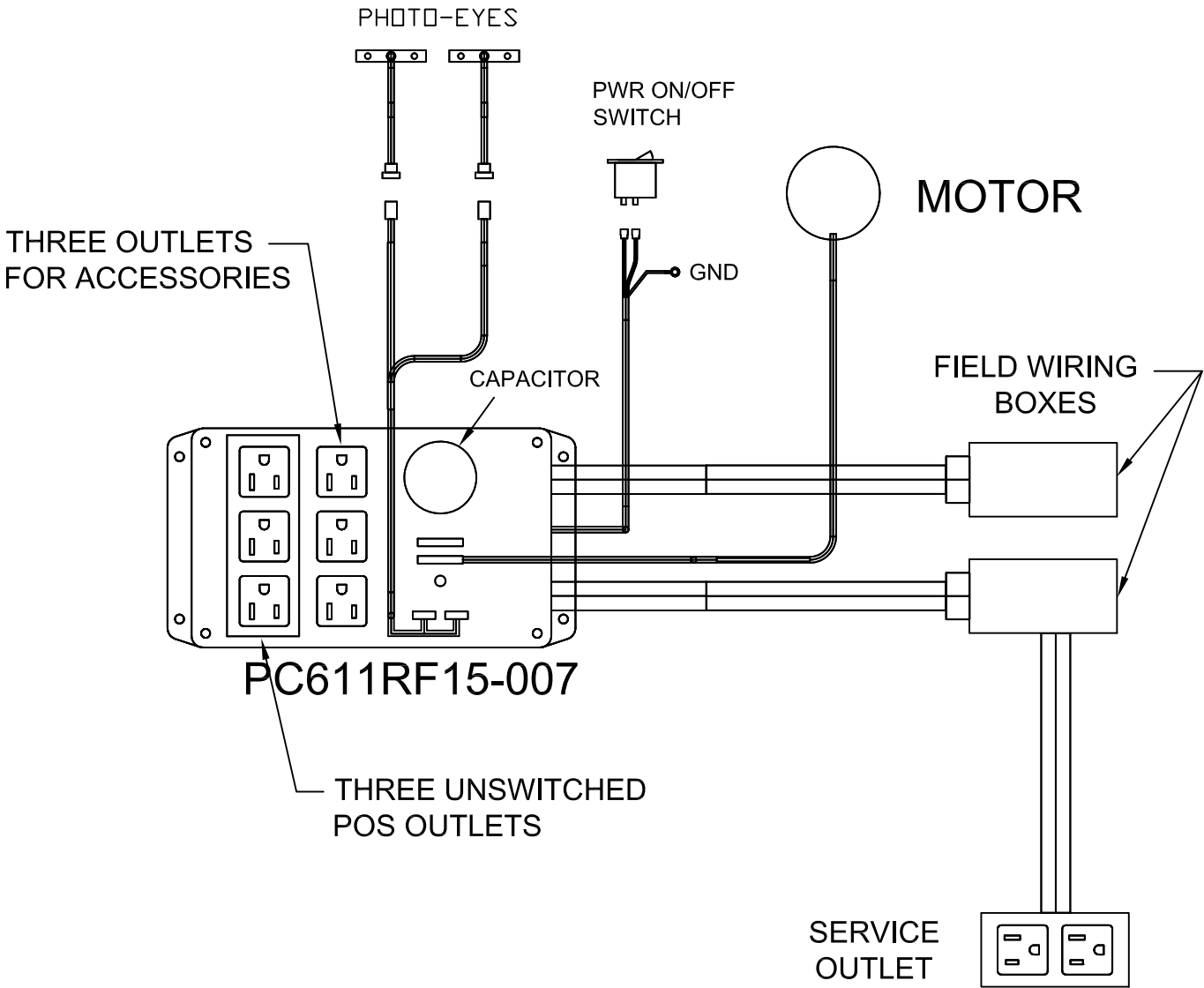
Note: Both belt controller and service outlet must be plugged into power-pole for proper operation.



Electricians - Connect Checkstand to a Minimum 15A Circuit Protected by a Maximum 15A Circuit Breaker.

# CHECKSTAND CIRCUIT DIAGRAM

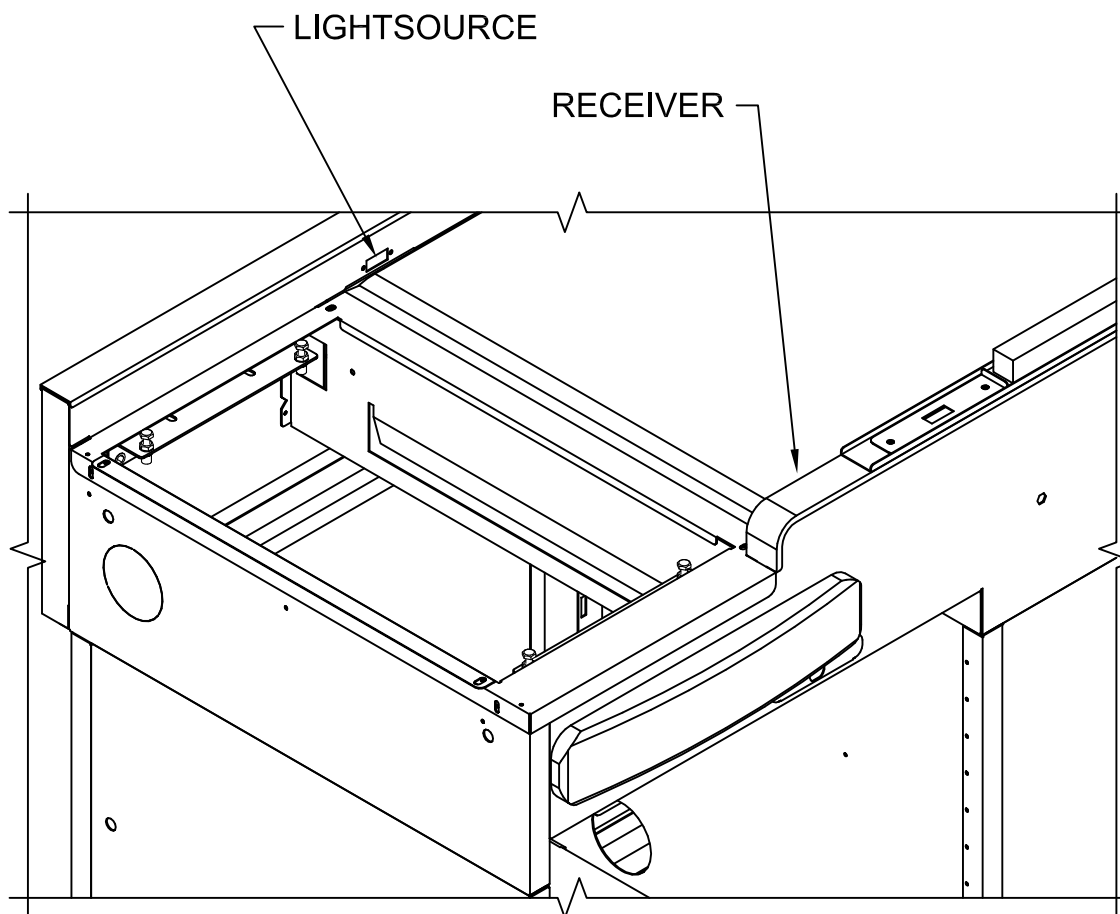
(115V, 60HZ, 12A)



Electricians - Connect Checkstand to a Minimum 15A Circuit Protected by a Maximum 15A Circuit Breaker.



# OPERATION



The Motor Control will stop the conveyor belt from running in 10 to 12 seconds when the light beam remains uninterrupted. Initially, to re-start the conveyor, the checkout clerk breaks the invisible light beam by hand. The products placed on the belt will then travel toward the clerk. When the products arrive near the end of the belt, the light beam will be interrupted and the control will stop the belt. When the product breaking the beam is picked up by the clerk to pass over the UPC scanner, the light beam is reinstated and the control signals the belt to run. When the next product breaks the light beam, the control once again signals the belt to stop. Remember when the light beam remains uninterrupted for over 10 to 12 seconds; the automatic shut-off feature will stop the belt from running.

# CLEANING

## 1. Cleaning of Unit:

- \* Wipe clean with damp cloth daily.
- \* Never use a stiff brush, steel wool, metal scraper or any other item that could harm the finish.

## 2. Stainless Steel:

- \* All Stainless Steel components may be cleaned with a window cleaner containing ammonia, mild soap and water followed by a rinse and wipe dry.
- \* Always wipe in the direction of the grain.

## 3. Belts:

- \* Belt should be cleaned with mild soap and water with a rinse, but moisture and dampness should be kept to a minimum.

## 4. Photo Eyes:

- \* To be cleaned as needed with a Q-Tip and alcohol

## 5. Belt Motor:

- \* Permanently sealed and no lubrication required

# TROUBLE SHOOTING

## **\*\*WARNING\*\***

**Disconnect Electrical Power and Discharge Motor Capacitor Before Working On Electrical System**

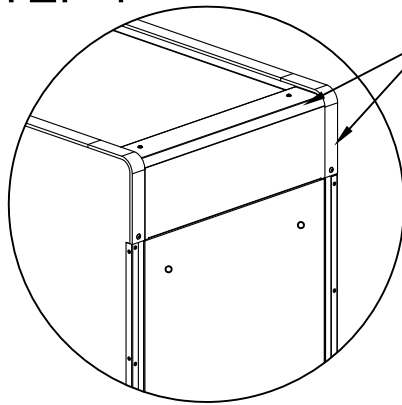
### CHECK PLUG - TWIST AND LOCK

<u>PROBLEM</u>	<u>POSSIBLE CAUSE</u>	<u>SOLUTION</u>
1. Motor will not run.	Electrical power is off.	Replace blown fuse or reset circuit breaker. Turn switch on.
	Loose wire connections.	Check wires and tighten loose connections.
	Defective on/off switch.	Check continuity, replace defective switch.
	Defective motor capacitor.	Check continuity, replace bad motor capacitor.
	Defective motor.	Check continuity, replace bad motor.
2. Motor will not stop.	Defective switch.	Replace switch.
3. Excessive belt wear.	Belt not aligned.	Readjust belt alignment.
	Transport not level.	Adjust transport leveling.
4. Belt is stuck to drum.	Improper maintenance.	Push firmly on belt in the direction of movement while the motor is running.
5. Belt will not move but motor runs.	Belt is too loose.	Readjust belt tension and alignment.
6. Belt running wrong direction.	Wired incorrectly.	Reverse blue & black wires.

# REPLACING BELT

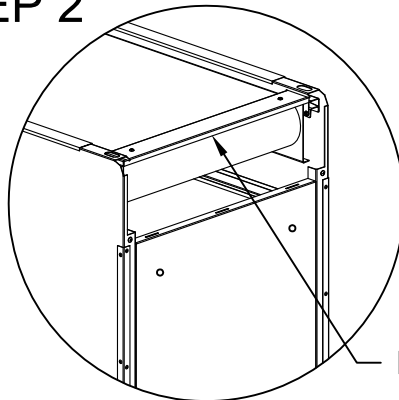
YOU MUST FIRST DISCONNECT BELT MOTOR BEFORE SERVICING MOTOR OR RELATED COMPONENTS. FOLLOW THESE INSTRUCTIONS TO REPLACE BELT, MOTOR OR IDLER.

## STEP 1



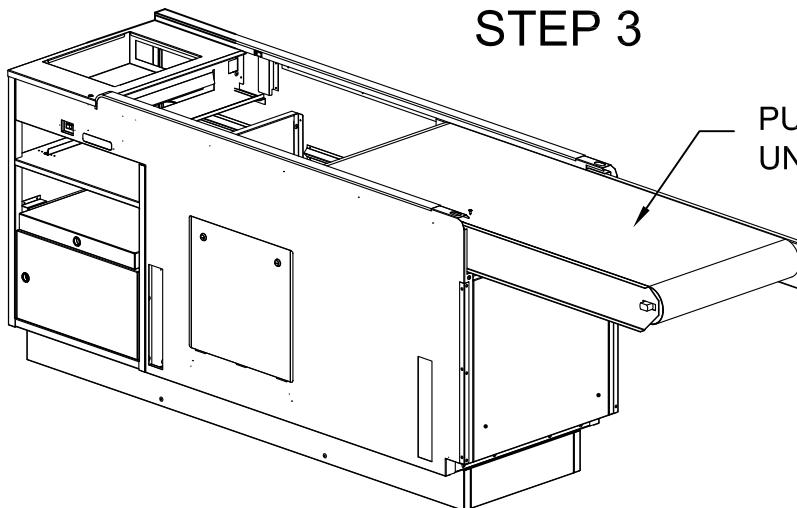
REMOVE COVER & TRIM CORNERS.

## STEP 2



REMOVE CROSS BRACE.

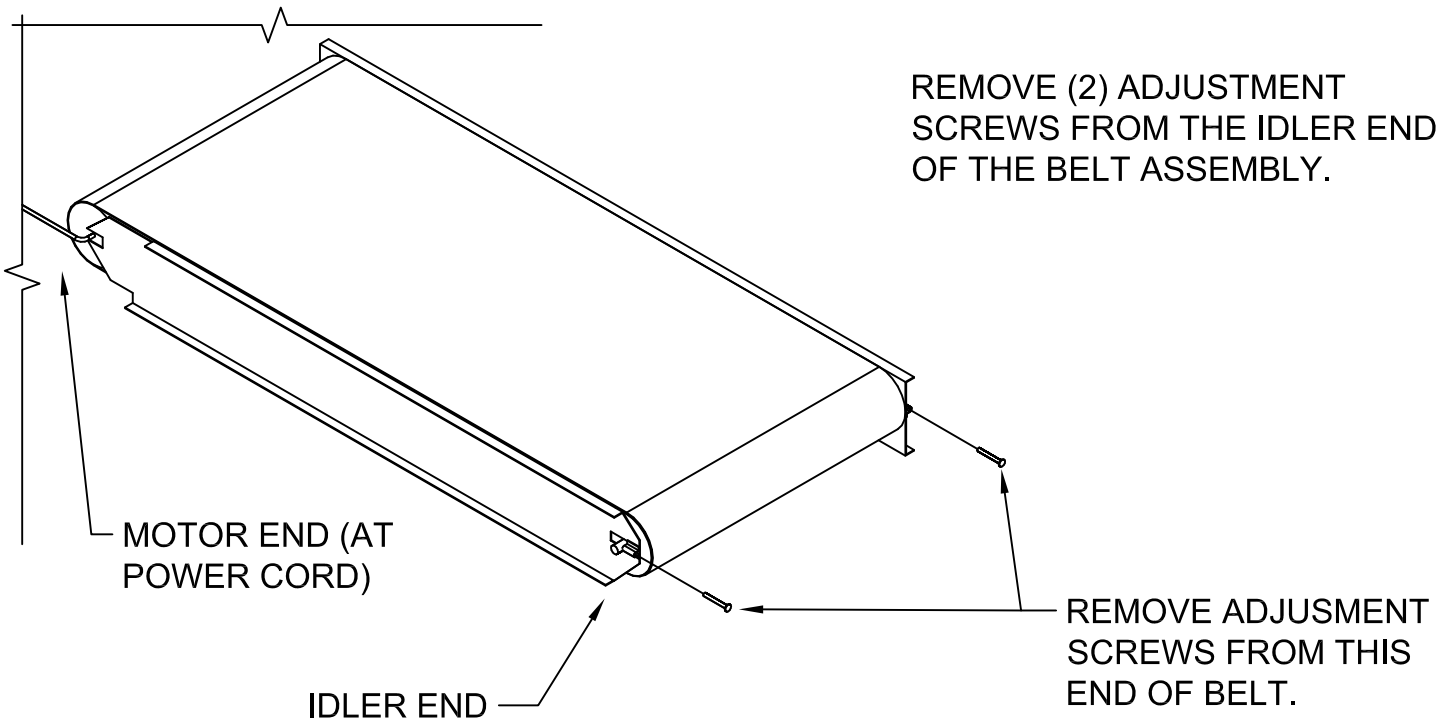
## STEP 3



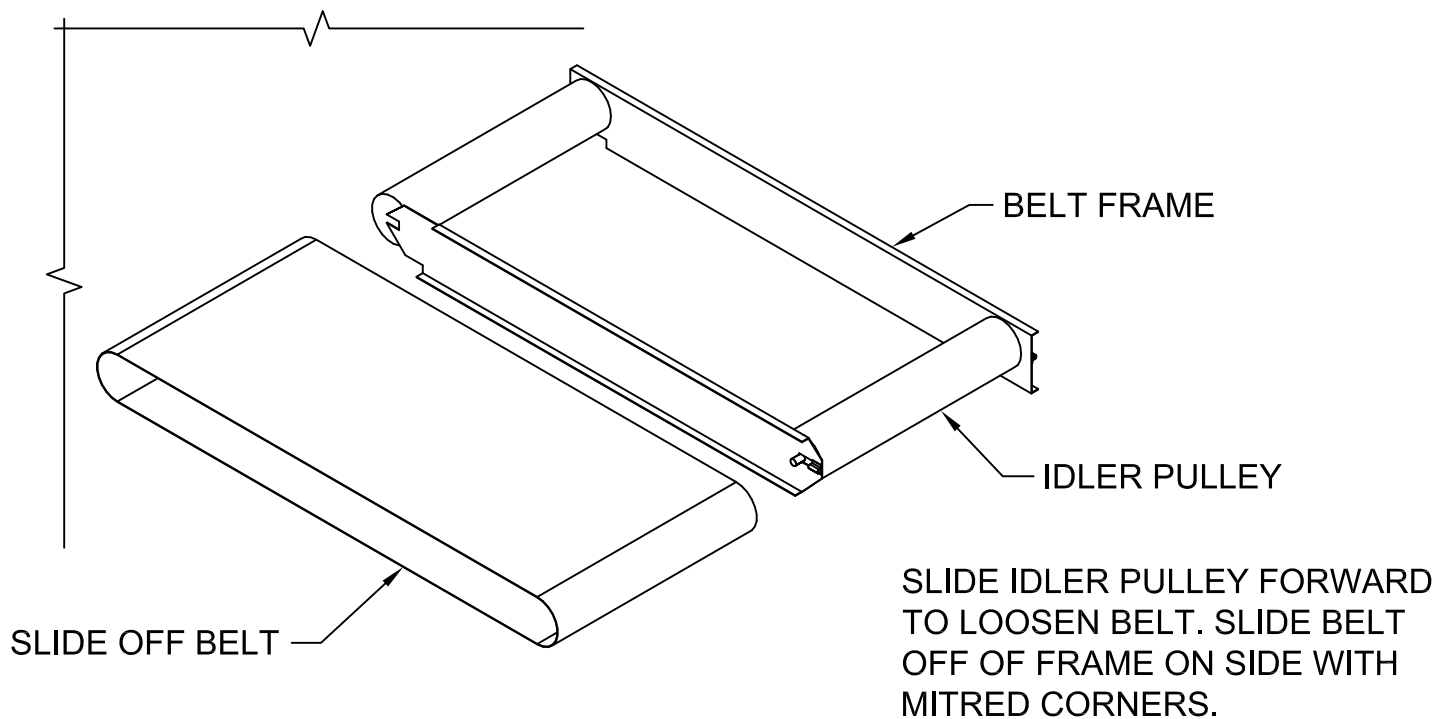
PULL CASSETTE FORWARD UNTIL IT IS FREE FROM UNIT.

# REPLACING BELT

## STEP 4



## STEP 5



PLACE NEW BELT ON UNIT AND REPEAT STEPS 1-5 IN REVERSE. MAKE SURE, WHEN BELT ASSEMBLY IS INSTALLED IN LANE, TO TRACK THE BELT (SEE PAGE 6).

# SERVICE PROCEDURE

Follow the procedures below for prompt service.

1. Check to see if warranty terms are still in effect. Store manager or Maintenance should determine by checking installation manual and serial number information indicated on units.
2. If warranty terms are effective, a service work order must be obtained from Lyons Store Fixture Service Department or Service Manager. Approval and work order must be obtained in order to proceed.
3. Upon contacting the service department, a service work order will be assigned. Please have specific information regarding the problem or work to be completed with lane number (if applicable) and contact name and phone.
4. After service work has been completed, store manager or present supervisor must sign the work order. If store personnel complete work, work order and invoice (if applicable) must be forwarded to Lyons Service department. Signed work orders must be received by service department before any payments or credits will be made.
5. Warranty parts will be invoiced to the store until defective parts are returned for credit. See warranty as provided in installation manual for specifications. Belt tracking or cleaning of parts (i.e. Photo eyes) are not covered by warranty.
6. If warranty period has passed, any work performed and/or parts replaced are the responsibility of the store. Contact Lyons Service for procedure.

Service work required outside of normal working hours must be approved by Lyons Service Department. Only necessary work to ensure the equipment is operational should be performed. Further work must be completed during normal working hours unless it is more practical to be performed at the same time.

Overtime work must be approved and performed with store manager's approval. Store manager must contact Lyons Service Department the following day for a service work order.

**Lyons Store Fixtures  
Service Department  
Phone: 866-478-2372  
Email: [dollartree@lyons-companies.com](mailto:dollartree@lyons-companies.com)**

# REPLACEMENT PARTS

REPLACEMENT PARTS		
ITEM	DESCRIPTION	PART NUMBER
1	SEAMLESS BELT - 22 X 122.31	PS-22X122.31
2	MOTOR	LYONMP-22
3	IDLER	LYONIP-22
4	15 MF CAPACITOR	MTRCAP-15
5	PHOTO-EYE RECEIVER	PR602D
6	PHOTO-EYE EMITTER	PE602D
7	PE-RECEIVER CABLE	600RCVR-6
8	PE-EMITTER CABLE	600EMTR-6
9	POWER ON/OFF SWITCH	1A823
10	BELT CONTROLLER	PC611PL15-004 or PC611RF15-007

# RETURN GOODS POLICY

Any customer needing to return equipment must adhere to the following guidelines. Return equipment will be accepted up to 60 days from shipping date.

1. A return good authorization number must be obtained from QA/Lyons Service department prior to shipping or returning the equipment.
2. An explanation for the return must be given at the time of obtaining the RGA.
3. Return equipment must be prepaid and returned within the 60-day period.
4. All boxes or packages must be clearly marked with the RGA number.
5. All paperwork referencing the return equipment must be clearly marked with the RGA number.
6. Return equipment must be in new, operational condition.
7. Used or special order equipment cannot be returned.
8. No returns will be accepted after the 60-day period.
9. Return equipment will be subject to the following charges:
  - a. Purchased Parts 25%
  - b. Manufactured Parts 40%

**Lyons Store Fixtures  
Service Department  
11301 Electron Drive  
Louisville, KY 40299**

**Phone: 866-478-2372**

**DO NOT DISCARD  
PRODUCT INFORMATION**

To order parts for service:

1. Find the serial number located on the lane.
2. Call LSF Service Department at 866-478-2372. Please have serial number ready.
3. When returning warranty items please insure that your return authorization number is labeled on your package and send to the address indicated above.



