Operation and Maintenance Instructions for the TrimMaster Clipper

Safety Alert: Read the following instructions completely before operating the clipper. The clipper is designed for indoor use only, and should be connected to a properly grounded electrical service. **Serious injury or death from electrical shock may result from improper installation or use.**

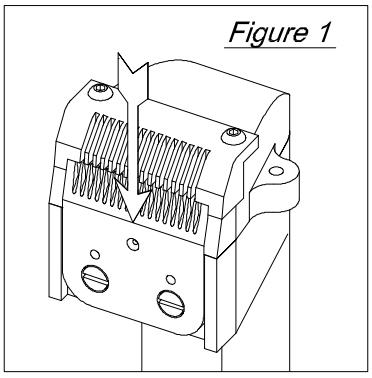
Operating the clipper

- When mounted on the Shortcut trimmer, the clipper can be positioned horizontally, vertically or at any point within that 90° range, using the clipper adjusting knob at the base of the trimmer. The face of the clipper can also be rotated for the optimum convenience of the operator.

  - When the clipper is in a fixed mount (Ex. Shortcut trimmer, Model A thread trimming station), pass the product smoothly and tightly over the clipper in one direction only—INTO THE CLIPPER TEETH.

  - When the clipper is suspended for hand held trimming (Ex. Model QR/XB trimmer), the clipper only trims thread when it is being moved straight ahead.

  - Trimming will only result when the product is passed over the clipper in the direction indicated by the arrow in Figure 1.



  - Caution: Do not run the clipper into metal or plastic parts. These can break the clipper teeth. To avoid trimming too close, hold the metal or plastic part in the hand while trimming.

- Regulating the amount of air pulled through the clipper may improve clipper performance. When working with the clipper on a thread trimming station, adjust the suction -regulating collar (TMT-21071) at the base of the clipper. When working with the Shortcut trimmer and vacuum, the vacuum adjustment is located on top of the canister vacuumthe clipper.

Removing lint from the blade

- Unscrew the two blade screws (TKV-11001) and lift off the clipper blade. If you have trouble removing the blade, unscrew and remove the nosepiece first. Brush the blade on both sides with a stiff toothbrush, following the teeth.

- Return the blade to its position by tightening the nosepiece into position and placing the blade on the clipper. Check that the outside edges of the blade and nosepiece fit together snugly so threads will not be caught between them

- Before tightening the blade screws, turn the motor on and off quickly once so the blade will drop into place in the toggle. The inside blade should move freely from side to side.

Lubrication

- After every eight-hour shift: Turn off the suction and place a drop or two of oil in the oil hole. (See Figure 3). Any good sewing machine oil will work. (Do NOT use 3-in-1 oil.) Run the clipper for about 30 seconds. This will lubricate the entire blade. NEVER GREASE THE BLADE.

- Every three months: Inject grease at the fitting on the side of the clipper using a standard grease gun. When doing this, support the clipper to offset the pressure applied by the grease gun. Do not over lubricate

- Every six months: Remove the clipper nose, remove the felt grease retainer, clean out the old grease, and repack lightly with TrimMaster grease (479-0003) or a good-quality, density M-21 grease. If the mechanism is very dirty, wash it out with solvent and repack with grease as described above

- Periodically: Install a new clipper felt (TMT-23004) to prevent grease from being drawn into the air passage.

TrimMaster blades

Blade	Part Number	Description	Compatible with
TX-3	TRM-19003	27 teeth, an all purpose blade	D nosepiece (216)
TX-3F	TRM-19016	The TX-3 teeth are ground down to a lower profile, for close trimming	D nosepiece (216)
TX-G	TRM-19002	24 teeth, called the Goliath blade, a sturdy, versatile blade	D nosepiece (216)
TX-4	TRM-29004	41 teeth, a good blade for lace, or delicate fabrics	D nosepiece (216)
TX-6	TRM-19005	16 teeth, designed for denim, canvas and other heavy fabrics	F nosepiece (839)
TX-6F	TRM-19015	A TX-6 blade with the teeth ground down for a lower profile.	F nosepiece (839)

Note: "F" blades have lower profile teeth, adapting them for close trimming of items such as lace and leather goods

TrimMaster nosepieces

The nosepiece (or protective comb) is mounted just above the blade. It comes with its own ID number stamped on it. The ID number specifies three different properties of the nosepiece:

- the style of the nosepiece (D or F)
- the size of the slots in the nosepiece (00,0,1,2,3,4)
- the size of the opening between the blade and nosepiece.

For example, a nosepiece labeled **D3 040** tells you that this is a 'D' style , with a #3 (Large) slot size between the teeth and a .040 opening between the blade and nosepiece
Note: When a nosepiece is altered to fit with an "F" or 'low profile' blade, an ' X' is added after the slot size number.

- Only two nosepiece styles are made:
  D (#216) used with TX-3, TX-4 and Goliath blades ONLY
  F (#839) used with TX-6 blades ONLY

Six slot sizes are available:

- #00 Very fine
- #0 No slots
- #1 Fine
- #2 Medium
- #3 Large
- #4 Very large

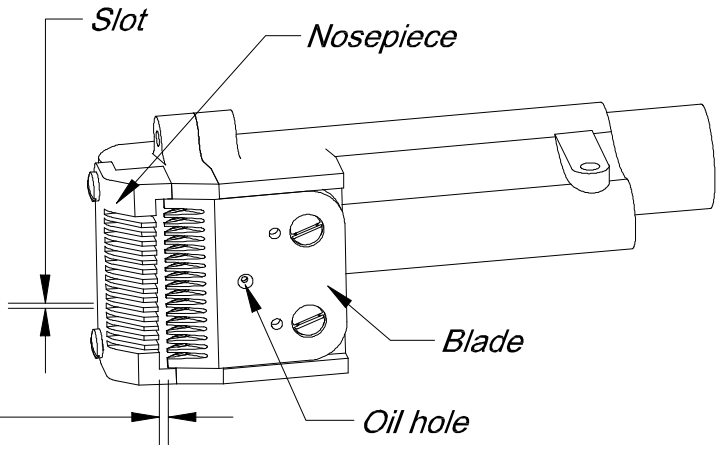
Openings

- Six different openings can be set between the nosepiece and the blade. (See Figure 3 below.) A larger opening allows chain stitching or heavy thread to be vacuumed in more quickly. A smaller opening protects fine fabrics from being sucked into the blade.

Figure 3 - Openings

Six openings available between blade and nosepiece

.020
.030 - (about 1/32")
.040
.050
.060 - (about 1/16")
.070



Popular blade and nosepiece combinations:

The best combination of blade and nosepiece for trimming a product depends on three variables: 1) the fabric, 2) thread and 3) the stitch being used on that product. Because TrimMaster manufacturers many different blades and nosepieces, and can vary the size of the opening between them, the TrimMaster clipper can be adapted to most any trimming operation.

Here are just a few of the many possibilities available to you:
For T-shirts, underwear, cotton. - TX-3 blade + D2 040 nosepiece
For single needle and/or chain .- TX-3 or Goliath blade + D3 040 nosepiece
For embroidery. - Goliath F blade + DX2-040 nosepiece
For fine, thin materials - TX-4 blade or a Goliath blade + D1 040 nosepiece
For denim - TX-6 blade + F2 060 nosepiece

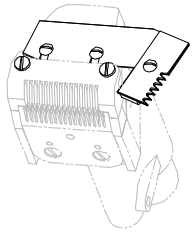
To maximize the productiviy of your trimmer, send samples of your product to TrimMaster for test trimming. This service is free, and ensures that you have the best combination of blade and nosepiece for your product.

Optional loop openers

- Loop openers mount on top of the clipper and are used to cut jumper threads or loops, enabling the vacuum to suck the loose threads into the blade. Two styles, the No. 1 and No. 10, are available.

- The No. 1 loop opener (Figure 4) is attached to the top of a fixed-mount clipper.

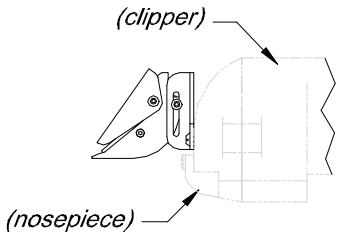
Figure 4



NO. 1 LOOP OPENER
Assembly TMT-29017
(for stationary - mount clipper)

- The No. 10 loop opener (Figure 5) is designed for movable-mount clippers.

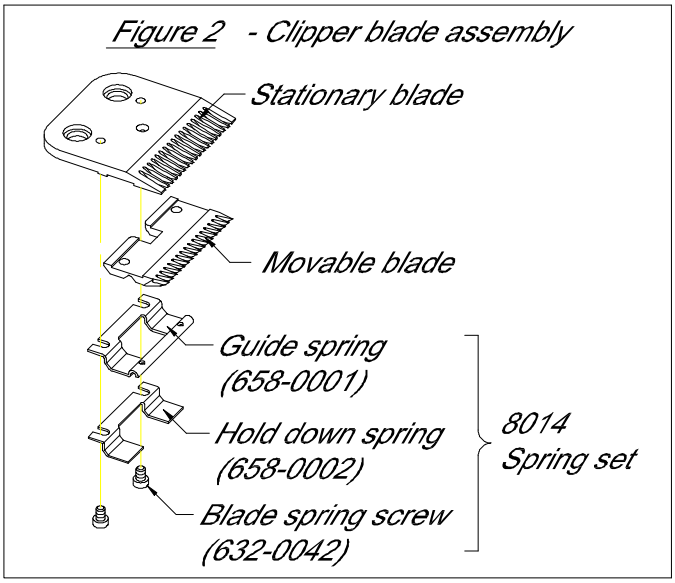
Figure 5



NO. 10 LOOP OPENER
Assembly 114
(for movable - mount clipper)

Clipper blade assembly

- It is best to order the whole spring assembly (8014) as a set. The stationary and movable blades are assembled and tested as a matched set , and should not be interchanged with other blade assemblies.



Repairs and Service:

- All TrimMaster blades are made of hardened tool steel on CNC equipment, then tested by hand before shipment to ensure long blade life and optimum thread trimming.

- When blades need to be sharpened, return them to TrimMaster for sharpening by our experienced assemblymen using machinery designed specifically for this operation. Wrap blades in paper to protect the teeth, and pack them carefully for shipment, preferably in the blue box that came with the clipper. (Blades made by other companies can also be sharpened at TrimMaster for a slightly higher fee.)

- Please contact us if you have any questions about the TrimMaster clipper. Be sure to have ready the serial number of your machine, located on the name-plate, and part numbers so we may better serve you. See Figure 6 for a drawing of .Ultralight Clipper Parts.

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