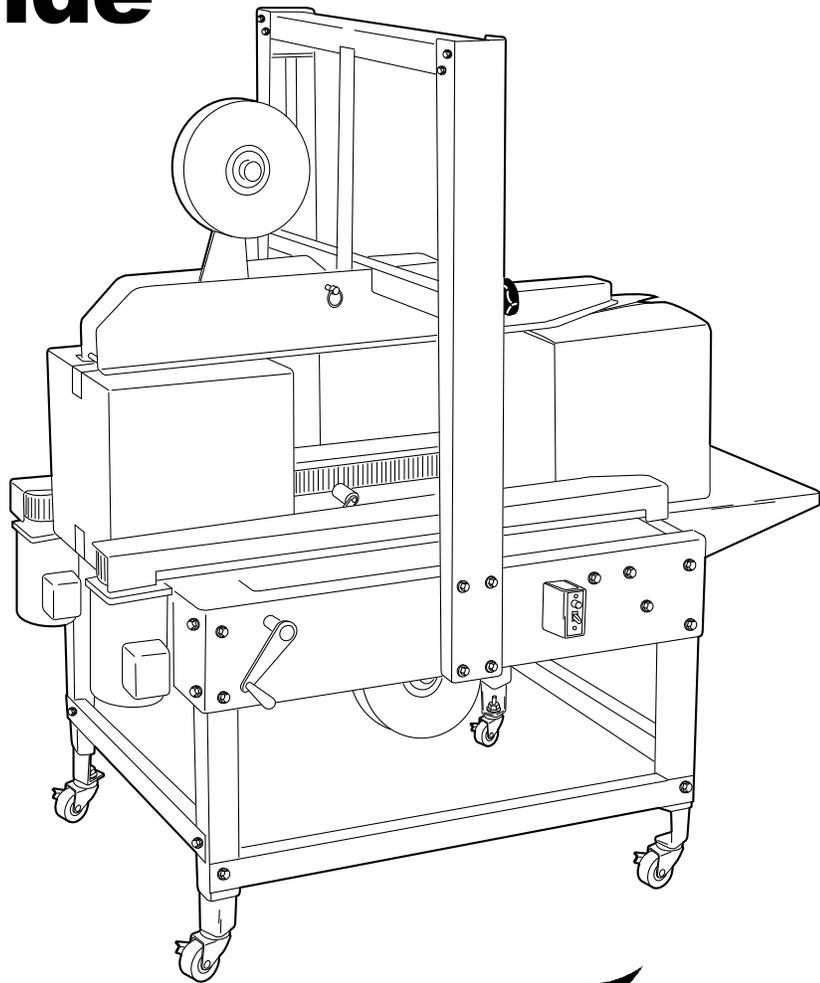


SB-2

Side Belt Industrial Case Taping System

User Guide



EASTEY[®]

SB-2

Side Belt Industrial Case Taping System

User Guide

Revised 03/28/2013

PN# 5000711 Rev-D

Copyright and Trademarks

Copyright ©2013 Eastey Enterprises, Inc.
All rights reserved. All trademarks and brand names
are the property of their respective owners.

Eastey Enterprises, Inc.
7041 Boone Ave N.
Brooklyn Park, MN. 55428

Phone: (763) 795-8856; Fax: (763) 795 8867; Toll Free: 1-800-877-5658

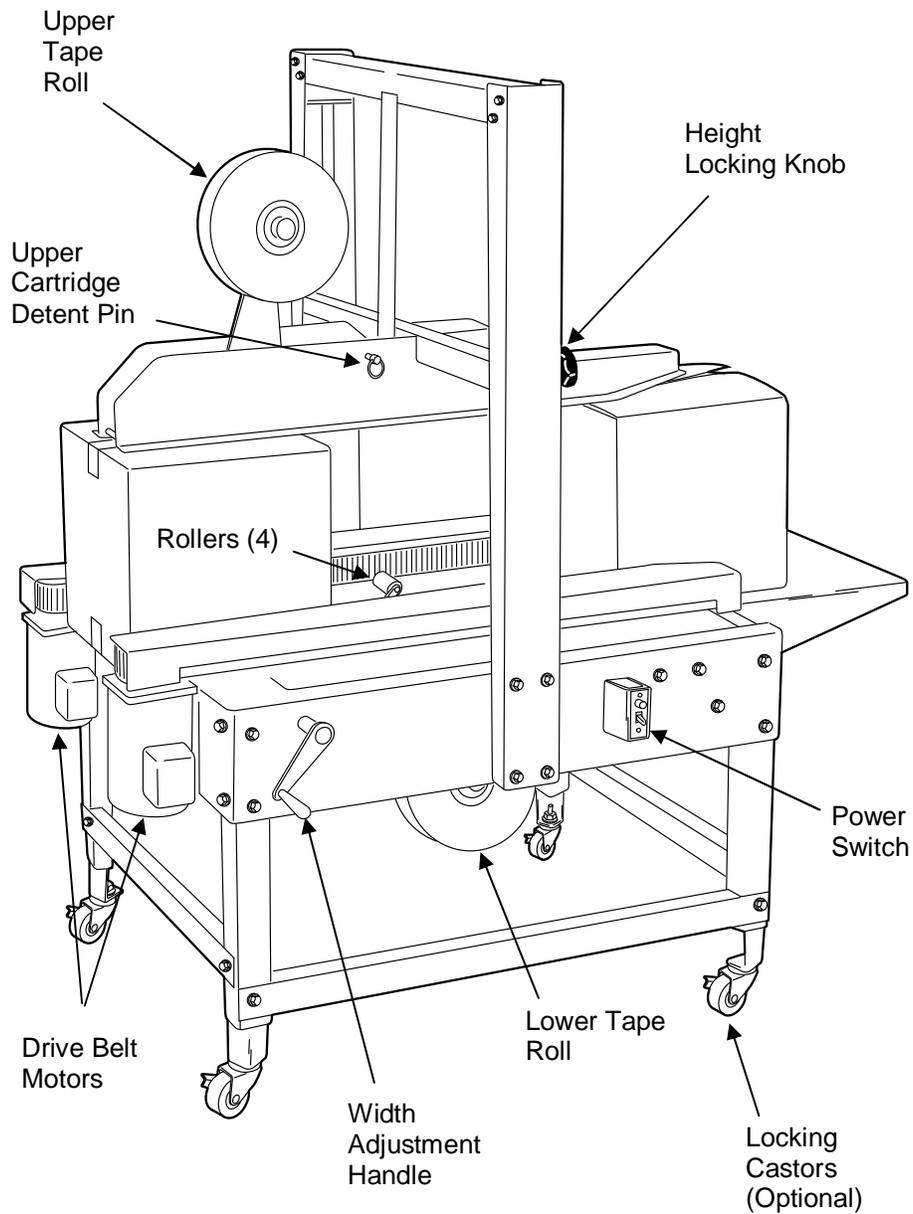
www.eastey.com

Contents:

- SB-2 Overview 7**
- General Safety Precautions..... 8**
- Installation and Setup 9**
 - Removing the Shipping Pallet..... 9
 - Width Adjustment Handle 10
 - Installing the Optional Locking Castors..... 11
 - Location Requirements 12
- Loading the Tape Cartridges..... 13**
 - Lower Cartridge: 13
 - Upper Cartridge: 16
- Adjustments 19**
 - Package Width..... 19
 - Package Height 19
- Operation 20**
- Maintenance 21**
 - Rollers 21
 - Cutting Knives..... 21
 - Changing Knife Blades 21
 - Changing the Drive Belts 24
- Parts List..... 26**
- Warranty Statement 32**

SB-2 Overview

The side belt driven SB-2 is a case taper that is designed to tape the tops and bottoms of uniform sized boxes at rates determined by the operator.



General Safety Precautions

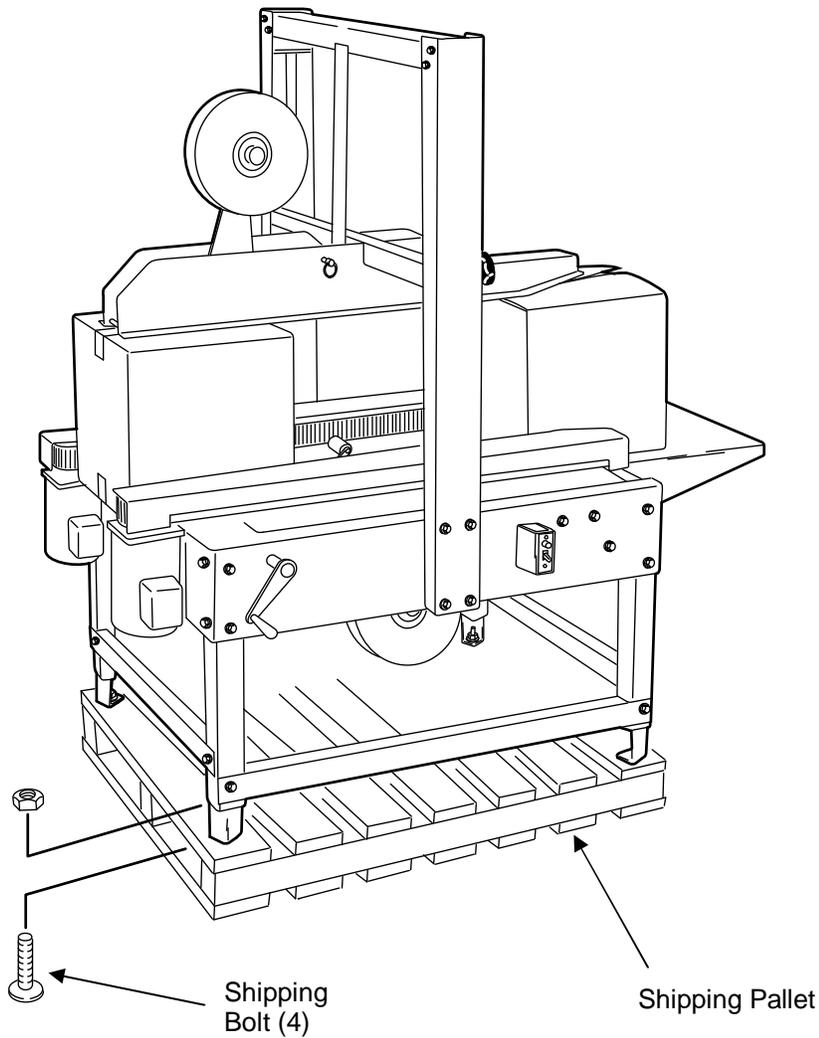
Before installing, operating or servicing this equipment, please read the following precautions carefully:

- This machine is equipped with moving belts. Do not place hands near the rear of this unit when the belts are moving as fingers may be pinched where belts enter the frame. We suggest the use of a roller-type exit conveyor or pack table for your cases. Always remove boxes after they clear the exit end of the machine.
- Observe caution when near the tape applying cartridges or when threading tape. The knife is very sharp, automatically operated and is linked to the wipe down rollers.
- Do not attempt to open or work on the electrical box, junction boxes or other electrical components of the unit without first disconnecting power to the machine. Electrical shock hazard exists if power is not disconnected.
- Do not by-pass any factory-designed safety features such as knife guards, interlocks, switches, etc.
- Do not place hands or body inside the confines of the machine unless the head mechanism is securely fastened, and the electrical supply is shut off.
- Never provide service or clear a box jam when machine is running.
- When feeding a box into the unit, always hold down the box top and present the box to unit. Release hands as soon as the belts begin to take the box.
- Do not wear loose clothing such as ties, scarves, jewelry etc. Long hair should be pulled back and/or covered while operating this machine.
- Do not stand or climb on any part of the taper.

Installation and Setup

Removing the Shipping Pallet

Undo the four shipping bolts that secure the SB-2 to the shipping pallet.

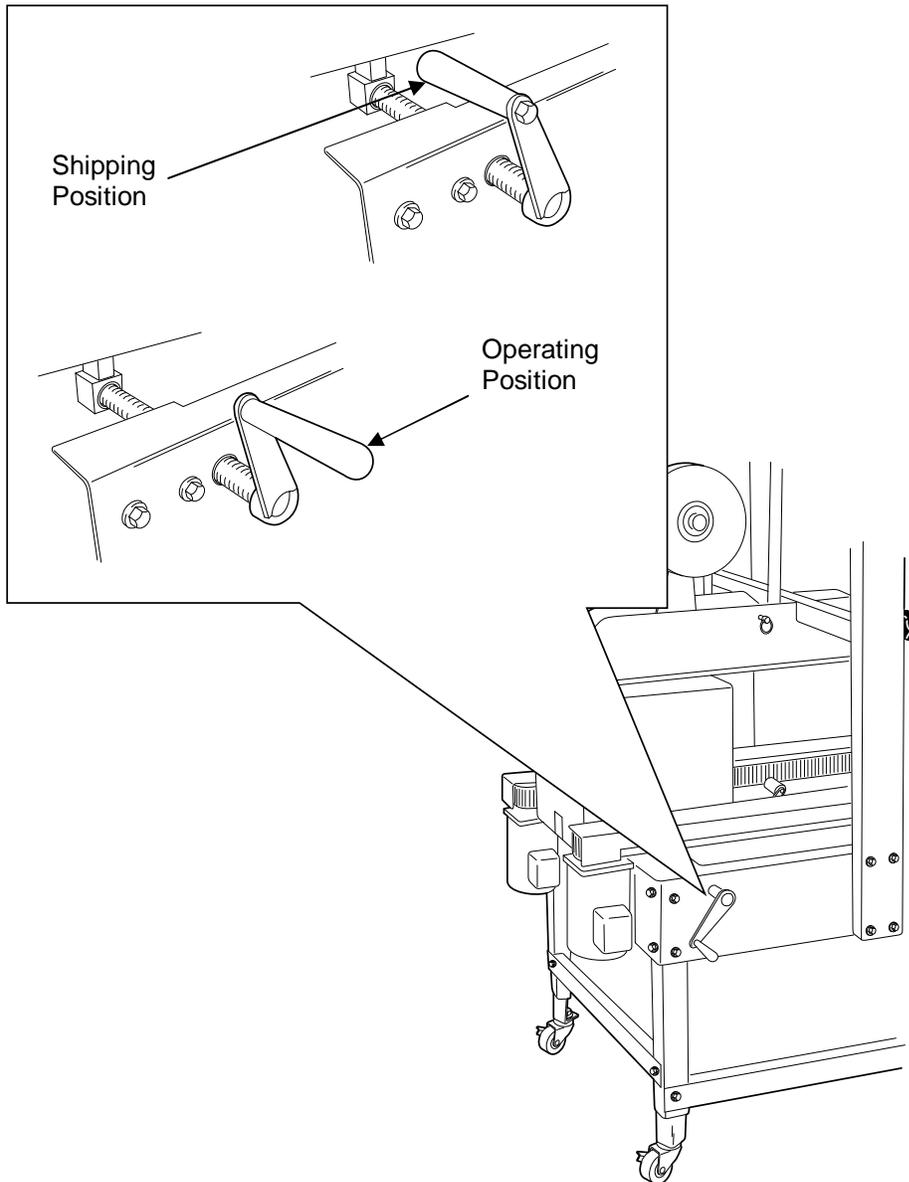


Lift the SB-2 Case Taping System from the pallet.

CAUTION! The SB-2 Case Taper is a very heavy piece of equipment and will require a forklift or several people to move safely off the shipping pallet.

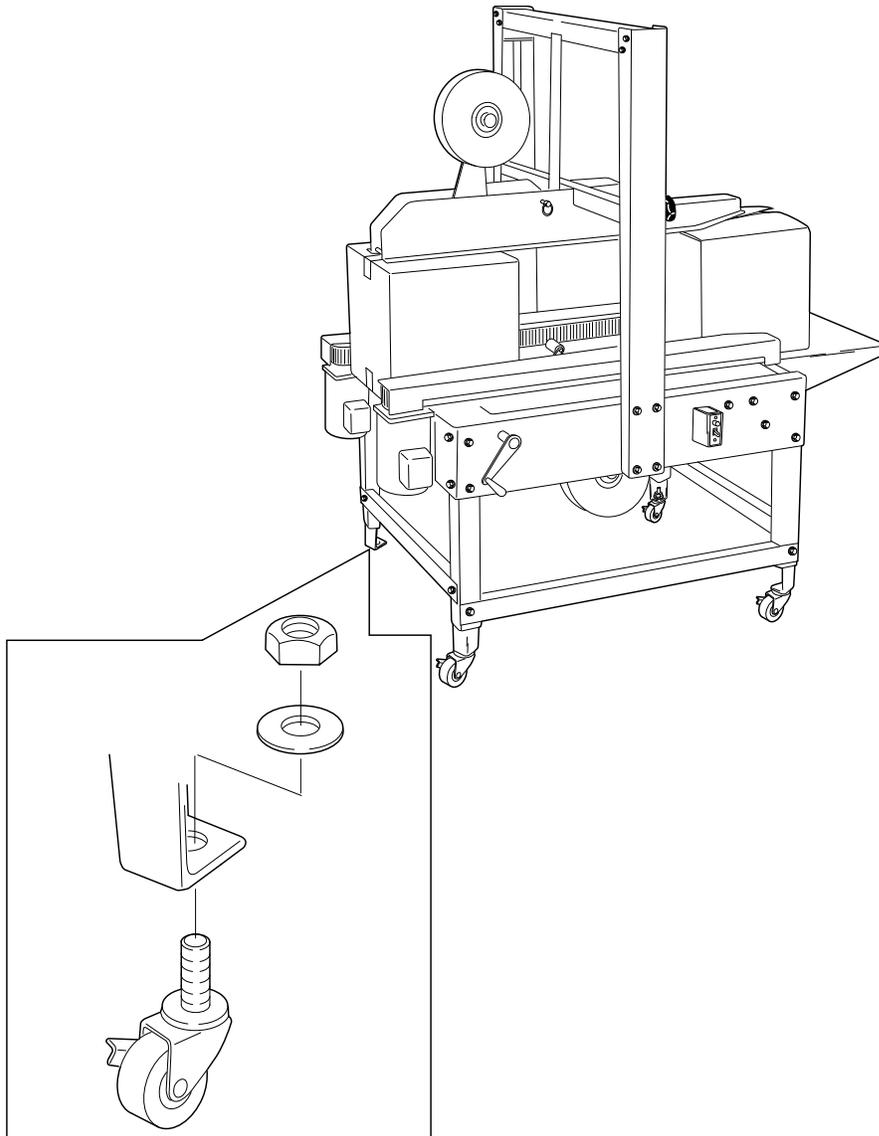
Width Adjustment Handle

The width adjustment handle is shipped in the shipping position and must be reversed to the operating position.



Installing the Optional Locking Castors

If you have purchased the optional locking castors install them on the four taper legs now.



CAUTION! Obviously you will have to raise the Case Taper off the floor to install the castors. Use proper equipment when lifting the case taper. Ensure the SB-2 Case Taper is secure and will not shift while the castors are being installed.

Location Requirements

To move the SB-2 to the desired location, you will need to use a pallet jack or fork lift. If you have purchased the optional locking castors you can move the taper easily over a smooth flat surface.

When installing the SB-2 Taping System please be aware of the following considerations:

1. The mounting surface is flat and level.
2. Conveyor or packing table height.
3. Alignment with packaging line.

When the SB-2 Taper is installed in the operating location you will need access to:

1. The power switch.
2. Height and width adjustments.
3. Tape loading (Both upper and lower tape cartridges).

A packing table may be provided at the in feed end where the packer can fill boxes and close the flaps prior to feeding the boxes into the machine. It is also convenient to have a pack table at the exit end of the taper.

It is essential that the table and conveyor be at the machine bed height.

The machine should be placed on a flat, level floor so that it does not rock or move. Optional locking casters are available to provide portability; however, we recommend that the machine be securely locked in place when used.

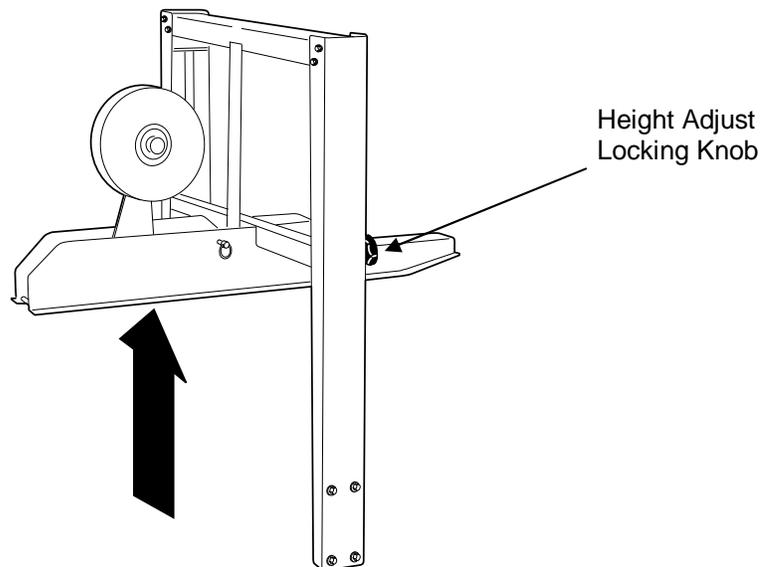
Loading the Tape Cartridges

CAUTION! To avoid personnel injury, remove the tape cartridge before loading tape.

When handling the tape cartridge be careful to avoid contact with the tape cutting blade.

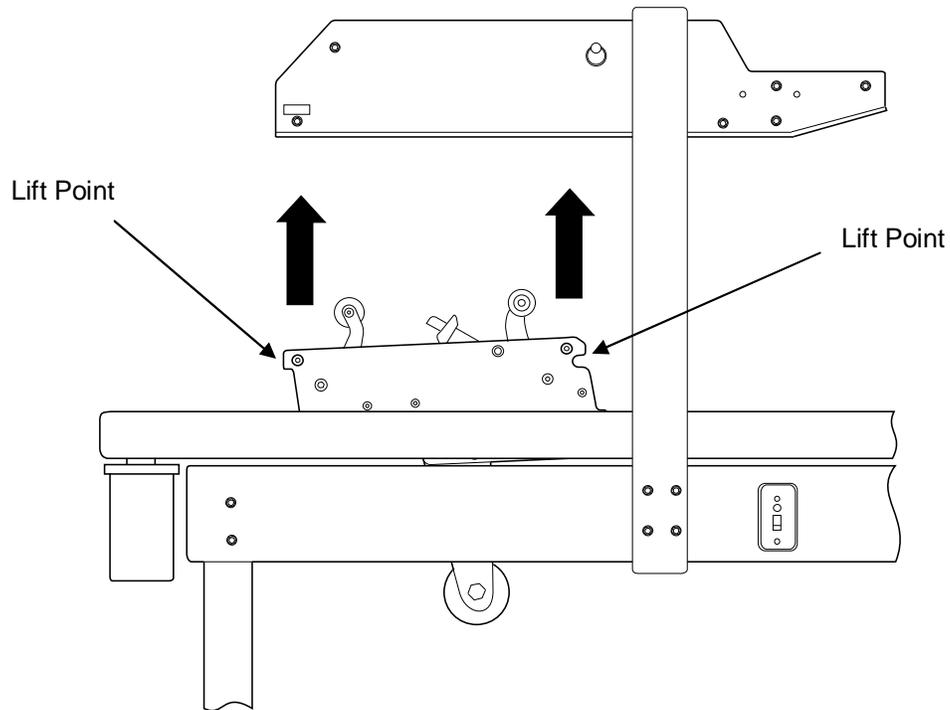
Lower Cartridge:

To remove the lower tape cartridge, it is necessary to raise the upper taping head to the highest position. Loosen the height adjust locking knob and raise the upper tape head. Re tighten the locking knob.



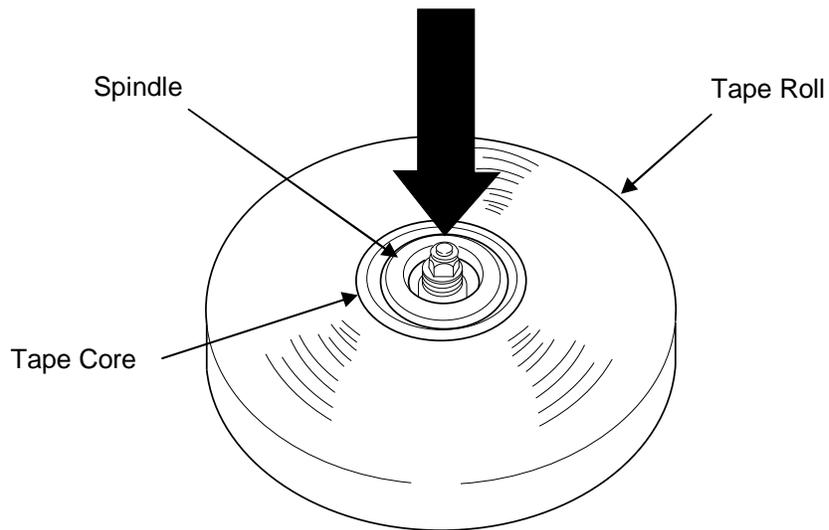
After raising the top taping head up, remove the lower taping cartridge from the bottom section by holding both lift points and lifting upward.

CAUTION! Only lift the tape cartridge by the lift points. Take care to keep away from any cutting edges.

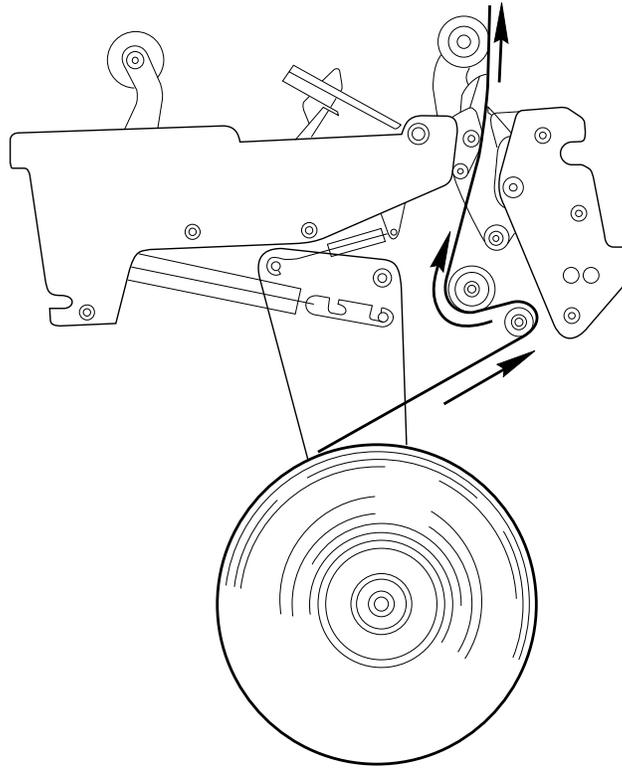


Push the tape roll onto the tape core assembly.

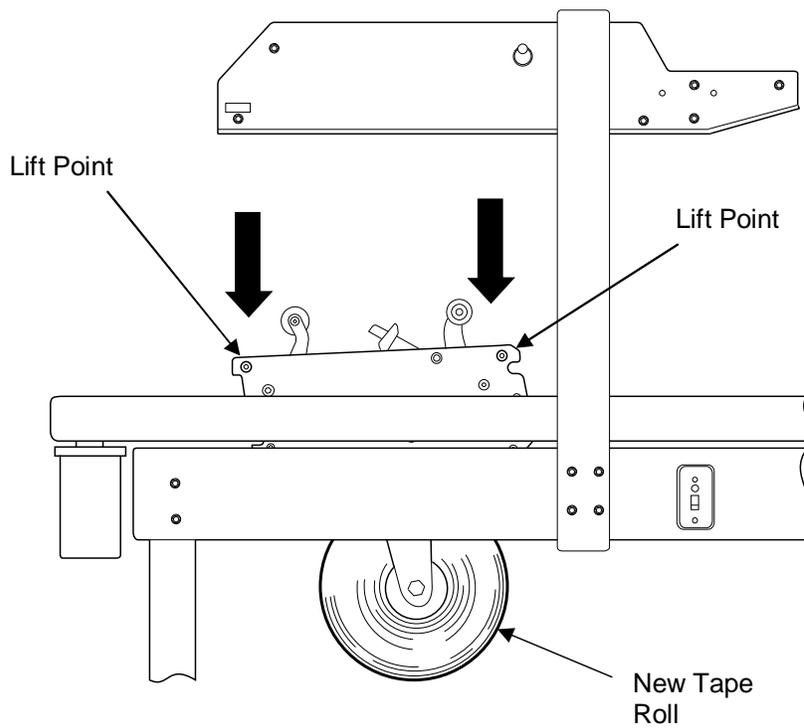
NOTE: Make sure the tape roll is pushed all the way on the tape core assembly.



Carefully thread the new tape according to the following diagram.

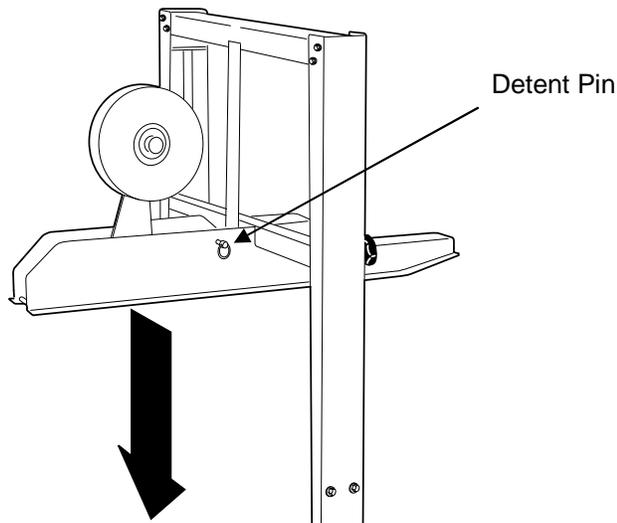


Replace the lower tape cartridge.



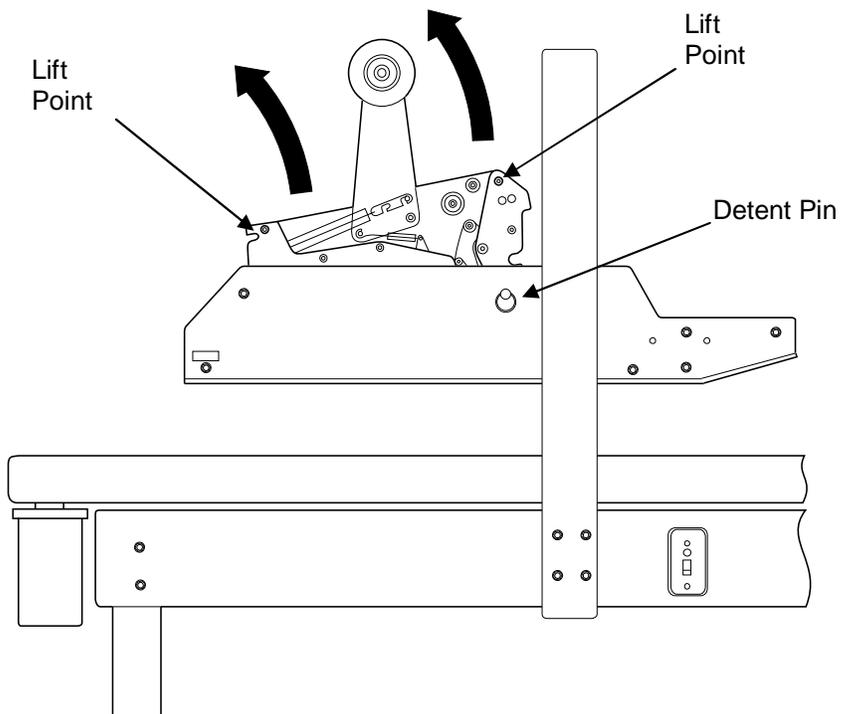
Upper Cartridge:

To remove the upper cartridge, it is helpful to lower the upper taping head to its lowest position. Pull the detent pin and raise the right end of the cartridge first.



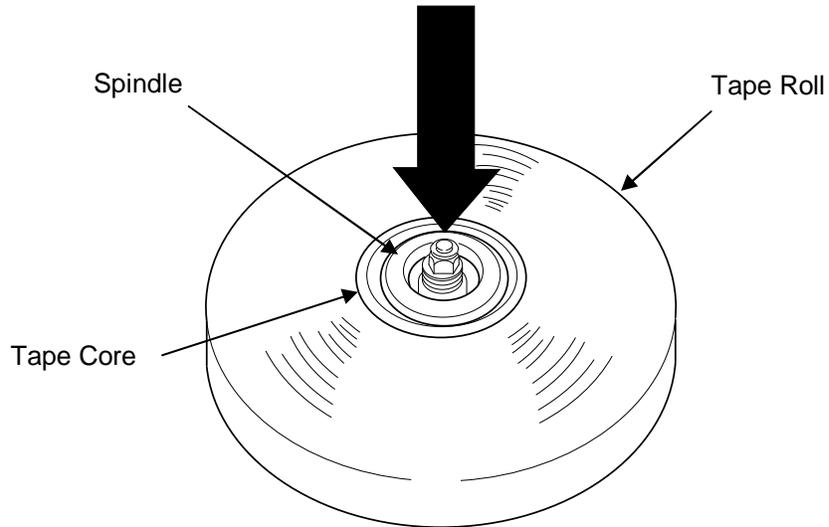
Lift the upper cartridge up and out of the machine.

CAUTION! Only lift the tape cartridge by the two lift points. Take care to keep away from any cutting edges.

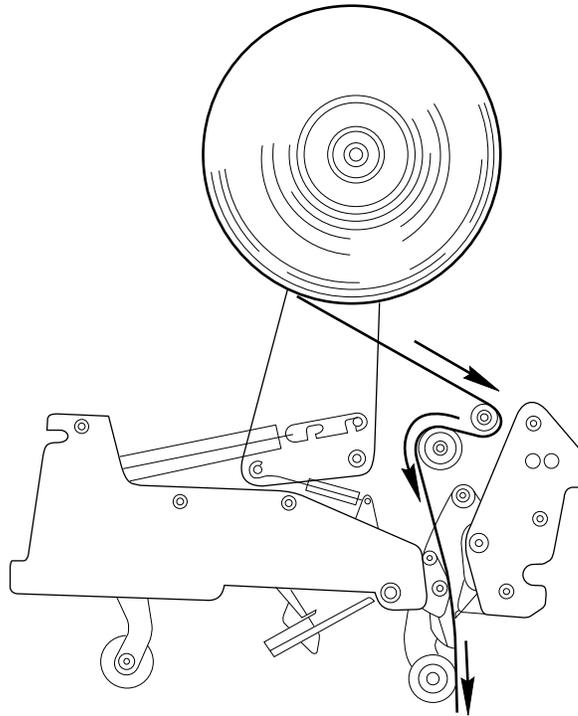


Push the tape roll onto the tape core assembly.

NOTE: Make sure the tape roll is pushed all the way on the tape core assembly.

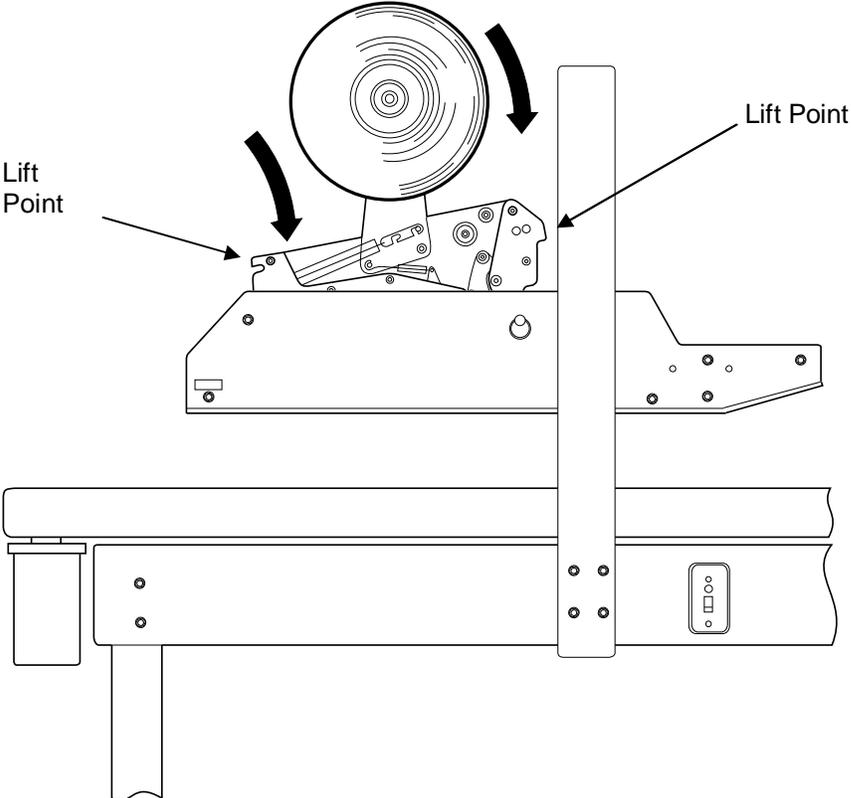


Carefully thread the new tape according to the following illustration. Be care full to avoid the cutting edges.



Replace the tape cartridge in the machine.

CAUTION! When replacing the upper tape cartridge only lift by the two lift points. Take care to keep away from any cutting edges.

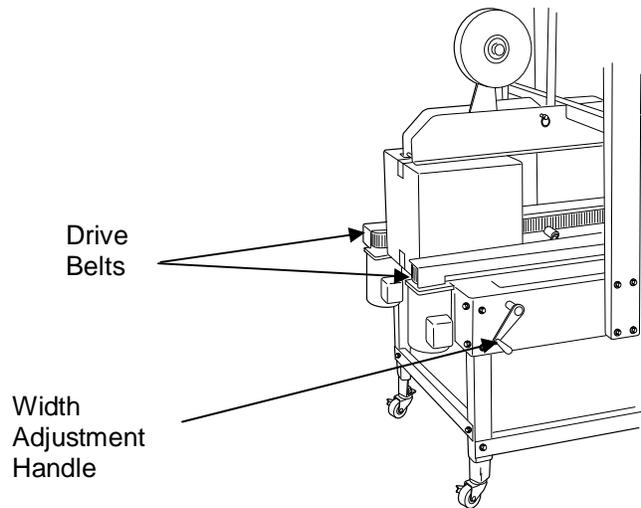


Adjustments

CAUTION! Make all adjustments with the machine turned off.

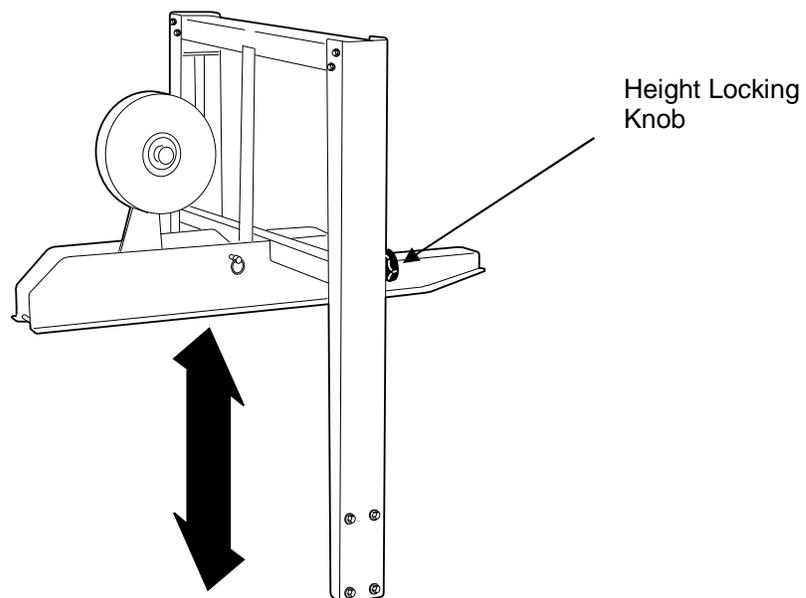
Package Width

Adjust width according to the box size.



Package Height

Adjust height according to the box size.

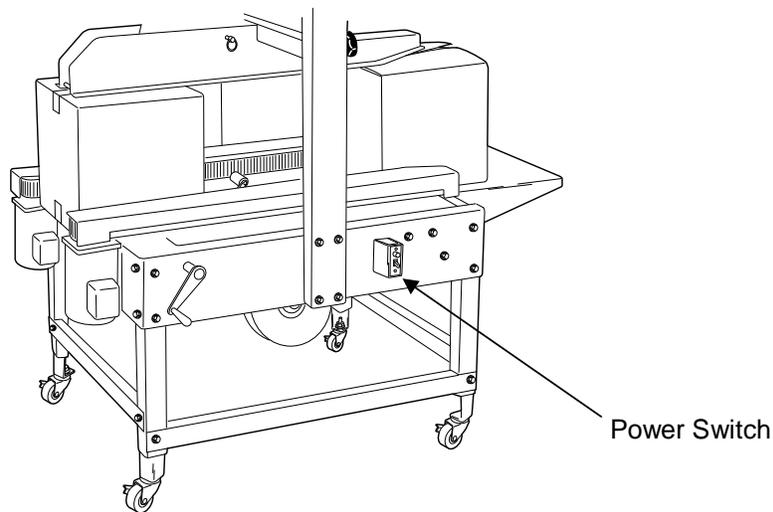


Operation

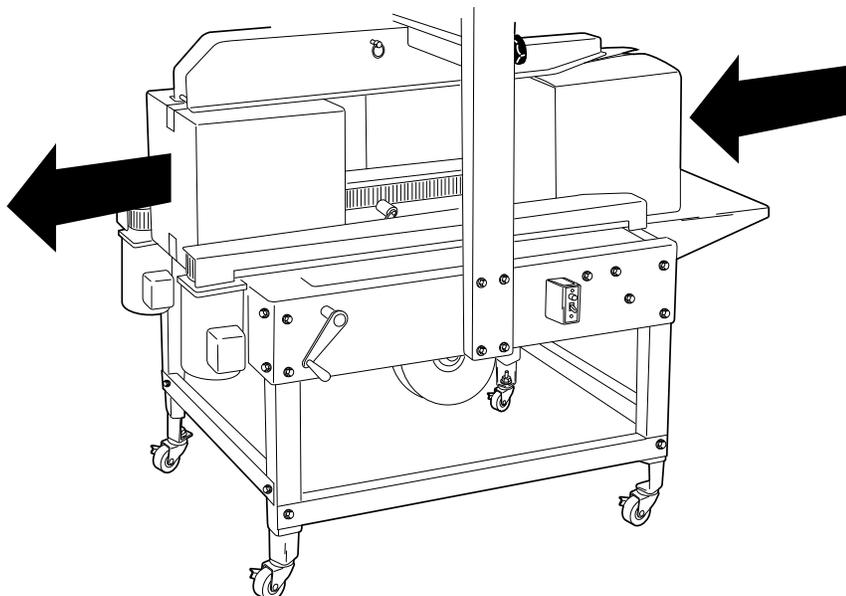
The SB-2 Industrial Case Taping System is very simple to operate. Before running the taper take a minute to double check your installation. Make sure the taper is at the correct height, is properly aligned with the packaging line and the package height and width adjustments are correct.

Plug the power cord into a properly wired and grounded receptacle.

Turn on the power switch.



Run a package through the Taper.



Maintenance

The SB-2 Industrial Case Taping System will provide many hours of maintenance free operation. There are a few items that may require attention from time to time.

Rollers

Make sure rollers stay clean and grease free. If you should have to clean the rollers simply wipe them down with a clean lint free cloth. If a more thorough cleaning is necessary wipe the rollers down with a mild detergent and water and let dry. **Never use harsh or abrasive cleaners or chemical agents when cleaning the rollers.**

Cutting Knives

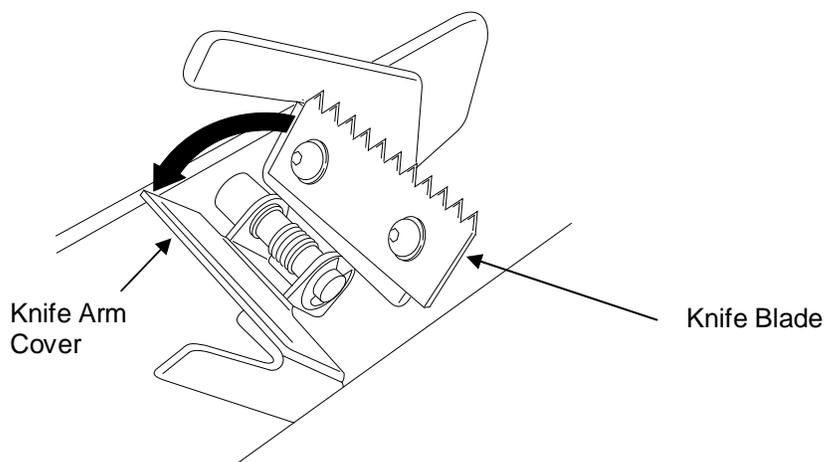
Occasionally inspect the cutting knives to ensure they are clean and free of adhesive residue. Make sure the cutting knife is sharp by inspecting cuts in the tape. Cuts should be straight and neat. If the quality of cuts is eroding, the knife blade is dull and should be replaced.

Changing Knife Blades

CAUTION! Always be aware of the cutting edges while replacing the knife blades. Handle the knife blades carefully.

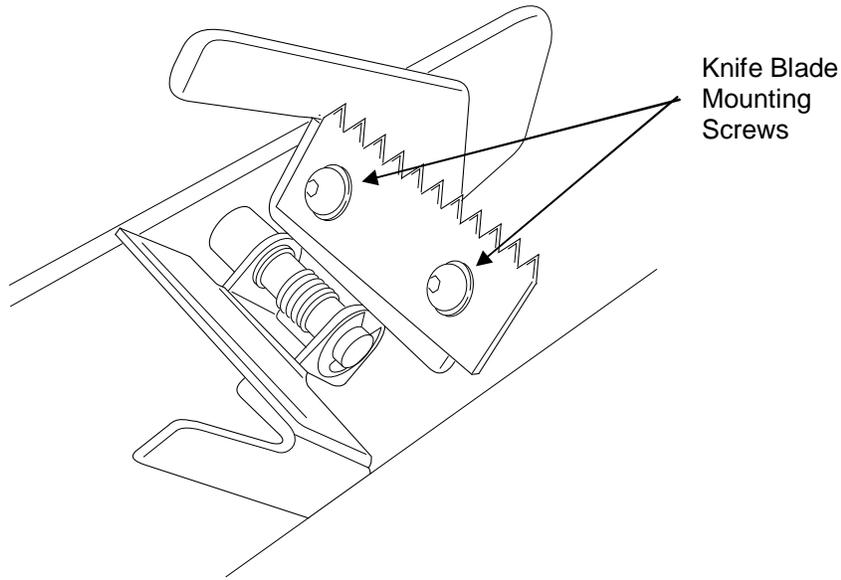
Turn off and unplug the taper.

Open knife arm cover.

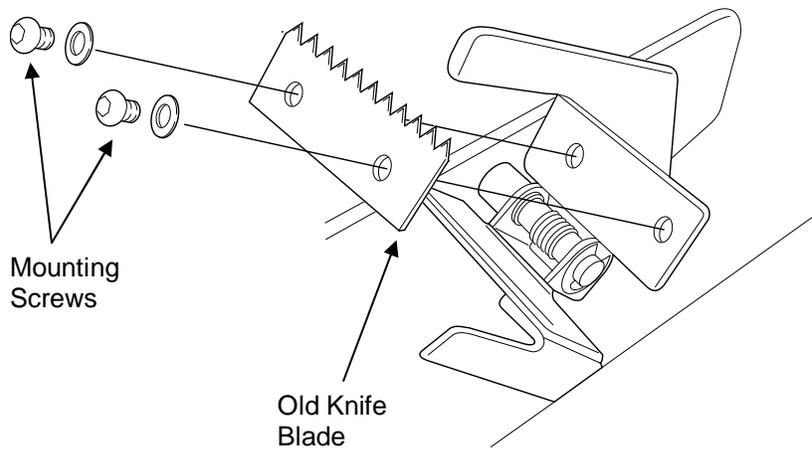


For the upper tape cartridge remove the cartridge from the machine before changing the knife blade. The lower cartridge can remain in the taper while changing the lower knife blade.

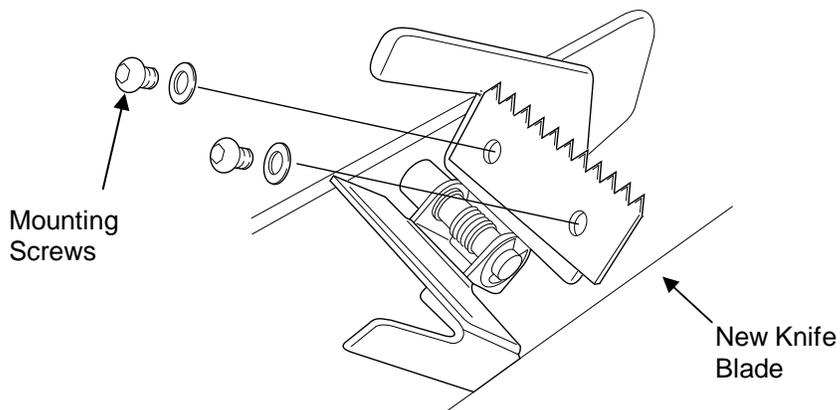
Remove the two knife blade mounting screws.



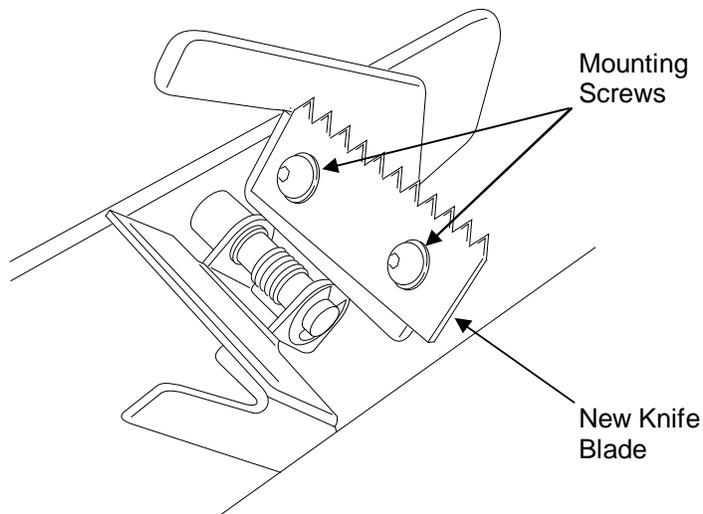
Remove the old blade.



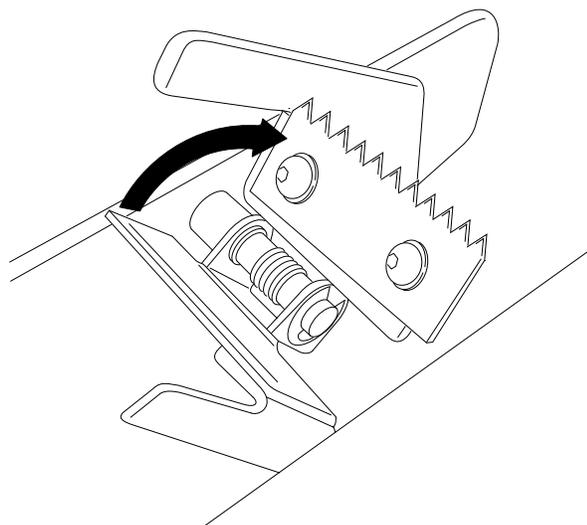
Install a new knife blade.



Replace mounting screws.



Close knife arm cover.



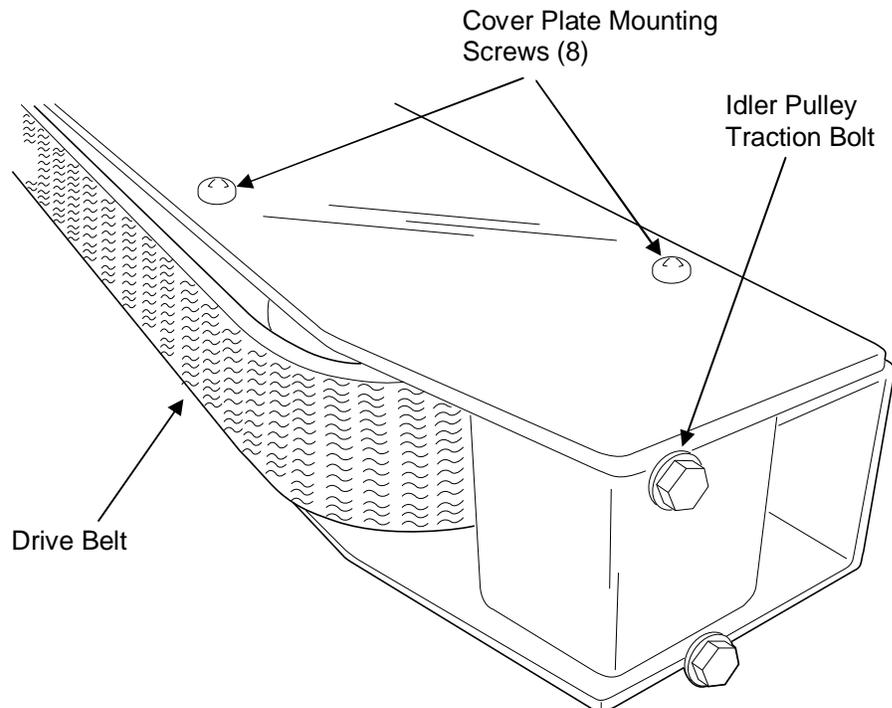
Plug in and turn on the SB-2 Case Taper to resume operation.

Changing the Drive Belts

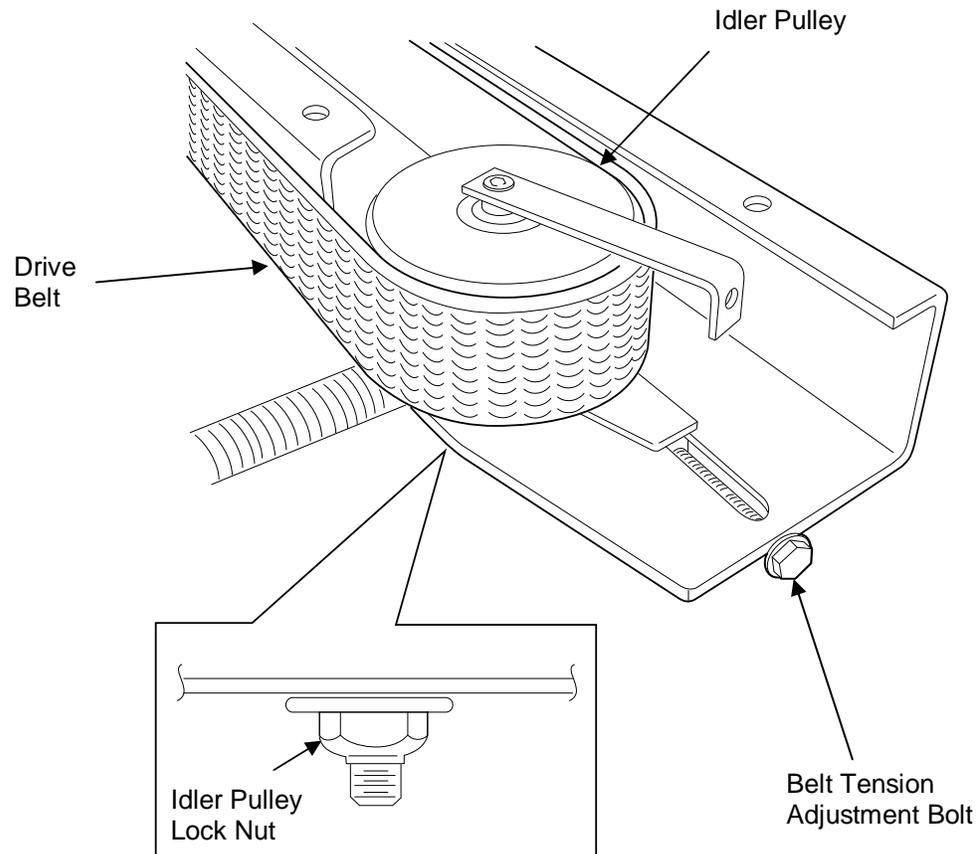
Turn off and unplug the taper.

Remove the eight drive belt cover mounting screws and the idler pulley traction bolt.

Lift off the drive belt cover.



Loosen the idler pulley locking nut located under the idler pulley



Use the belt tension adjustment bolt to loosen the drive belt enough to remove it from the drive and idler pulleys.

Remove the old belt from around the drive and Idler pulleys.

Simply place a new belt around both drive and idler pulleys.

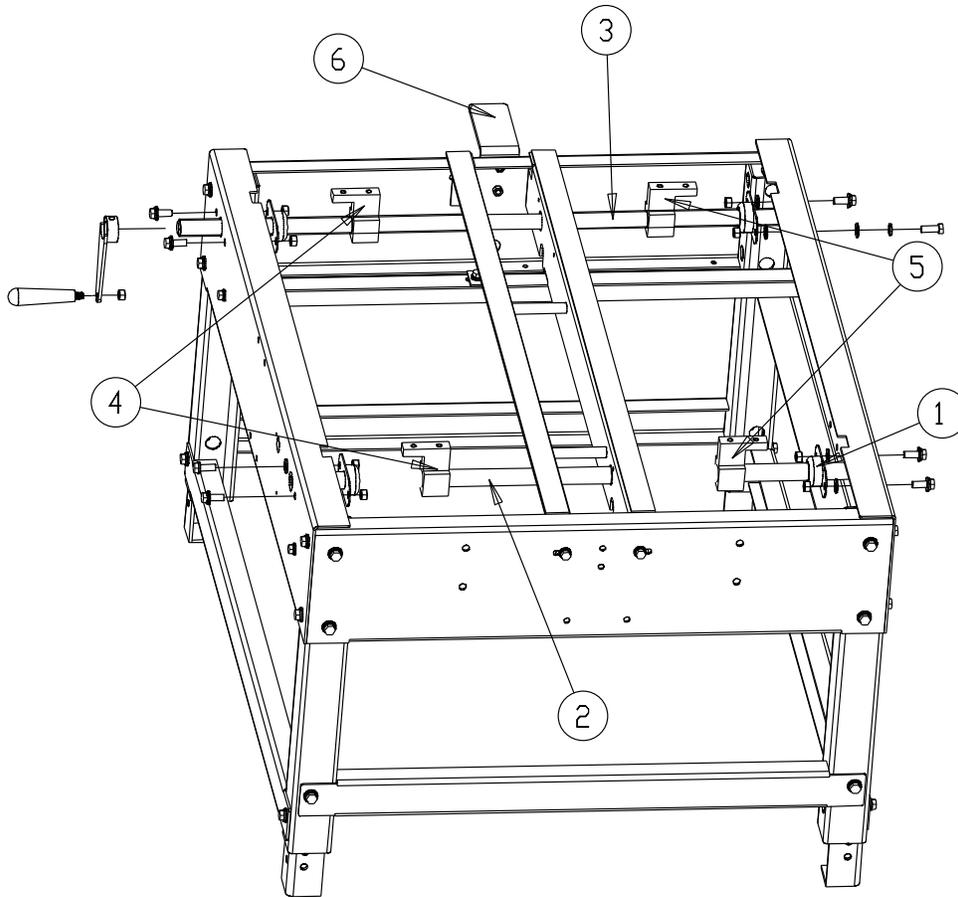
Use the belt drive tension bolt to tight the new belt.

Retighten the Idler pulley Lock Nut.

Replace the Drive belt cover Traction arm bolt.

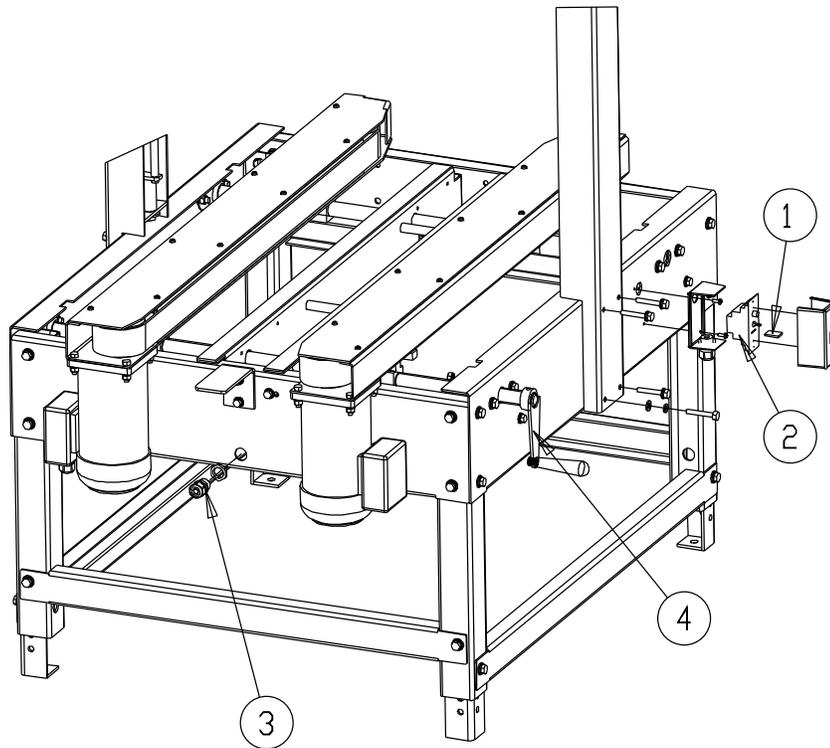
Plug in and turn on the SB-2 Case Taper to resume taping.

Parts List



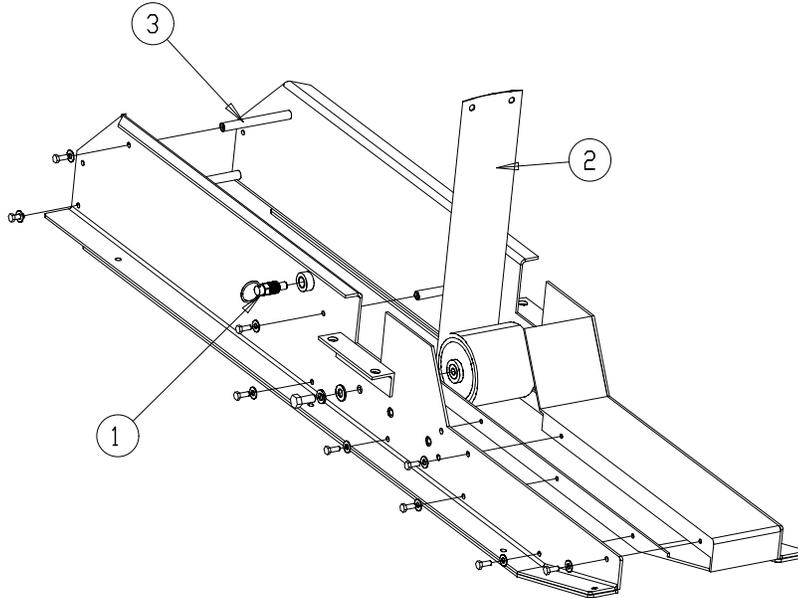
6	1	5000578	FAB-EXIT BRACKET, SB
5	2	5000542	FAB/WELD-LEAD NUT, LEFT THREAD
4	2	5000543	FAB/WELD-LEAD NUT,RIGHT THREAD
3	1	5000562	FAB-LEAD SCREW, MAIN
2	1	5000563	FAB-LEAD SCREW, IDLER
1	4	5000605	BEARING, FLANGE
PART	QTY	MODEL PART NO.	DESCRIPTION

Parts List Cont.



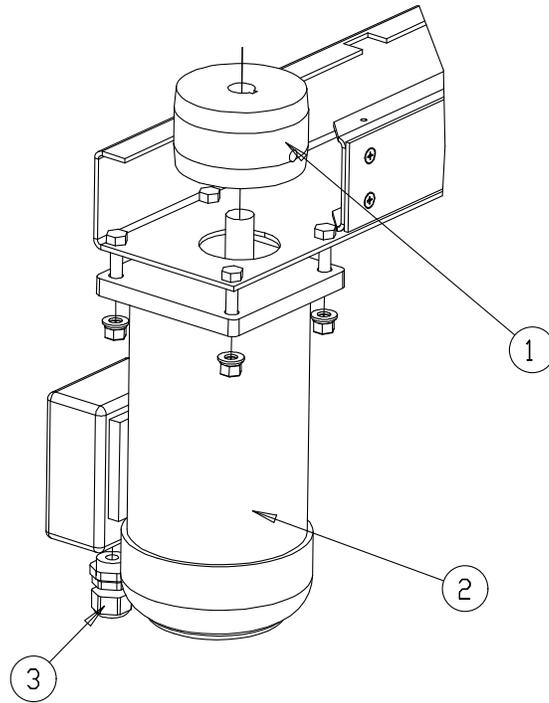
4	1	5000612	ASSY-HAND CRANK
3	2	1602253	STRAIN RELIEF, VECTOR
2	1	5000039	SWITCH/MS-ON/OFF 120VAC
1	1	5000042	MOTOR STARTER, HEATER COIL
PART	QTY	MODEL PART NO.	DESCRIPTION

Parts List Cont.



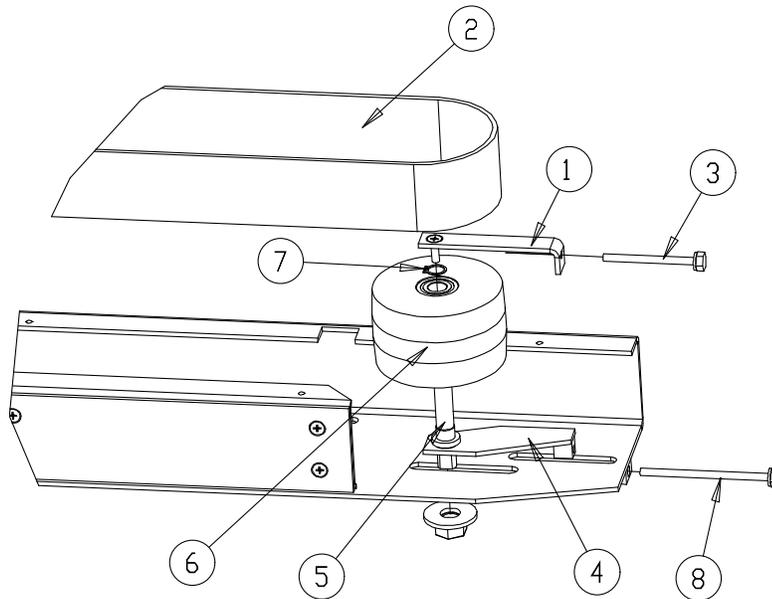
3	1	5000227	MACH-SPACER, HEAD PLATES
2	1	5000046	SPRING- CONSTANT FORCE 3' WIDE
1	1	5000598	PLUNGER-RETRACTABLE
PART	QTY	MODEL PART NO.	DESCRIPTION

Parts List Cont.



3	1	1602253	STRAIN RELIEF
2	1	5000311	SIDE BELT GEAR MOTOR
1	1	5000807	ASSY-SB DRIVE ROLLER
ITEM	QTY	PART NUMBER	DESCRIPTION

Parts List Cont.



NOTE:
 FOR LEFT DRIVE ASSEMBLY USE P/N:
 5000702 FAB/WELD-BELT TENSION BRKT, L
 INSTEAD OF ITEM # 4
 (RIGHT HAND ASSEMBLY SHOWN)

8		055293-049	TENSION BOLT
7	1	5000340	RING, RETAINING
6	1	5000820	ASSY-SIDE BELT IDLE ROLLER
5	1	5000533	MACH-SB IDLER ROLLER SHAFT
4	1	5000695	FAB/WELD-BELT TENSION BRKT, R
3	1	5000804	TRACKING BOLT
2	1	5000853	BELT(SET)-SIDE, EZ SB
1	1	5000928	FAB-BELT TRACKING BRACKET
PART	QTY	MODEL PART NO.	DESCRIPTION

SB-2 Case Sealer

Warranty Statement

Warranty Statement

Eastey Enterprises, Inc. warrants that all of the products it ships will be in good working order and free from defects in material and workmanship and will conform to the published specifications for that product.

Warranty Period

Drive motor(s):	1 year
Gear reducer:	3 years
Tapehead:	3 years (Except for moving parts which are subject to normal wear, tear and replacement which are warranted to be free from defects in material and workmanship.)
All other parts:	1 year (Except for moving parts which are subject to normal wear, tear and replacement which are warranted to be free from defects in material and workmanship.)

Taping Quality

Taping quality achieved in a given application is dependent on the installation, the material handling, and the maintenance provided. Eastey makes no warranty that the print quality achieved in an application will be the same as that achieved on a test piece in our laboratory.

Shipping Policy

Customer pays all incoming shipping. If the item is defective and under warranty, Eastey pays return shipping charges for least costly method. If expedited shipping is desired, customer must furnish his shipping account and shipping fees will be charged to that account.

Warranty Verification

If you conclude that a product may be defective and may be covered by warranty, obtain a Return Material Authorization number and return the defective item to Eastey Enterprises, Inc. Eastey will analyze the product and, if found to be defective, we will, at our option, replace or repair the item. If the item is found to not be eligible for warranty, you will be notified and may decide on disposition. Defective products will be replaced or repaired as promptly as possible.

Warranty Eligibility

The warranty provided by Eastey Enterprises, Inc. is only to the original buyer.

Limited Warranty

THE ABOVE WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

Disclaimer of Damages

REGARDLESS OF WHETHER ANY REMEDY SET FORTH HEREIN FAILS OF ITS ESSENTIAL PURPOSE, IN NO EVENT WILL SQUID INK MANUFACTURING, INC. BE LIABLE

FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES, INCLUDING LOST PROFIT OR LOST OPPORTUNITIES OF ANY TYPE ARISING OUT OF THE USE OR INABILITY TO USE THESE PRODUCTS EVEN IF SQUID INK MANUFACTURING, INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.



EASTEY®