Instructions and Parts List

AccuGlide™

SMT (Right Hand)

and

SMT (Left Hand)

Taping Heads Model 18800

34-7004-7434-8(D102.025)R1

Litho in U.S.A.

3M Masking and Packaging Systems Division
3M Center Bldg. 220-8W-01
St. Paul, MN 55144-1000

To Our Customers:

This is the 3M-Matic™/AccuGlide™/Scotch™ brand equipment you ordered. It has been set up and tested in the factory with "Scotch" brand tapes. If technical assistance or replacement parts are needed, call or Fax the appropriate number listed below.

Included with each machine is an Instructions and Parts List manual.

Technical Assistance:

3M-Matic™ Helpline – 1-800/328 1390. Please provide the customer support coordinator with the machine number, machine type/model and serial number. If you have a technical question that does not require an immediate response, you may Fax it to 715/381 0248.

Replacement Parts and Additional Manuals

Order parts by part number, part description and quantity required. Also, when ordering parts and/or additional manuals, include machine name, number and type. A parts order form is provided at the back of this manual.

3M/Tape Dispenser Parts
241 Venture Drive
Amery, WI 54001-1325

1-800/344 9883
FAX# 715/268 8153

Minimum billing on parts orders will be $25.00. Replacement part prices available on request.
$10.00 restocking charge per invoice on returned parts.
Note : Outside the U.S., contact the local 3M subsidiary for parts ordering information.

3M

3M Packaging Systems Division
3M Center, Building 220-8W-01
St. Paul, MN 55144-1000

To Our Customers:

This is the 3M-Matic™/AccuGlide™/Scotch™ brand equipment you ordered. It has been set up and tested in the factory with "Scotch" brand tapes. If any problems occur when operating this equipment, and you desire a service call, or phone consultation, call, write or Fax the appropriate number listed below.

Included with each machine is an Instructions and Parts List manual.

SERVICE, REPLACEMENT PARTS AND ADDITIONAL MANUALS AVAILABLE DIRECT FROM:

Order parts by part number, part description and quantity required. Also, when ordering parts and/or additional manuals, include machine name, number and type.

3M

3M Packaging Systems Division

3M Center, Building 220-8W-01
St. Paul, MN 55144-1000
1-800/328 1390

Printed in U.S.A.

Instruction Manual
SMT Taping Head (Right Hand)
SMT Taping Head (Left Hand)
Model 18800

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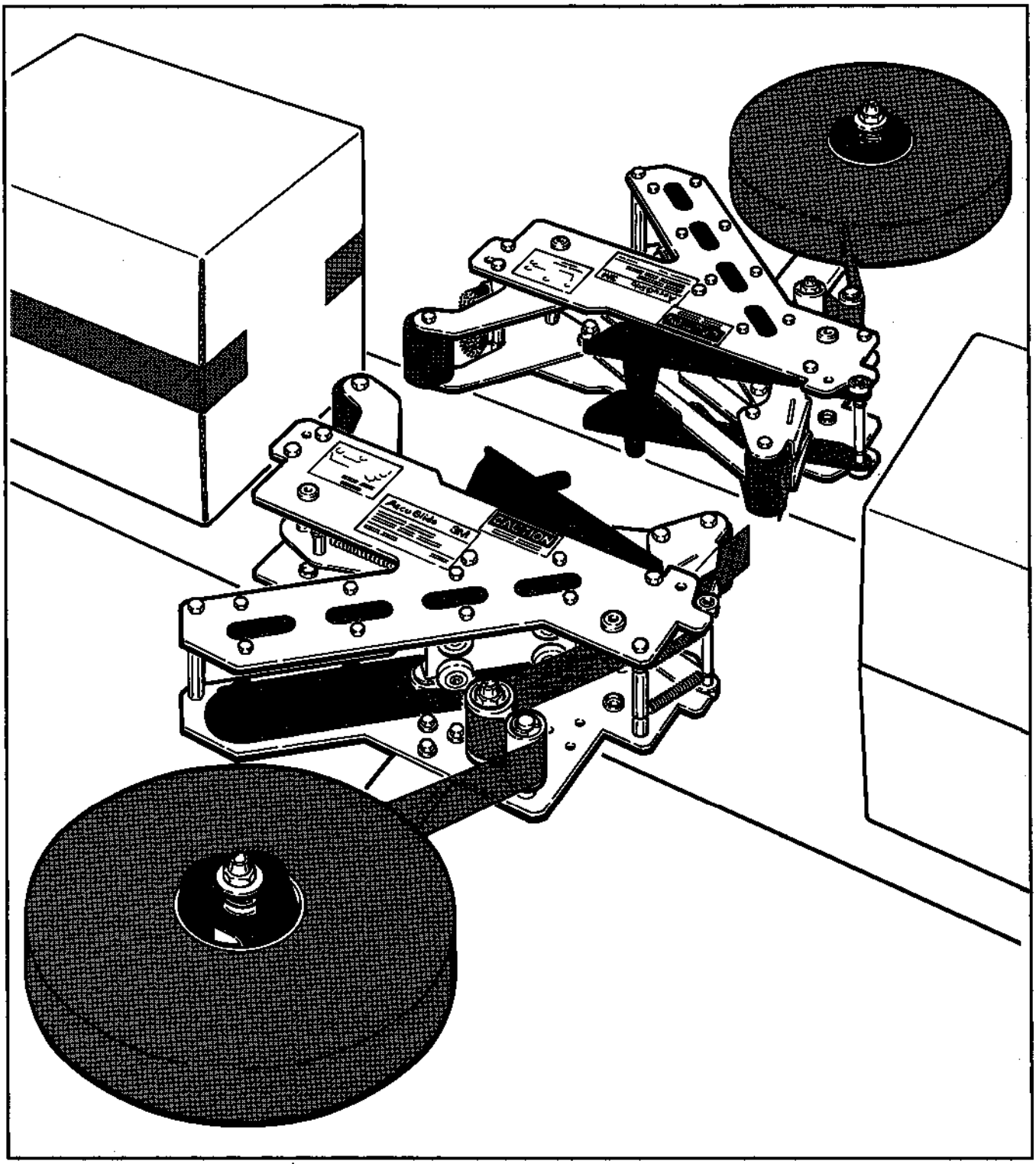


"AccuGlide" SMT Taping Heads - Model 18800

Description

The SMT Taping Heads, Model 18800, are designed for mounting horizontally to tape the sides on regular slotted containers. The compact size and simplicity makes it suitable for use in a number of side taping applications.

Receiving And Handling

After the taping head assembly has been unpackaged, examine the unit for damage that might have occurred during transit. **If damage is evident, file a damage claim immediately with the transportation company and also your 3M Representative.**

Taping Head Contents

SMT Taping Head (Right Hand)
SMT Taping Head (Left Hand)

Each Taping Head Consists Of:

Qty.	Part Name
1	Taping Head Assembly
1	Tape Drum and Bracket Assembly
1	Threading Tool

Equipment Warranty and Limited Remedy: THE FOLLOWING WARRANTIES ARE MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, A CUSTOM OR USAGE OF TRADE:

3M Sells its **AccuGlide™ SMT Taping Head, Model 18800** with the following warranties:

1. The Taping Head knife blades, springs and rollers will be free from all defects for ninety (90) days after delivery.
2. All other Taping Head parts will be free from all defects for three (3) years after delivery.

If any part is proved to be defective within the warranty period, then the exclusive remedy and 3M's and seller's sole obligation shall be, at 3M's option, to repair or replace the part, provided the defective part is returned immediately to 3M's factory or an authorized service station designated by 3M. A part will be presumed to have become defective after the warranty period unless the part is received or 3M is notified of the problem no later than five (5) calendar days after the warranty period. If 3M is unable to repair or replace the part within a reasonable time, then 3M, at its option, will replace the equipment or refund the purchase price. 3M shall have no obligation to provide or pay for the labor required to install the repaired or replacement part. 3M shall have no obligation to repair or replace (1) those parts failing due to operator misuse, carelessness, or due to any accidental cause other than equipment failure, or (2) parts failing due to non-lubrication, inadequate cleaning, improper operating environment, improper utilities, or operator error.

Limitation of Liability: 3M and seller shall not be liable for direct, indirect, special, incidental or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability or any other legal theory.

The foregoing Equipment Warranty and Limited Remedy and Limitation of Liability may be changed only by a written agreement signed by authorized officers of 3M and seller.

Specifications

The specifications below apply to all Right and Left Hand SMT Taping Heads.

1. **Tape:**

   For use with "Scotch" brand pressure-sensitive film box sealing tapes.

2. **Tape Width:**

   1-1/2 inches or 36 mm minimum to 2 inches [50 mm] maximum.

3. **Tape Roll Diameter:**

   Up to 15 1/2 inches [395 mm] maximum on a 3 inch [76,2 mm] diameter core. (Accommodates all system roll lengths of "Scotch" brand film tapes.)

4. **Tape Application Leg Length:**

   2 3/4 inches $\pm$ 1/4 inch [70 mm $\pm$ 6 mm]

5. **Box Size Capacities:**

   For use with center seam regular slotted containers.

	Minimum	Maximum
Length	6 inches [150 mm]	Unlimited
Height	4 3/4 inches [120 mm]	Unlimited
Width	7 inches [175 mm]	Unlimited

6. **Operating Rate:**

   SMT Taping Heads can be used for side taping applications at conveyor speeds up to 80 ft/min.

7. **Operating Conditions:**

   Use in dry, relatively clean environments at 40° to 105° F [5° to 40° C] with clean, dry boxes.

IMPORTANT SAFEGUARD

Taping heads should not be washed down or subjected to conditions causing moisture condensation on components.

8. **Taping Head Dimensions:**

   A. Length - 16 1/2 inches [420 mm]
   B. Height - 26 7/8 inches [680 mm]
   C. Width - 5 3/8 inches [135 mm]
   D. Weight - Packaged: 18 lbs. [8,2 kg]
   Unpackaged: 16 lbs. [7,2 kg]

Assembly Procedure

Tape Drum Bracket Assembly

Standard Mounting - Refer to Figure 1

Assemble the tape drum bracket assembly to the taping head as shown. **Secure** the bracket using the three screws and washers provided.

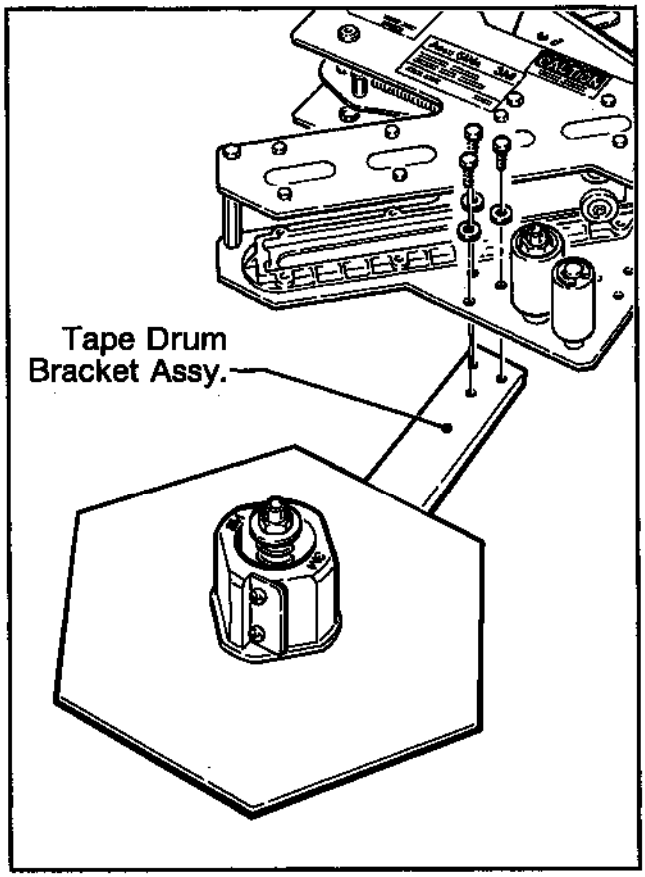


Figure 1 - Tape Drum Bracket Assembly - Standard Mounting

Optional Mounting - Refer to Figure 2

Assemble the tape drum bracket assembly to the taping head as shown. **Secure** the bracket using the three screws and washers provided.

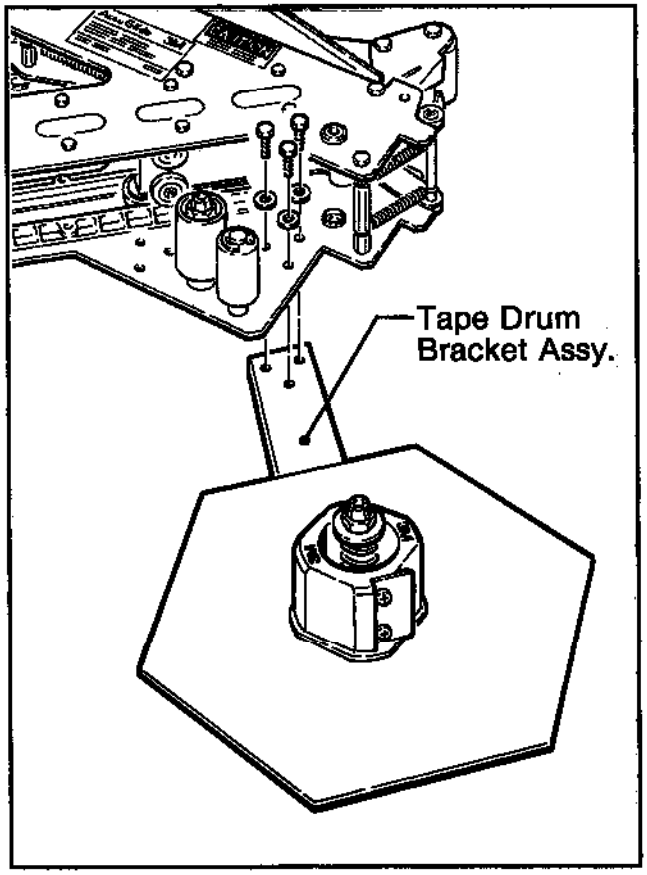


Figure 2 - Tape Drum Bracket Assembly - Optional Mounting

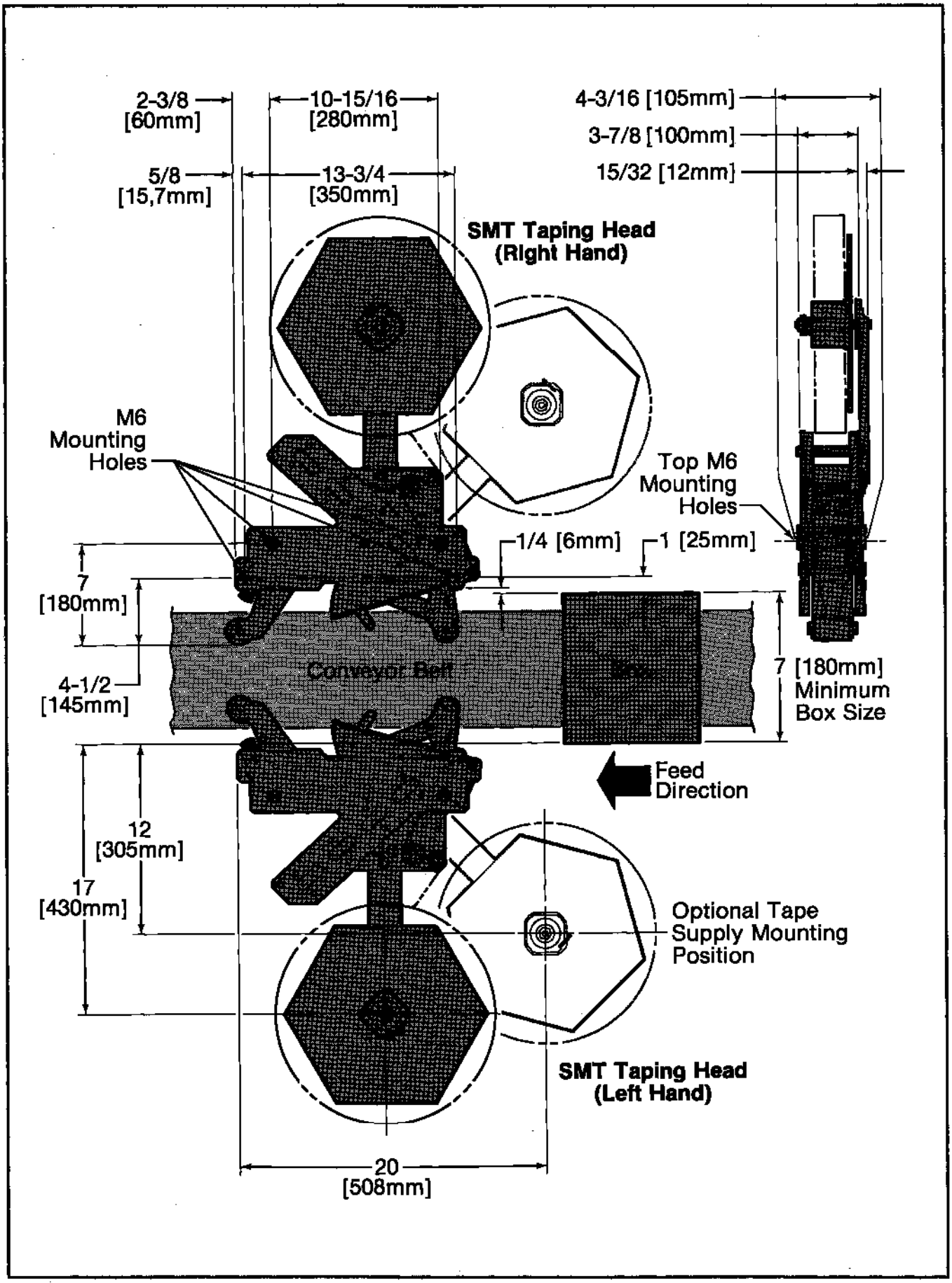


Figure 3 - Taping Head Assemblies - Typical Mounting - Top View

Installation

IMPORTANT SAFEGUARDS

1. **BOTH THE SMT TAPING HEADS UTILIZE AN EXTREMELY SHARP KNIFE BLADE ON THE ORANGE CUTTER LEVER ASSEMBLY THAT IS LOCATED UNDER THE BLADE GUARD WHICH HAS THE "CAUTION - SHARP KNIFE" LABEL. BEFORE WORKING WITH THE TAPING HEADS OR ATTEMPTING TO LOAD THE TAPE, REFER TO FIGURES 4A AND 4B AND IDENTIFY THE BLADE LOCATION. KEEP HANDS OUT OF THESE AREAS EXCEPT AS NECESSARY TO SERVICE THE TAPING HEADS.**

2. **NEVER ATTEMPT TO WORK ON THE TAPING HEADS OR LOAD TAPE WHEN THE CONVEYING SYSTEM IS RUNNING.**

The SMT taping heads can be used in converting existing or in custom made machinery. It can be mounted for Right Hand and Left Hand side taping. Refer to box size specifications on page 3 and figure 3 on page 5, for the following points in making such installations:

1. The box conveying system must positively propel the box in a continuous motion, **not exceeding 80 feet per minute,** past the taping head assembly since the box motion actuates the taping mechanism.

2. If a pusher or cleated conveyor is being used, steps should be taken in the conveyor design to **prevent the pusher from contacting the applying or buffing roller arms resulting in damage to the taping head.**

3. Figure 3 illustrates the typical mounting relationship for opposing taping head assemblies to allow taping of box widths down to 7 inches or 180 mm. **To tape box widths down to 2 3/4 inches [70 mm], the taping head assemblies must be completely staggered so only one tape seal is being applied at one time.**

4. Two (2) mounting holes (M6 Dia) are provided in each taping head, but special installations may require alternate means for mounting. The Taping Head must be well supported, perpendicular to the box.

5. Box hold-down skis should be provided above the box. Box guide skis should be provided on sides of box which guide product a distance of 1/4 inch [6 mm] from taping head side frames.

6. The taping heads provide **two mounting positions** for the tape drum bracket, as shown in figure 3.

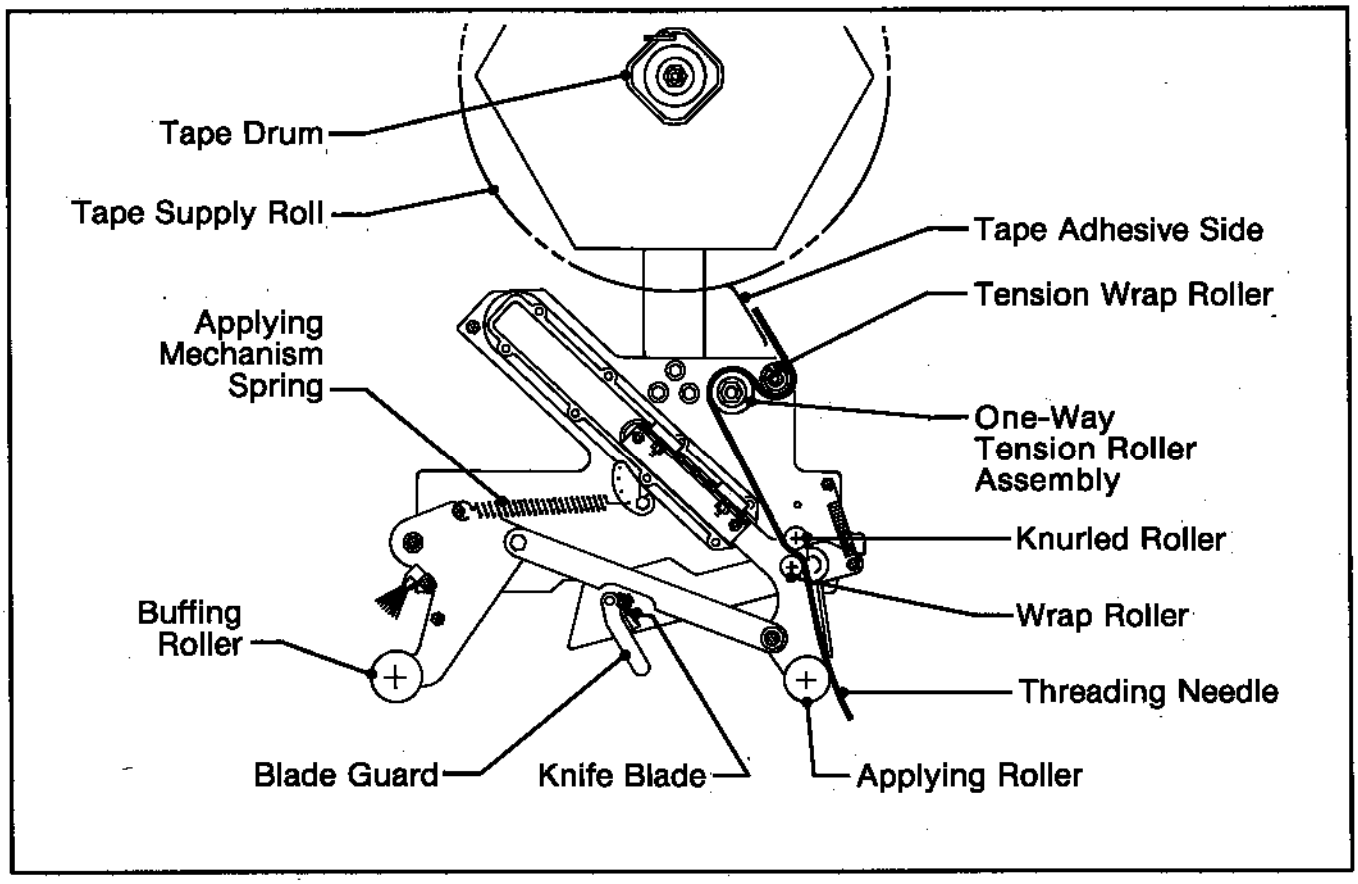


Figure 4A – Tape Threading Diagram – Right Hand Taping Head – Top View

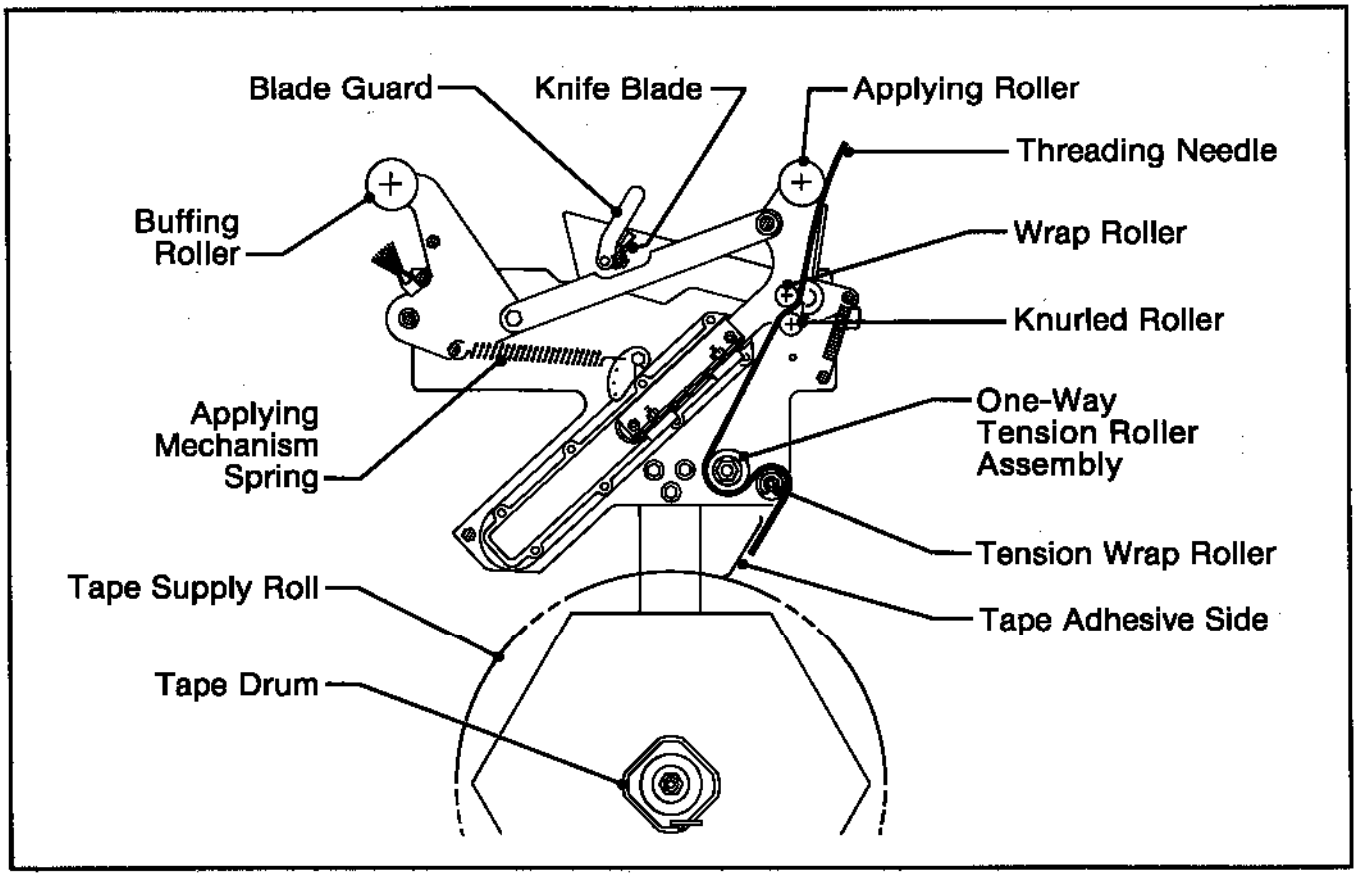


Figure 4B – Tape Threading Diagram – Left Hand Taping Head – Top View

Set-Up Procedure (Continued)

Tape Loading

The taping head accommodates up to 2 inch [50 mm] wide tape rolls. To apply 1 1/2 inch or 36 mm or 1 3/4 inch or 42 mm wide tapes, refer to "Adjustments" Section for set-up information.

One red plastic threading needle is provided with the taping head and it is recommended that the detailed instructions and sketches in this manual be referred to the first few times the unit is loaded and until the operator becomes thoroughly familiar with the tape loading operation.

⚠ WARNING - NEVER ATTEMPT TO WORK ON THE TAPING HEADS OR LOAD TAPE WHEN THE CONVEYING SYSTEM IS RUNNING. PERSONNEL INJURY OR EQUIPMENT DAMAGE CAN POTENTIALLY RESULT.

Top Taping Head

Refer to Figures 4A, 4C and 4D

1. Insert the red plastic needle around rollers as illustrated.

2. Place tape roll on drum to dispense tape from botom of roll toward tension wrap roller with tape adhesive side in. Seat tape roll fully against back flange of drum. Adhere tape lead end to end of threading needle as shown.

3. Manually turn tape roll to create slack tape while pulling threading needle through tape applying mechanism until needle is through and tape is in alignment with applying roller.

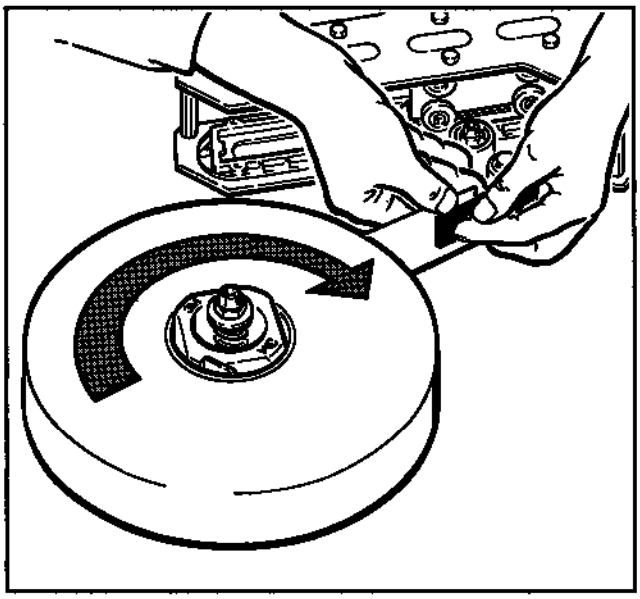


Figure 4C

⚠ WARNING - USE CARE WHEN WORKING NEAR BLADES AS BLADES ARE EXTREMELY SHARP. IF CARE IS NOT TAKEN, SEVERE INJURY TO PERSONNEL COULD RESULT.

4. Excess tape can be cut with a scissors or knife at applying roller.

Bottom Taping Head

Refer to Figures 4B, 4C, and 4D

The bottom taping head is loaded and threaded in the same manner as the top taping head. Follow the top taping head tape loading procedure to complete the tape threading.

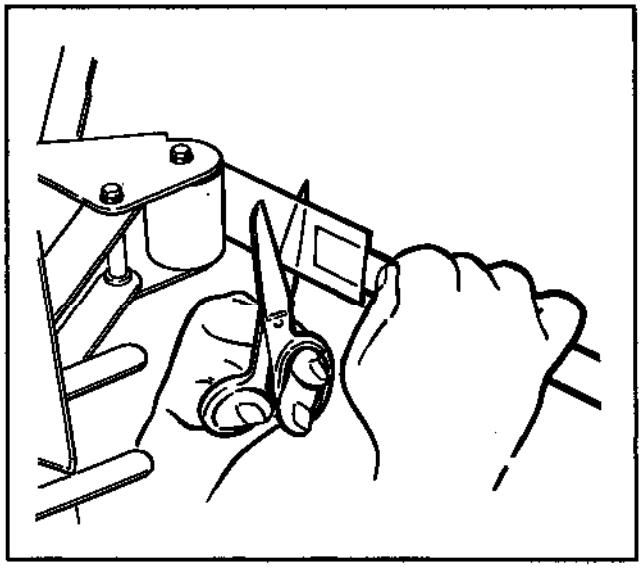


Figure 4D

Adjustments

Tape Web Alignment - Refer to Figure 5

The tape drum assembly on each taping head is **pre-set to accommodate 2 inch [50 mm] wide tape,** but is adjustable to provide alignment of narrower tapes. If adjustment is necessary to center the tape width on the centerline of the taping head, (and therefore box center seam), make adjustment as follows:

1. **Loosen** hand knob behind tape drum bracket on tape drum shaft.
2. **Turn tape drum shaft** in or out to center the tape web.
3. **Tighten** hand knob to secure the adjustment.

No other components require adjustment for tape web alignment.

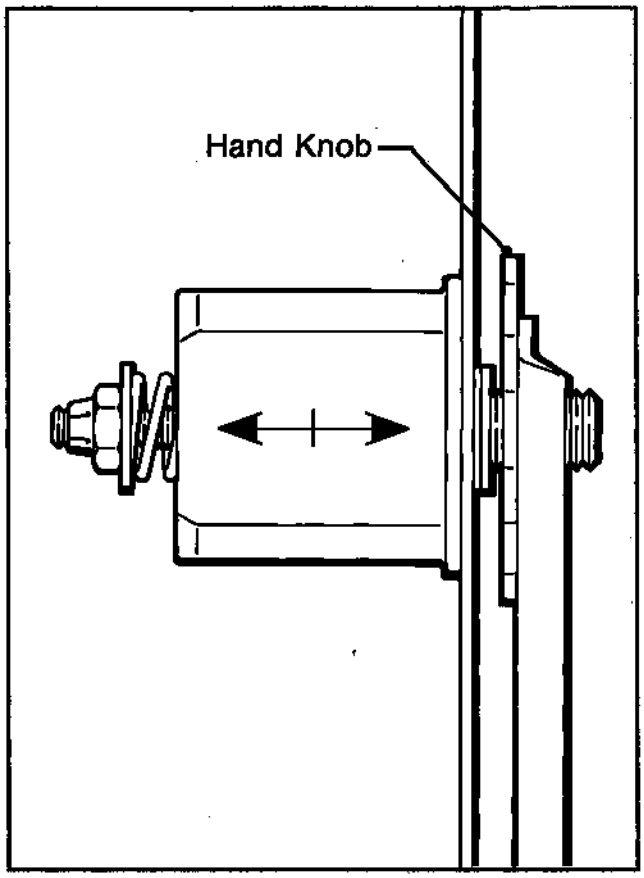


Figure 5

Friction Brake - Refer to Figure 6

The tape drum friction brake on each taping head is **pre-set** for normal operation to prevent tape roll over travel. Should tension adjustment be required, **turn the self-locking nut on the shaft to vary compressison of the spring.** Turn the nut **clockwise** to **increase** the braking force, and **counterclockwise to decrease** the braking force. Adjust to minimum drag that prevents excessive tape roll over travel.

> Note - excess braking force will cause poor tape applications and lead to tape tabbing on the trailing tape leg.

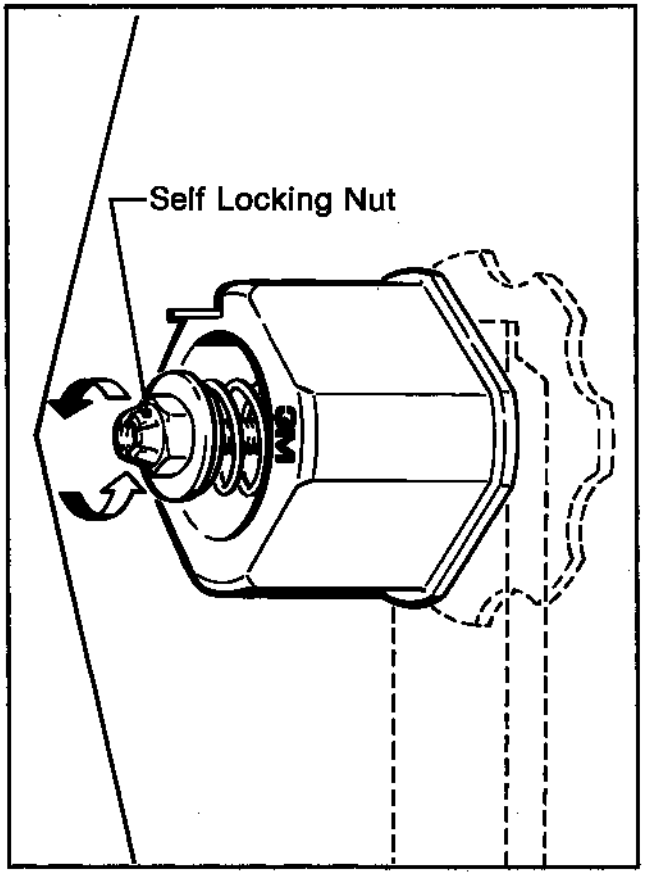


Figure 6

Adjustments (Continued)

Applying Mechanism Spring

The applying mechanism spring, shown in Figures 4 and 4A, controls applying and buffing roller pressure on the box and returns the mechanism to the reset position. The spring pressure is pre-set, as shown in Figure 7, for normal operation but is adjustable.

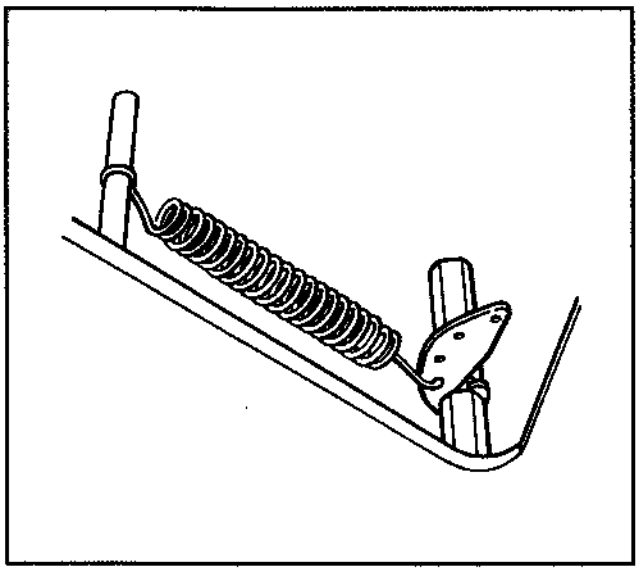


Figure 7

Removing the spring end loop from the spring holder and placing loop in other holes provided, as shown in Figure 8, will decrease the spring pressure.

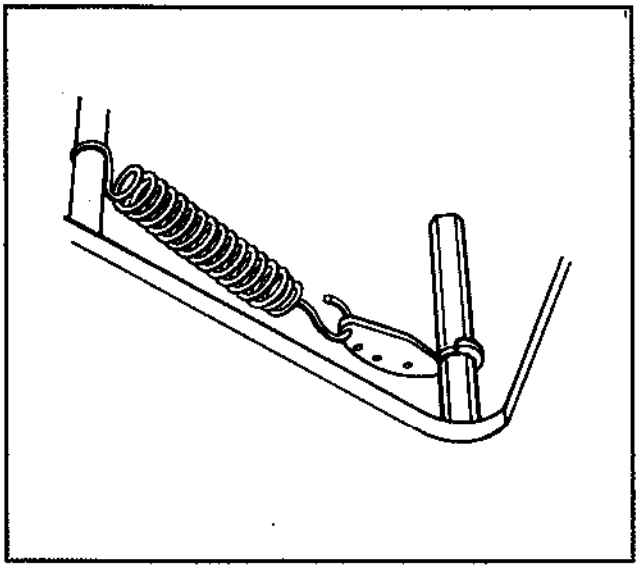


Figure 8

One Way Tension Roller Assembly

The one way tension roller, shown in Figures 4 and 4A, is pre-set for normal operation. Should the one way tension roller assembly require replacement, the roller must have 1 pound [0,5 kg] tangential force when turning as illustrated in Figure 9.

To Test Tangential Force:

1. Wrap a cord or small strap (non-adhesive) 4-6 turns around the tension roller.
2. Attach a spring scale to the end of the cord or strap.
3. Turn the adjusting nut until a force of approximately 1 pound [0,5 kg] is reqired to turn the roller by pulling on the spring scale.

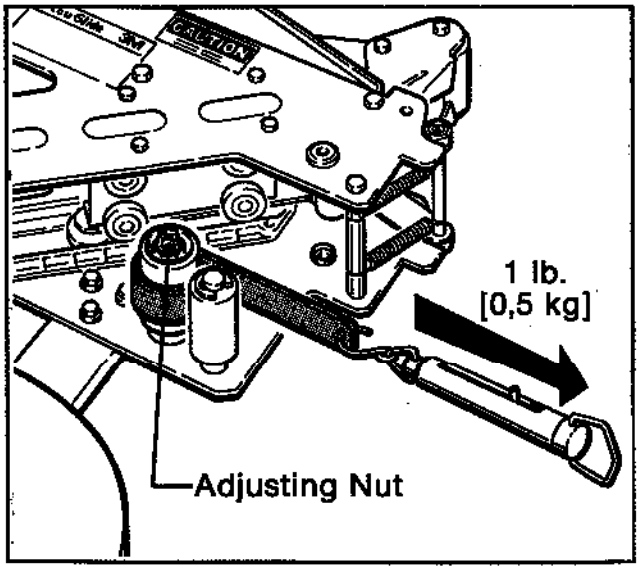


Figure 9

Maintenance

The taping head has been designed for long, trouble free service. The taping head will perform best when it receives routine maintenance and cleaning. Taping head components that fail or wear excessively should be promptly repaired or replaced to prevent damage to other portions of the head or to the product.

⚠ WARNING - TURN OFF ELECTRICAL POWER AND/OR AIR SUPPLY BEFORE BEGINNING MAINTENANCE. IF ELECTRICAL AND AIR POWER SUPPLY ARE NOT TURNED OFF, SEVERE INJURY TO PERSONNEL COULD RESULT.
USE CARE WHEN REPLACING BLADES AS BLADES ARE EXTREMELY SHARP. IF CARE IS NOT TAKEN, SEVERE INJURY TO PERSONNEL COULD RESULT.

Blade Replacement

Refer to Parts Illustrations (yellow pages), Figure 1148.

1. Loosen, but do not remove, the blade screws (16) holding the blade. Remove the old blade.

2. Position the new blade with the beveled side toward the blade holder. Tighten the blade screws to secure the blade.

The same steps are followed on both taping heads. Connect the main power supply.

Cleaning Of The Taping Heads

⚠ CAUTION - NEVER ATTEMPT TO REMOVE DIRT FROM TAPING HEADS BY BLOWING IT OUT WITH COMPRESSED AIR. THIS CAN CAUSE THE DIRT TO BE BLOWN INSIDE THE COMPONENTS, ONTO SLIDING SURFACES. DIRT IN THESE AREAS CAN CAUSE SERIOUS EQUIPMENT DAMAGE. NEVER WASH DOWN OR SUBJECT TAPING HEADS TO CONDITIONS CAUSING MOISTURE CONDENSATION ON COMPONENTS. SERIOUS EQUIPMENT DAMAGE COULD RESULT.

Regular slotted containers produce a great deal of dust and paper chips when conveyed through the taping heads. If this dust is allowed to build-up on the heads, it can cause wear on the moving components. Excessive dirt build-up should be wiped off with a damp cloth. Cleaning should be done once per month, depending on the number and type of boxes used. If the boxes used are dirty, or if the environment in which the heads operate is dusty, cleaning on a more frequent basis may be necessary.

Cut-Off Blade

Should tape adhesive build-up occur, carefully wipe clean with oily cloth.

Blade Oiler Pad

The taping heads are equipped with a blade oiler pad that has been pre-lubricated at the factory to provide a film of oil on the cut-off blade to reduce adhesive build-up. Apply SAE #30 non-detergent oil as needed. Do not saturate.

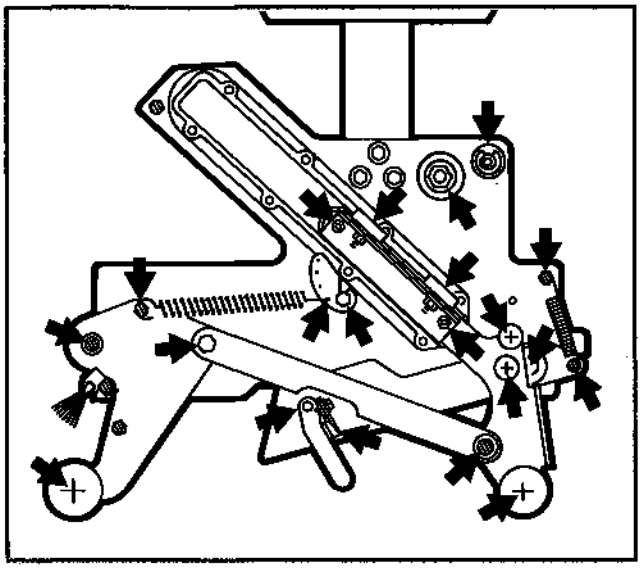


Figure 10 - Lubrication Points - Right and Left Hand Taping Heads

Lubrication

Like most other equipment, the taping head must be properly lubricated to insure long, trouble free service.

Figure 10 illustrates points which **should be lubricated every 3 months or 150,000 machine cycles, which ever comes first.** Lubricate the rotating and pivoting points noted by the arrows with **SAE #30 non-detergent oil.** At the same time, a small amount of **multipurpose grease** should be applied to the guides and to the end of each spring where the loop is secured at an eyelet, post, or hole.

⚠ CAUTION - WIPE OFF EXCESS OIL AND GREASE: IT WILL ATTRACT DUST AND DIRT WHICH CAN CAUSE PREMATURE EQUIPMENT WEAR AND JAMMING. TAKE CARE THAT OIL AND GREASE ARE NOT LEFT ON THE SURFACE OF ROLLERS AROUND WHICH TAPE IS THREADED, AS IT CAN CONTAMINATE THE TAPE'S ADHESIVE.

Replacement Parts And Service Information

Spare Parts

It is suggested that the following spare parts be maintained which will require replacement under normal wear of the taping head.

Qty.	Ref. No.	Part Number	Description
1	1148-2	78-8017-9173-8	Blade - 2.56 inch/65 mm
1	1148-5	78-8052-6598-6	Spring - Tension
2	1148-10	78-8052-6602-6	Spring - Cutter
1	1198-5	78-8057-6178-6	Roller - Buffing
1	1198-11	78-8054-8550-1	Spring - Lower Extension
1	2323-6	78-8057-6179-4	Roller - Applying

How To Order Replacement Parts

1. Order parts by part number, part name, machine name, model number and part quantity required.

> **Minimum billing on parts orders will be $25.00.**
> **Replacement part prices available on request.**

2. Replacement parts and part prices available direct from:

3M/Tape Dispenser Parts
241 Venture Drive
Amery, WI 54001-1325

3. For machine repair service, ship direct to:

Tape Equipment Repair Services
241 Venture Drive
Amery, WI 54001-1325

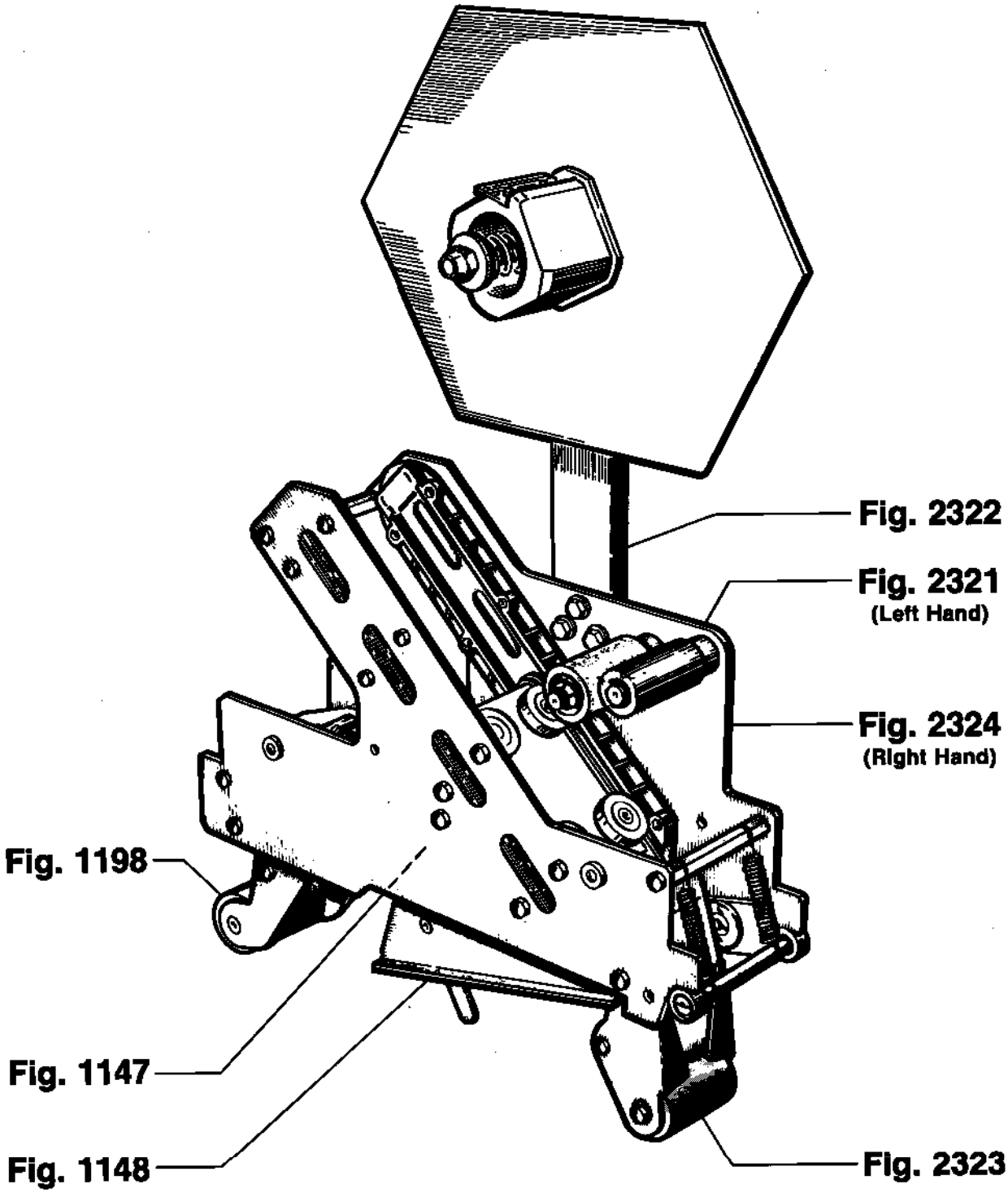
1. Refer to **Taping Head Assemblies** figure to find all the parts illustrations identified by **figure numbers.**

2. Refer to the figure or figures to determine the **individual parts** required and the **parts reference number.**

3. The **replacement parts list,** that follows each illustration, includes the **part number** and **part description** for the parts in that illustration.

> **Note** - The complete description has been included for **standard fasteners** and some commercially available **components.** This has been done to allow obtaining these standard parts locally, should the customer elect to do so.

4. Refer to page 13 - **"Replacement Parts and Service Information"** of this manual for replacement parts ordering information.



Taping Head Assemblies

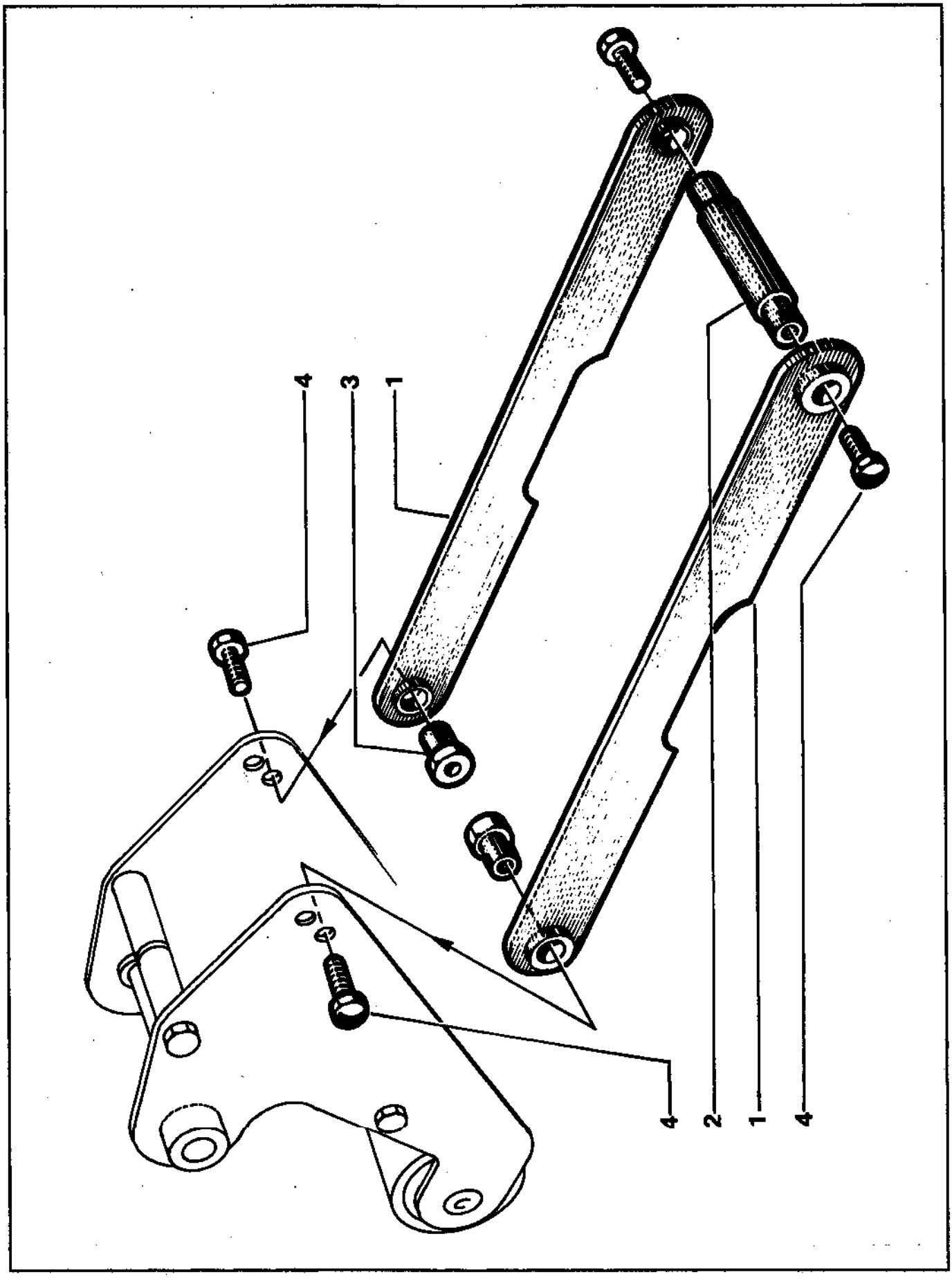


Figure 1147

Figure 1147

Ref. No.	3M Part No.	Description
1147-1	78-8052-6592-9	Arm - Link
1147-2	78-8052-6593-7	Shaft - Pivot
1147-3	78-8052-6594-5	Bushing - Pivot
1147-4	78-8010-7163-6	Screw - Hex Hd M5 x 10 Zinc Pl.

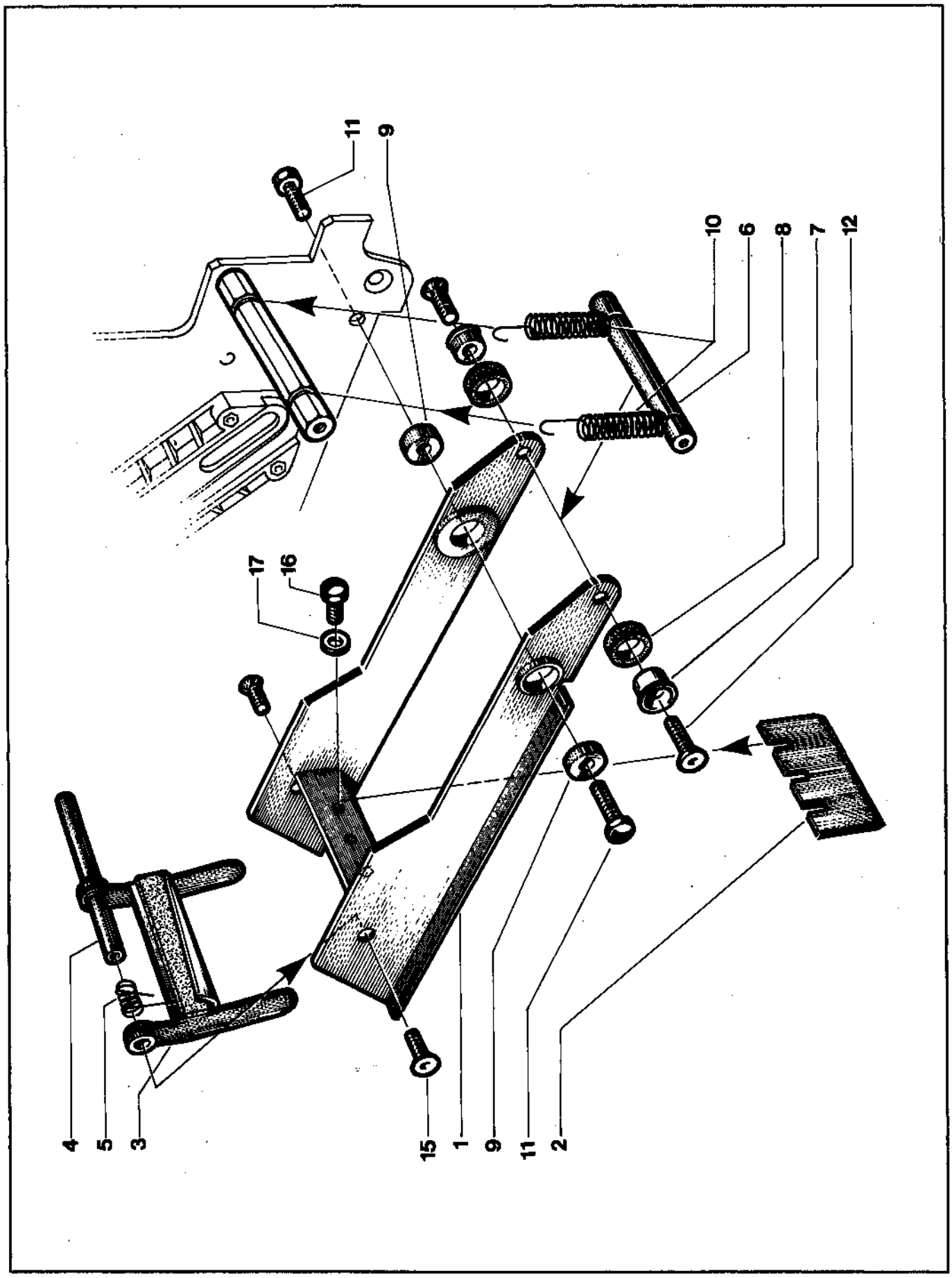


Figure 1148

Figure 1148

Ref. No.	3M Part No.	Description
1148-1	78-8060-8167-1	Bracket - Cut-off
1148-2	78-8017-9173-8	Blade - 2.56 Inch/65 mm
1148-3	78-8052-6596-0	Guard - Blade
1148-4	78-8052-6597-8	Shaft - Blade Guard
1148-5	78-8052-6598-6	Spring - Tension
1148-6	78-8017-9135-7	Shaft - Spacer
1148-7	78-8052-6600-0	Bumper
1148-8	78-8017-9133-2	Spacer
1148-9	78-8017-9132-4	Pivot - Cutter Lever
1148-10	78-8052-6602-6	Spring - Cutter
1148-11	26-1002-5829-7	Screw - Hex Hd M6 x 10 Zinc Pl.
1148-12	26-1005-4758-2	Screw - Flat Hd M5 x 20 Zinc Pl.
1148-15	26-1005-4757-4	Screw - Flat Hd M4 x 10 Zinc Pl.
1148-16	26-1002-5817-2	Screw - Hex Hd M5 x 8 Zinc Pl.
1148-17	78-8005-5741-1	Washer - Plain M5, Metric

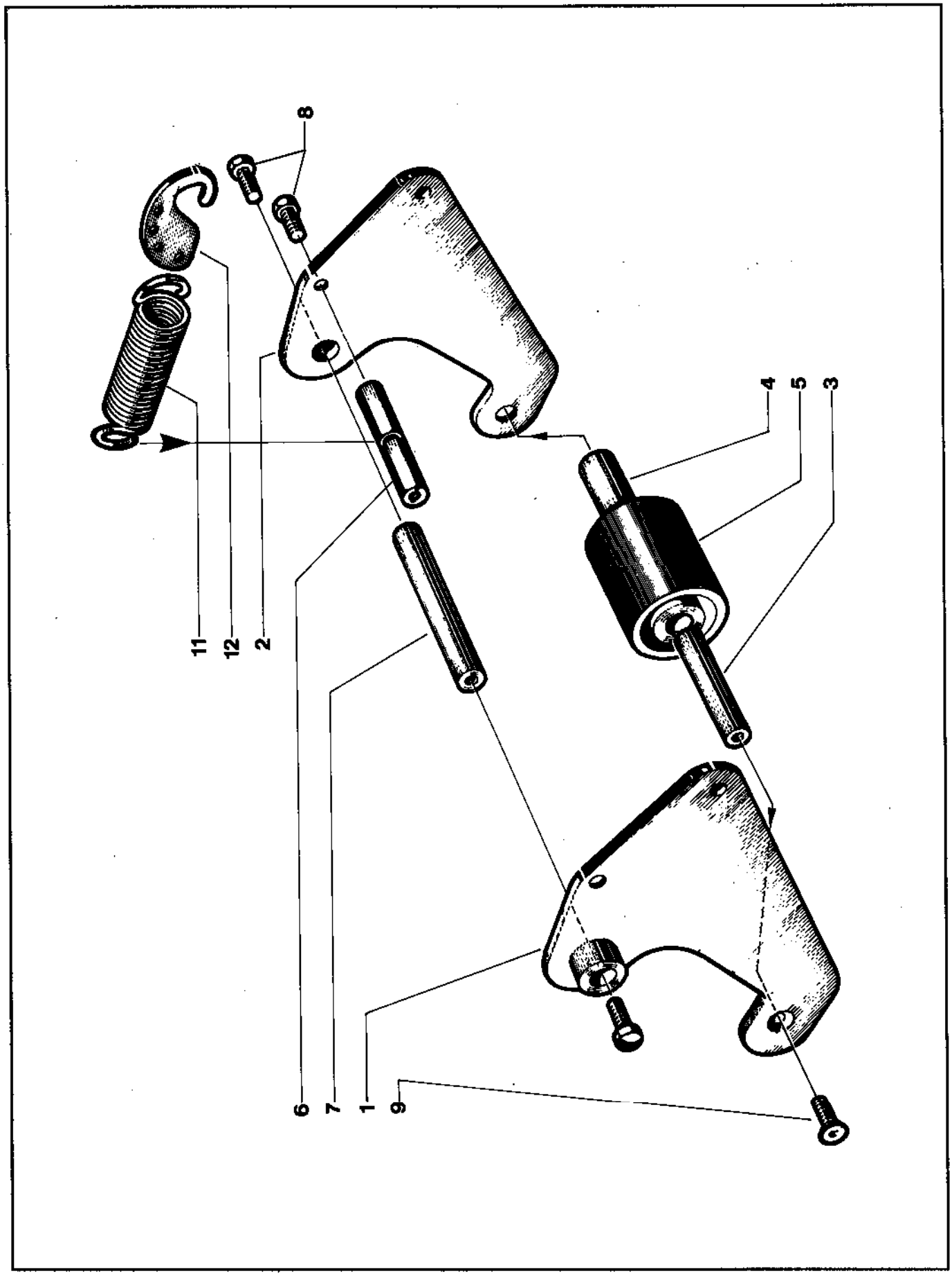


Figure 1198

Figure 1198

Ref. No.	3M Part No.	Description
1198-1	78-8052-6583-8	Frame - R/H
1198-2	78-8052-6584-6	Frame - L/H
1198-3	78-8052-6575-4	Shaft - Buffing Roller
1198-4	78-8052-6586-1	Bushing - Buffing Roller
1198-5	78-8057-6178-6	Roller - Buffing
1198-6	78-8052-6587-9	Spacer - Spring
1198-7	78-8017-9109-2	Shaft - Buffing Assy.
1198-8	26-1003-5828-7	Screw - Hex Hd M6 x 12 Zinc Pl.
1198-9	26-1005-4759-0	Screw - Flat Hd M6 x 12
1198-11	78-8054-8550-1	Spring - Bottom Ext.
1198-12	78-8052-6590-3	Holder - Spring

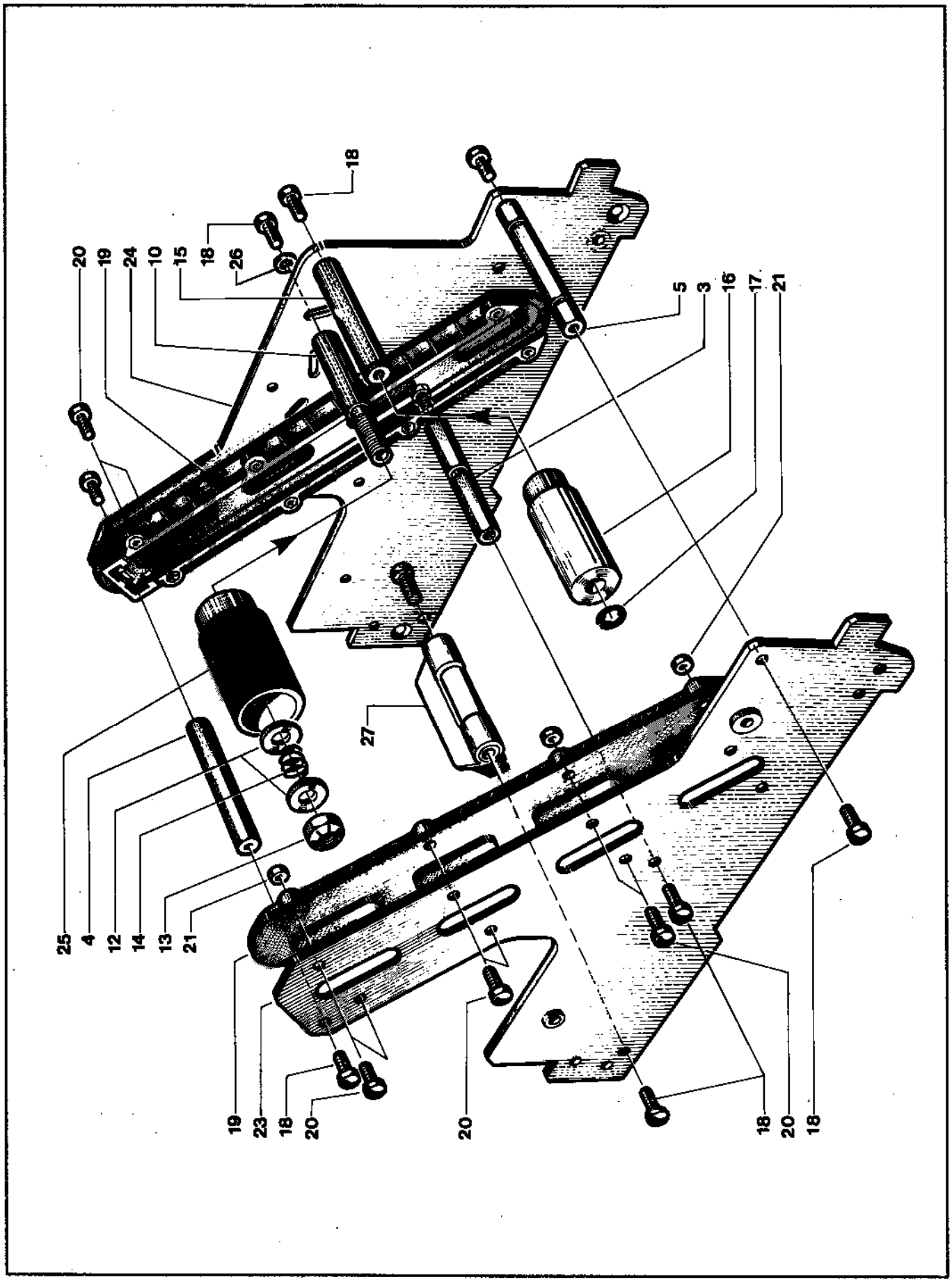


Figure 2321 Left Hand

Figure 2321

Ref.No.	3M Part No.	Description
2321-3	78-8052-6558-0	Spacer - Spring Hook
2321-4	78-8052-6559-8	Spacer - Upper
2321-5	78-8052-6560-6	Spacer - Front
2321-10	78-8052-6564-8	Shaft - Tension Roller
2321-12	78-8052-6566-3	Washer - Friction
2321-13	78-8017-9077-1	Nut - Hex
2321-14	78-8052-6567-1	Spring - Compression
2321-15	78-8052-6568-9	Shaft - Wrap Roller
2321-16	78-8052-6569-7	Roller Wrap
2321-17	26-1000-1613-3	Ring - Retaining
2321-18	26-1003-5828-7	Screw - Hex Hd M-6 x 10 Zinc Pl.
2321-19	78-8052-6570-5	Guide
2321-20	83-0002-7336-3	Screw - Hex Hd M4 x 14 Zinc. Pl.
2321-21	78-8010-7416-8	Nut - Hex M4 Zinc Pl.
2321-23	78-8052-6604-2	Frame - L/H Bottom
2321-24	78-8052-6605-9	Frame - R/H Bottom
2321-25	78-8052-6606-7	Roller - Tension Bottom
2321-26	26-1000-0010-3	Washer - Flat M6
2321-27	78-8060-7936-0	Brush Assy.

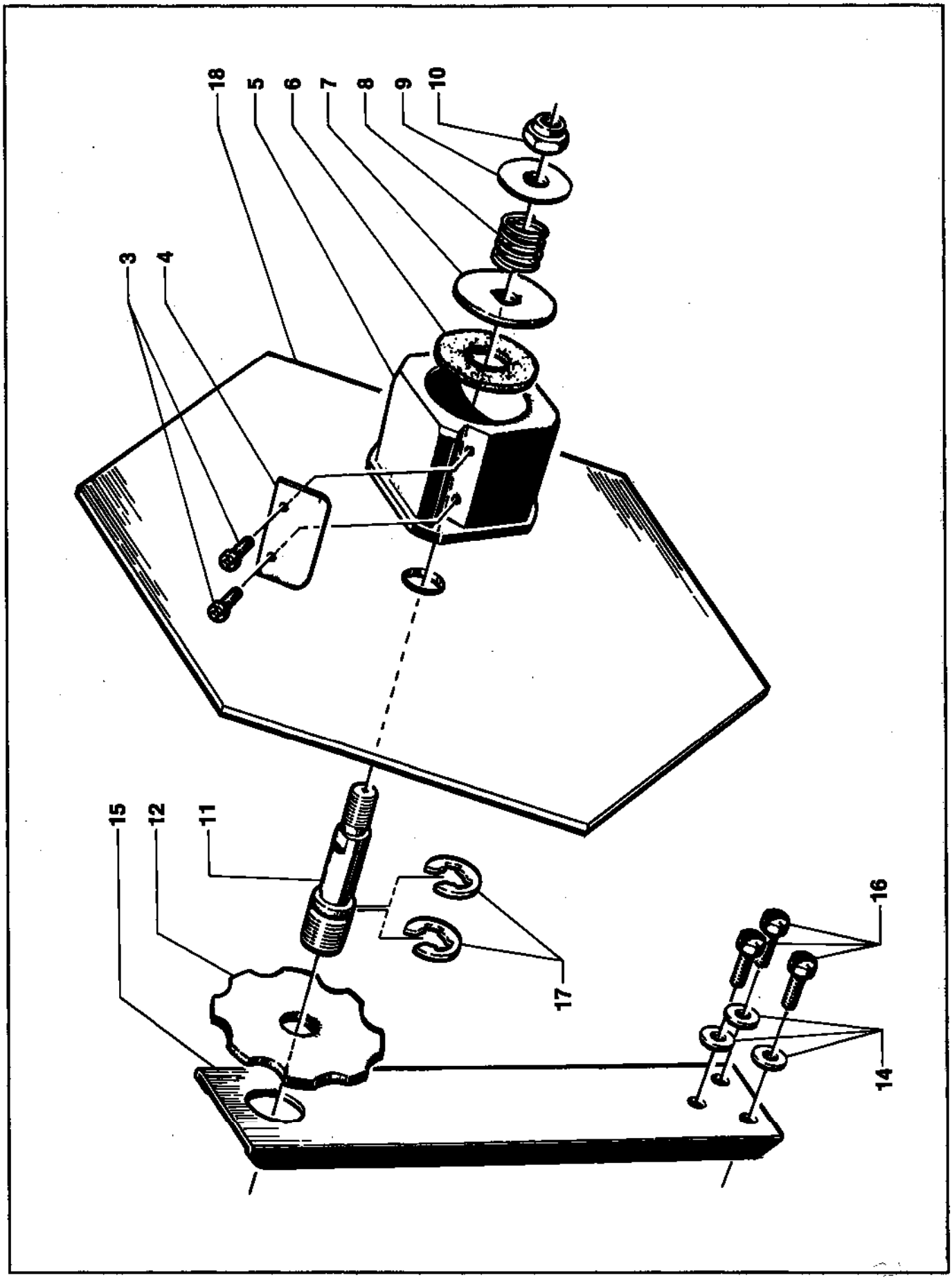


Figure 2322

Figure 2322

Ref. No.	3M Part No.	Description
2322-3	26-1002-5753-9	Screw - Self Tapping
2322-4	78-8052-6268-6	Leaf Spring
2322-5	78-8052-6269-4	Tape Drum
2322-6	78-8052-6270-2	Washer - Friction
2322-7	78-8052-6271-0	Washer - Tape Drum
2322-8	78-8017-9071-4	Spring
2322-9	78-8017-9094-6	Washer - Spring Holder
2322-10	78-8017-9077-1	Nut - Self Locking M10
2322-11	78-8052-6272-8	Shaft - Tape Drum
2322-12	78-8017-9091-2	Plate - Lockimng, Tape Drum Shaft
2322-14	26-1000-0010-3	Washer - Flat M6
2322-15	78-8052-6544-0	Bracket - Tape Drum
2322-16	26-1002-5829-7	Screw - Hex Hd M6 X 10
2322-17	78-8016-5851-5	Ring Retaining Truarc #5133-75
2322-18	78-8062-4004-6	Support - Tape Roll

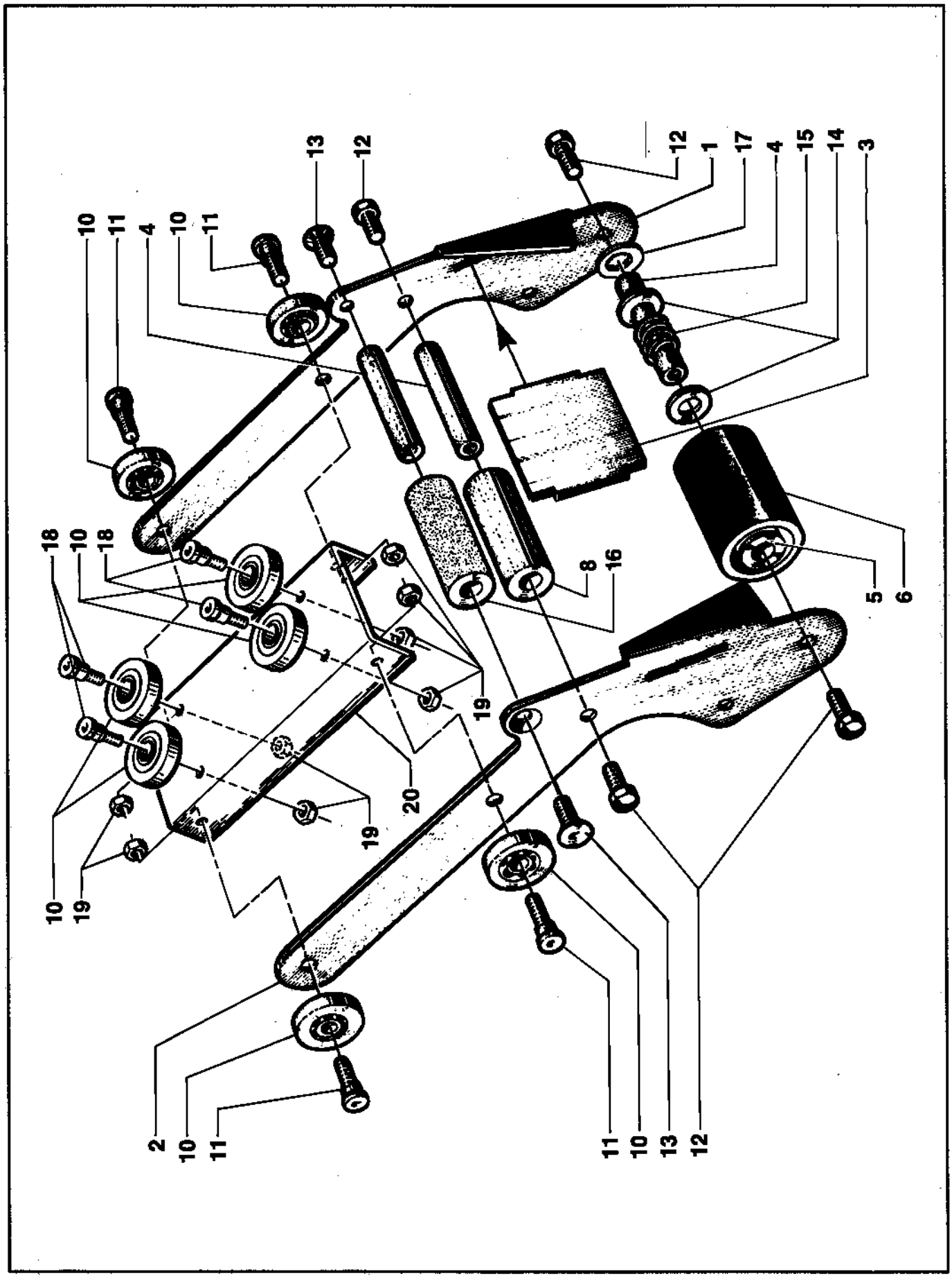

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Figure 2323

Figure 2323

Ref. No.	3M Part No.	Description
2323-1	78-8052-6572-1	Frame - Applying R/H
2323-2	78-8052-6573-9	Frame - Applying L/H
2323-3	78-8052-6574-7	Plate - Back Up
2323-4	78-8052-6575-4	Shaft - Roller
2323-5	78-8052-6576-2	Bushing - Roller
2323-6	78-8057-6179-4	Roller - Applying
2323-8	78-8052-6579-6	Roller - Wrap
2323-9	78-8052-6580-4	Spacer
2323-10	78-8017-9082-1	Bearing - Special 30 mm
2323-11	78-8017-9106-8	Screw - Bearing Shoulder
2323-12	26-1003-5828-7	Screw - Hex Hd M6 x 12 Zinc Pl.
2323-13	26-1005-4759-0	Screw - Flat Hd M6 x 12 Zinc Pl.
2323-14	78-8052-6566-3	Washer - Friction
2323-15	78-8052-6567-1	Spring - Compression
2323-16	78-8060-7942-8	Roller - Knurled
2323-17	78-8017-9074-8	Washer - Nylon 15 mm
2323-18	78-8054-8589-9	Screw - Special
2323-19	78-8010-7418-4	Nut - Hex M6 Metric
2323-20	78-8062-4005-3	Bracket - Side Mount

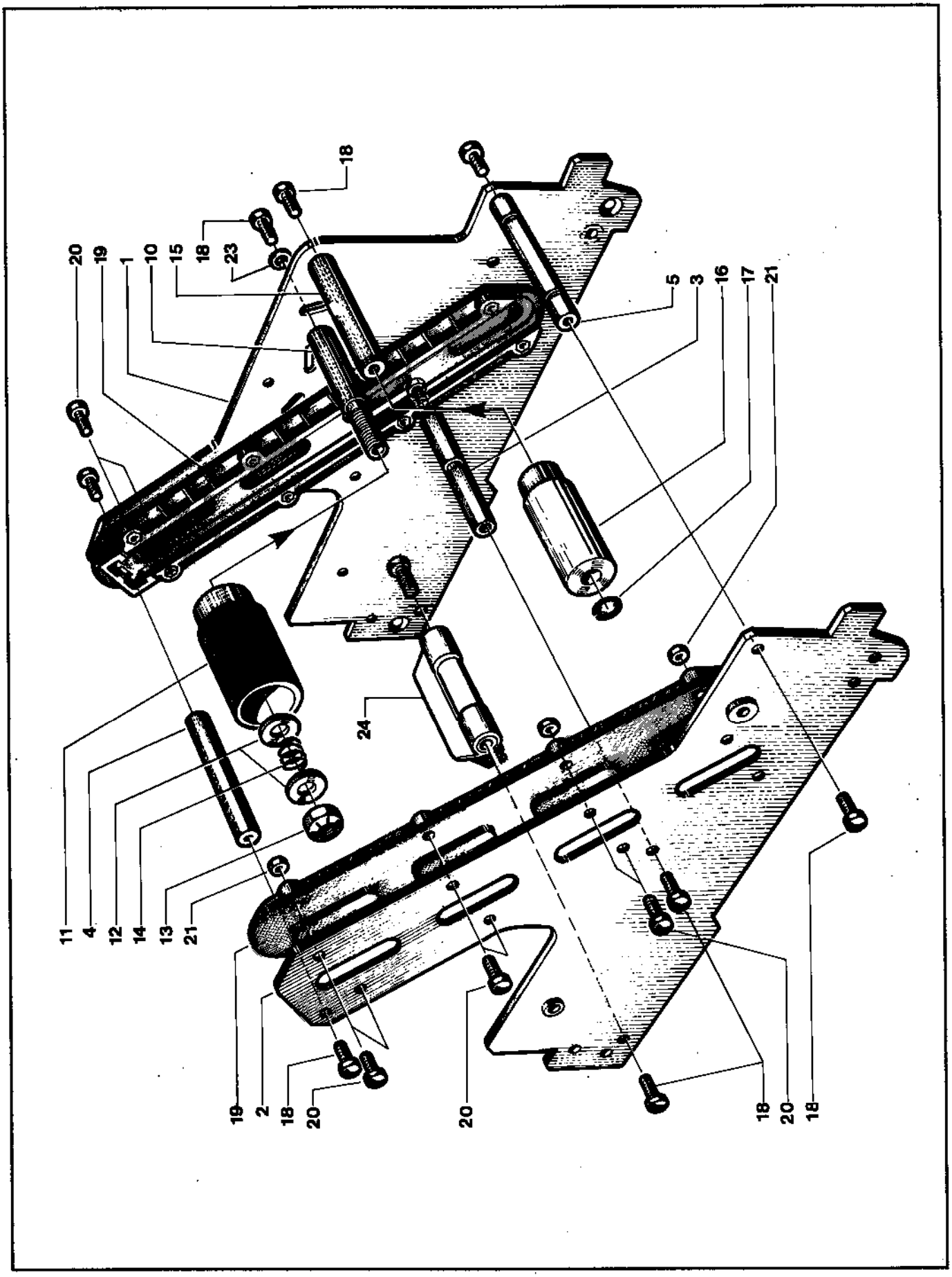

Figure 2324 Right Hand

Figure 2324

Ref. No.	3M Part No.	Description
2324-1	78-8052-6556-4	Frame - R/H Top
2324-2	78-8052-6557-2	Frame - L/H Top
2324-3	78-8052-6558-0	Spacer - Spring Hook
2324-4	78-8052-6559-8	Spacer - Upper
2324-5	78-8052-6560-6	Spacer - Front
2324-10	78-8052-6564-8	Shaft - Tension Roller
2324-11	78-8052-6565-5	Roller - Top Tension
2324-12	78-8052-6566-3	Washer - Friction
2324-13	78-8017-9077-1	Nut - Hex M10 x 1
2324-14	78-8052-6567-1	Spring - Compression
2324-15	78-8052-6568-9	Shaft - Wrap Roller
2324-16	78-8052-6569-7	Roller - Wrap
2324-17	26-1000-1613-3	Ring - Retaining, No. 10
2324-18	26-1003-5828-7	Screw - Hex Hd. M6 x 10 Zinc Pl.
2324-19	78-8052-6570-5	Guide
2324-20	83-0002-7336-3	Screw - Hex Hd. M4 x 14 Zinc Pl.
2324-21	78-8010-7416-8	Nut - Hex M4 Zinc Pl.
2324-23	26-1000-0010-3	Washer - Flat M6
2324-24	78-8060-7936-0	Brush, Assy.

3M Parts Order Form

Form 26989 - 3 - D

– Shaded Areas To Be Filled In By 3M –

Mail To: Dispenser Parts
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Via	Tax Exempt No.	Special Instructions

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	Qty.	Part Number	Description	Price
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