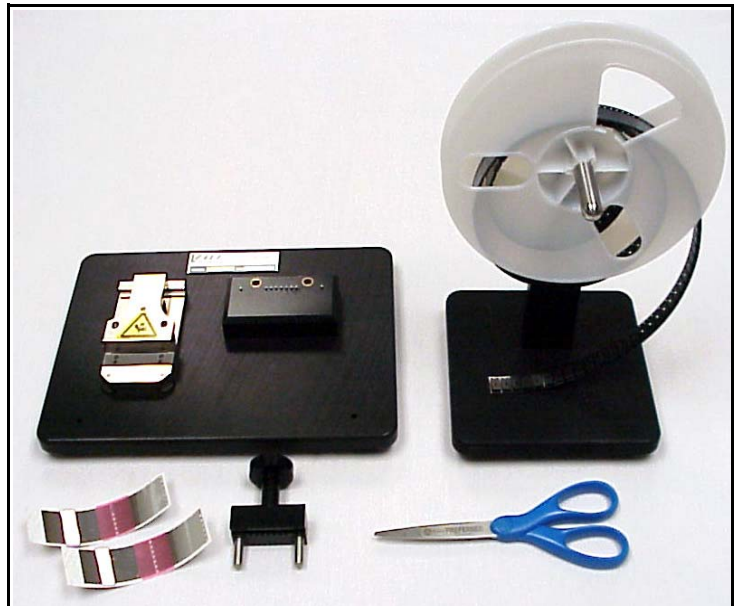


TS-100 Tape Splicer Operator's Manual



ISO 9001:2008 Certified

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User's Guide # 61540025

Tape Splicer

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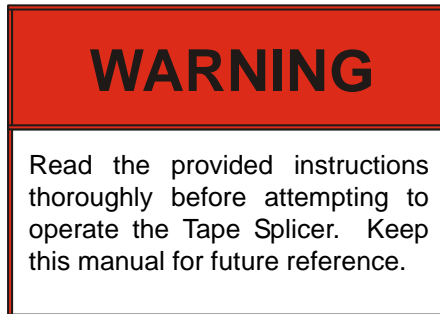
Introduction

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How to Use this Manual

These instructions include important definitions of safety markings and important safety guidelines to follow when operating the Tape Splicer.



The intended use of the Tape Splicer is to combine partial reels, to add leader/trailer, or to splice without unnecessary empty pockets. Use of this equipment in any other way may lead to personal injury.

The guidelines provided on the following pages are intended to educate the user on how to operate the Tape Splicer safely. They contain important information on avoiding potential hazards to the operator or to the equipment.

Safety Marking Definitions

All warnings are coded according to the following scheme.

Attention

Placed on the equipment near an adjustment or danger zone.



Crushed Hand

Placed on the equipment near areas that can cause personal injury or equipment damage if unsafe practices are used.



Open Book

Refer to the Maintenance Instructions before performing maintenance procedures on the Tape Splicer.



Safety Marking Definitions

All safety information is coded according to the following scheme.

Warning

Used when there is a risk of physical injury to people around the machine.



Caution

Used when there is a risk of damage to the Tape Splicer.



Chapter 2

Description and Operation

Chapter 2 Contents

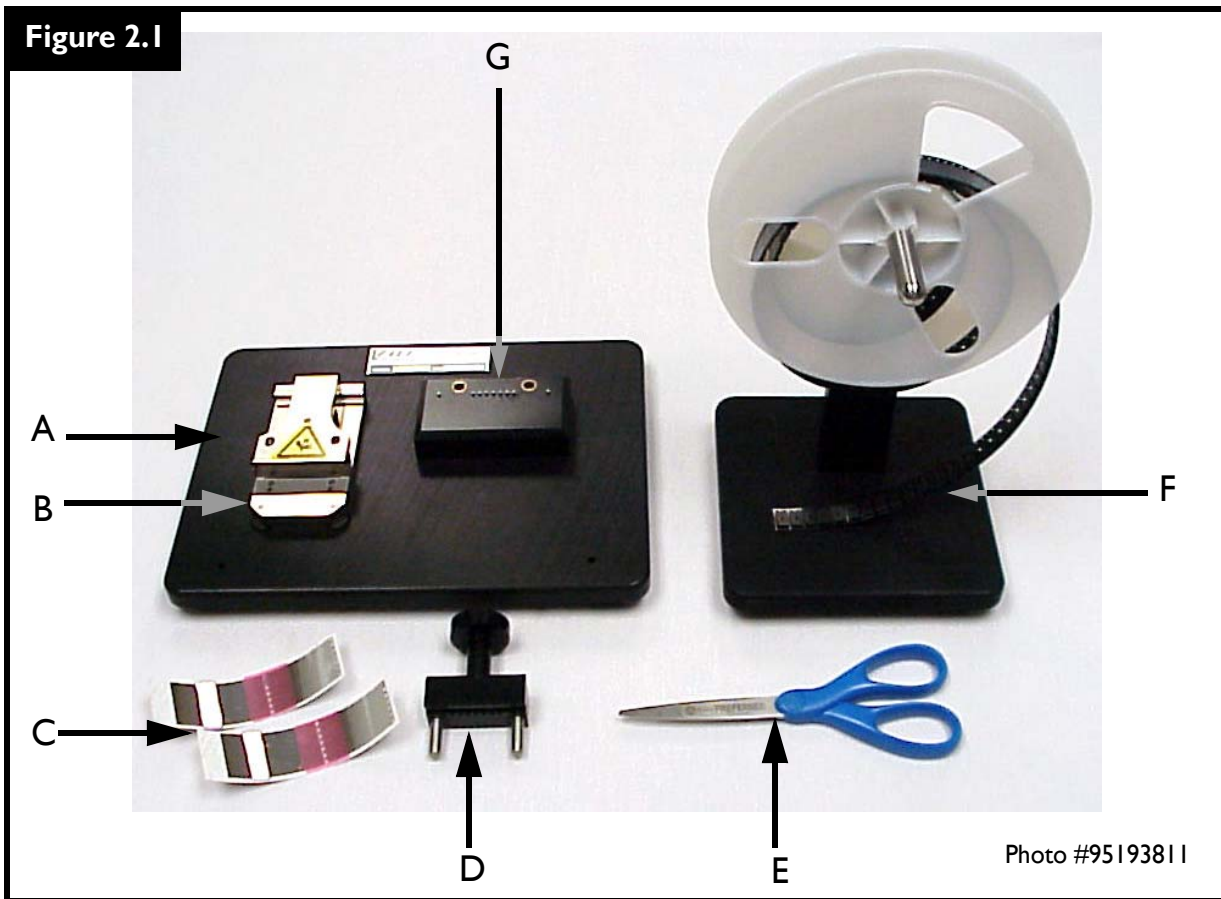
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WARNING

Do not touch sharp edges of the trimmer and be sure the cutting path is clear when pushing down.

Description

Figure 2.1



Tape Splicer Base (A)

Trimmer (B)

Splice Tape (C)

Compressor (D)

Scissors (E)

Reel Stand (F)

Tape Block (G)

Operation

1. Using a scissors, cut the carrier tape directly between two pockets.

Figure 2.2

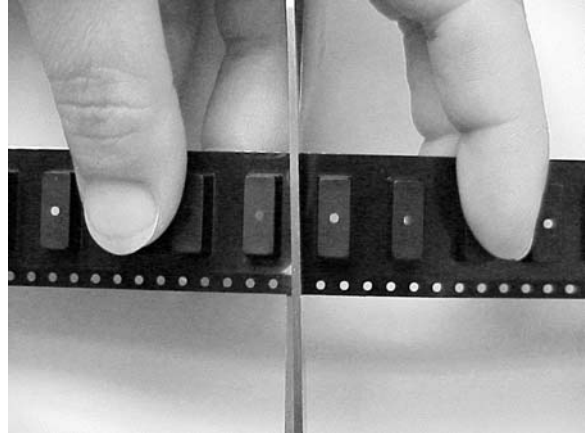


Photo #95194811

2. Place the splice tape on the tape block with the silver side down. Remove the paper backing from the splice tape to expose the adhesive.

Figure 2.3

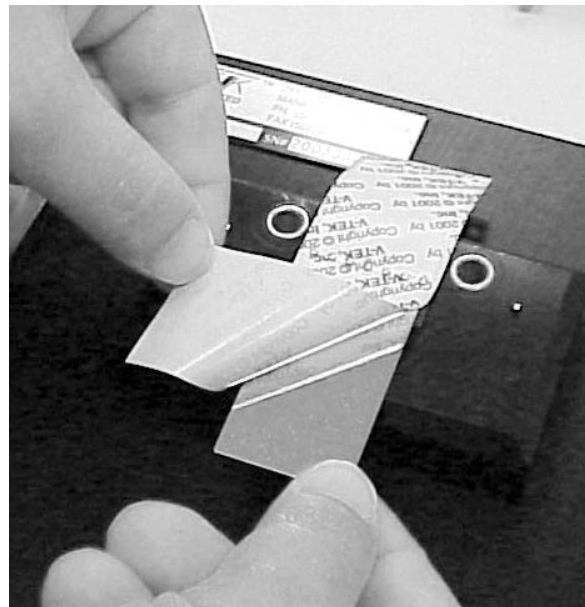


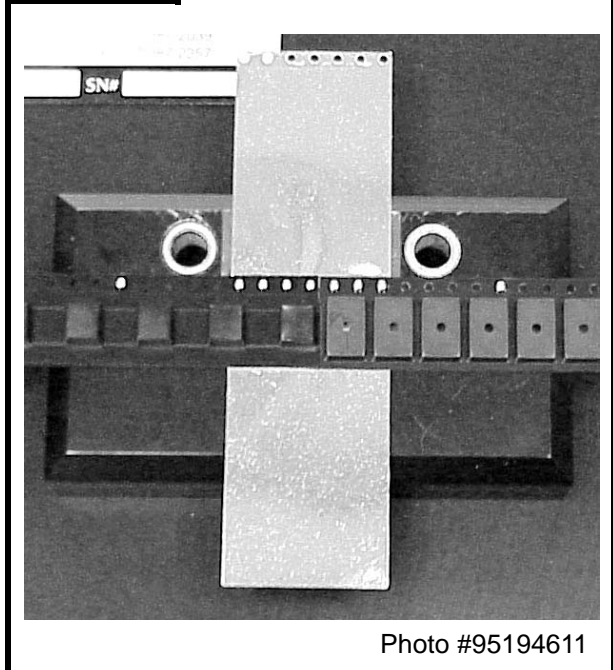
Photo #95194711

Operation

3. Place the two pieces of carrier tape on the tape block using the registration pins to align the two ends as close as possible.

NOTE: A large gap, or overlap, between the two pieces of carrier tape is not conducive to a good splice.

Figure 2.4

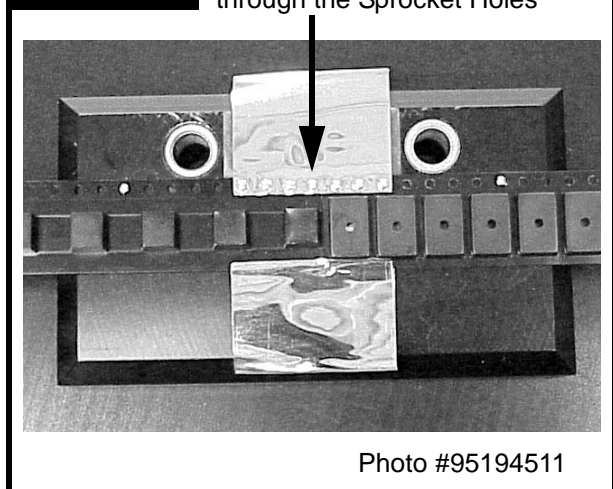


4. Fold the splice tape over so the ends of both sides touch the carrier tape. The side without the sprocket holes should secure to the ledge of the carrier tape. The side with the registration pins should protrude through the sprocket holes.

NOTE: When working with paper carrier tape, fold the splice over the entire carrier tape pocket.

Figure 2.5

Registration Pins Protruding through the Sprocket Holes



Operation

5. Press the compressor down to seal the splice to the carrier tape.

NOTE: For 8 mm carrier tape, the compressor fits in the peg holes so the carrier tape goes through the notch.

NOTE: For carrier tape larger than 8 mm, the compressor must be turned around. The other side of the splice can simply be sealed to the carrier tape using the operator's fingertip, making sure the splice is sealed properly.

6. Remove the carrier tape and make sure it is spliced correctly. Pull the tab to remove the pink transparent release tape.

7. Rub thumb over splice to ensure sufficient splice adhesion to the carrier tape.

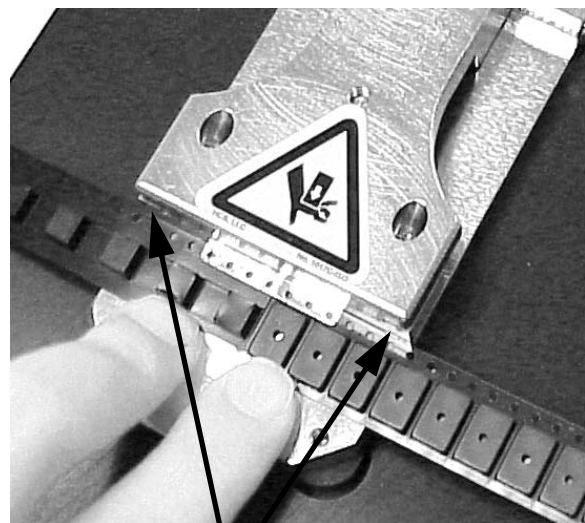
8. Position the spliced carrier tape on the trimmer and gently press it up against the two shoulders.

Figure 2.6



Photo #95194411

Figure 2.7



Shoulders

Photo #95194311

Operation

9. Press the trimmer down to trim the excess splice tape.

Figure 2.8

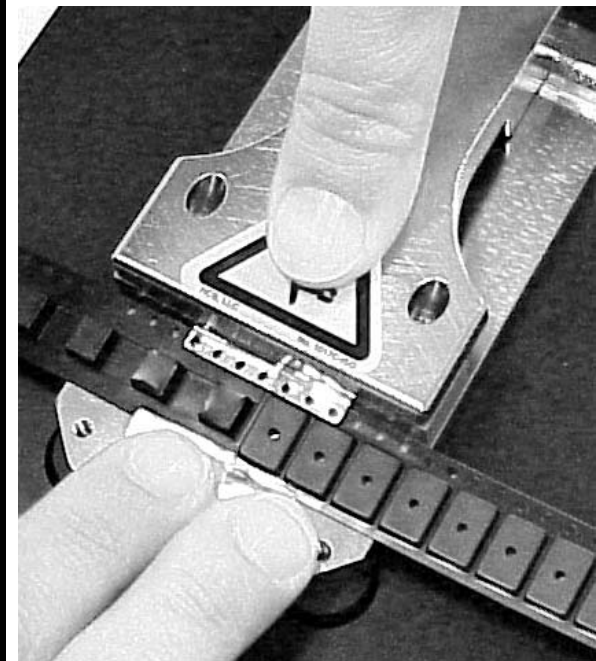


Photo #95194211

10. To trim the opposite side of the spliced carrier tape, position the reel stand on the other side of the tape splicer. Repeat Steps 7 and 8.

Chapter 3

Trimmer Maintenance

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Cleaning the Blades

If the trimmer starts sticking or is gummed up with adhesive, the blades will need to be cleaned.

1. Using a 3/32" hex wrench, remove the SHCS on the bottom of the trimmer.

Figure 3.1

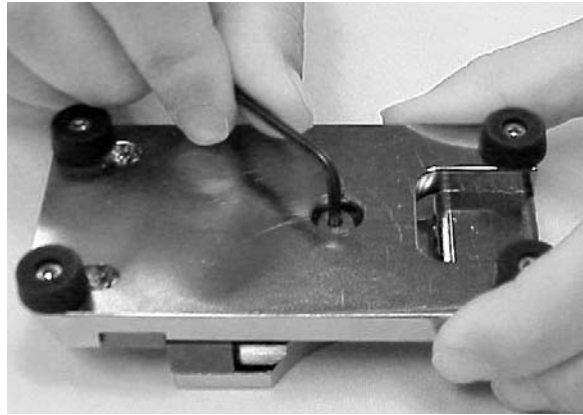


Photo #95195111

2. Open the trimmer and remove the spring.

Figure 3.2

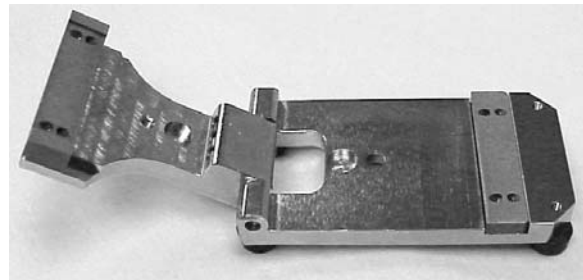


Photo #95195211

3. Use alcohol, acetone, or lacquer thinner and a cotton swab to clean the blades. Rub the edges of the top and bottom blades until they appear clean.

Figure 3.3

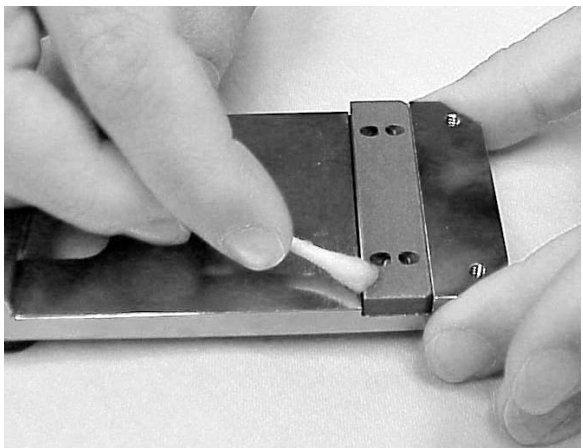


Photo #95195311

Cleaning the Blades

4. Replace the SHCS.
5. Make sure the spring is seated in the upper and lower spring pockets.
6. Close the trimmer until the upper blade contacts the lower blade. Do not use force.
7. While holding the upper and lower blades together, use a 5/32" hex wrench as a pry tool. Pry the upper blade away from the lower blade (Figure 3.4).
8. Using a 3/32" hex wrench, replace the SHCS on the bottom of the trimmer.

Figure 3.4



Photo #95195611

Rotating or Replacing the Blades

Each blade has two trimming surfaces. Follow these instructions to rotate the blades when they appear worn.

1. Using a 1/16" hex wrench, remove the two BHCS on the bottom of the trimmer (Figure 3.5). Flip the blade over so the sharp trimming edge is on the same side.
2. Replace the BHCS.
3. Using a 3/32" hex wrench, remove the two SHCS on the top trimmer. Flip the blade over so the sharp trimming edge is still on the same side.
4. Replace the SHCS.
5. Make sure the spring is seated in the upper and lower spring pockets.
6. Close the trimmer until the upper blade contacts the lower blade. Do not use force.
7. While holding the upper and lower blades together, use a 5/32" hex wrench as a pry tool. Pry the upper blade away from the lower blade (Figure 3.6).
8. Using a 3/32" hex wrench, replace the SHCS on the bottom of the trimmer.

NOTE: Follow the instructions on this page to replace the blades if all trimming surfaces are worn.

Figure 3.5

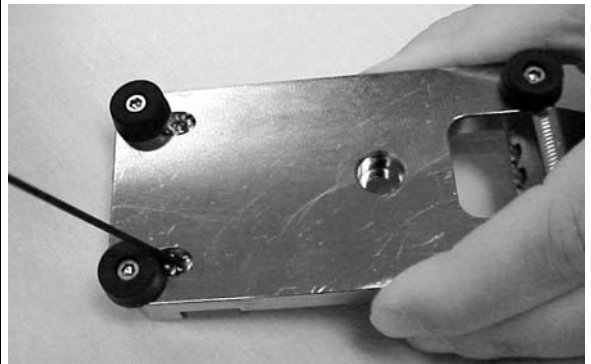


Photo #95195511

Figure 3.6



Photo #95195611

TS-100 Tape Splicer

Document List

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Ch. 2 Description and Operation	Pages 5 - 10	61539213.fm
Ch. 3 Trimmer Maintenance	Pages 11 - 14	61577110.fm
Service and Parts Contacts	Page 1 of 1	61153915.fm
	This document	61540025.fm
Warranty Document	Page 1 of 1	WI201.16 Rev. 4
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EXPRESS WARRANTY, EXCLUSION AND DISCLAIMER OF UNSTATED WARRANTIES AND LIMITATION OF LIABILITY

1. V-TEK, Inc (V-TEK) warrants for one year from date of receipt by end user that equipment manufactured by V-TEK will be free of defects in workmanship and materials.
2. All integrated products purchased by V-TEK and integrated on to V-TEK equipment shall be covered in accordance with the manufacturer's pass through warranty and limited in costs equal to the amount of the manufacturer's pass through warranty.
3. V-TEK's obligation under this warranty applies only to the original Customer and commences when V-TEK is notified of name, address of Customer, and date of receipt of equipment.
4. During the warranty period, V-TEK will replace any defective nonconsumable parts returned for that purpose to the designated V-TEK Replacement Parts Center or at V-TEK's option, refund original cost of equipment.
5. Authorization to return Articles purchased from V-TEK must be obtained by Customer before return shipping commences.
6. Credit may be granted, less an appropriate restocking charge of 15 to 20% of invoice amount, depending on the reason for the return and condition of the Articles.
7. Returns should always be carefully packed in original shipping carton and sent via ground service. V-TEK does not assume any liability for damage incurred during shipment.
8. For the first 30 days that you own your V-TEK product, V-TEK will be responsible for ground shipments to and from V-TEK's facility in Mankato, MN, U.S.A. or its designate. For the remainder of your warranty V-TEK will pay freight for returning your product to you after its repair.
9. Customer shall bear all charges for customs duty fees or freight above the ground rate or for articles returned which are not defective.
10. Collect shipments will not be accepted.
11. Insurance coverage during shipping is the responsibility of the Customer. V-TEK does not assume any liability for damage incurred during shipment.
12. The warranty applies only to normal use of the equipment and shall be void if V-TEK determines that defects in or failures of the equipment were caused by the Customer's negligence including the lack of proper preventative maintenance, misuse or accident or by unauthorized repair, alteration or installation.
13. This Warranty does not extend to consumable items or mechanical parts subject to normal wear.
14. Customer's exclusive remedy for claims against V-TEK shall be the repair or replacement of defective equipment and parts.
15. Any modification to the standard configuration of this equipment as delivered will void the warranty, unless V-TEK personnel make the modification.

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PASS THROUGH WARRANTIES ARE AVAILABLE FROM THE RESPECTIVE MANUFACTURERS.

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