

## Blade Replacement and Adjustment for the Tomato Pro™, Econo Pro™ and Tomato King™

To ensure safe installation and operation, read the following statements and understand their meaning. Please read carefully.

### WARNING

Warning is used to indicate the presence of a hazard that *can* cause severe personal injury, death, or substantial property damage if the warning is ignored.

### REPLACING BLADE ASSEMBLY

	<p><b>WARNING</b></p> <p><b>Sharp Blade Hazard.</b> Blades are sharp and can cause cuts and amputation.</p>
<p>To avoid injury from sharp blades, handle with caution. Only trained personal should operate equipment or preform maintenance.</p>	

We suggest you change the complete assembly. Never mix old and new blades in the same assembly as this may lead to excessive blade breakage.

Wash new blades with warm, soapy water and rinse thoroughly to remove the thin protective oil film. Keep the sharp edge away from you when handling blades.

1. Allow yourself ample room to work on a flat, dry surface. Familiarize yourself with the parts diagram for your equipment. Blade assemblies consist of blades, blade blocks, blade block pins, rubber seals, and screws.
2. When changing blade assemblies on the Tomato King, close the pusher head so that the pusher head fingers are through the blades resting against the pin stop.
3. When changing blade assemblies on the Tomato Pro and Econo Pro equipment, pull the pusher head assembly back away from the blades so it is against the back stop.
4. To remove blade assemblies, use the proper tool to remove the four blade block screws (2 at each end). Retain the rubber seals that are mounted on the screws between the blade blocks and the casting.
5. Dispose of used blades and blade assemblies properly.

### ADJUSTMENTS

1. Examine the pusher head fingers. If they are nicked or burred, smooth the rough edges with a small flat file. The spaces between the fingers must be uniform. Straighten any bent fingers.
2. Center the new blade assembly between bridge casting posts with the sharp side facing the pusher head. Replace screws and rubber seals. Be certain that the bottom blade fits between the two bottom-most pusher head fingers.

3. Check the clearance between the pusher head fingers and blades. Make sure they do not rest on or touch the blades at any point when you move the head through its full travel. If there is contact, adjustments must be made. Pusher head fingers must never contact blades.

Adjust the Pusher Head Assembly through the Blades:

1. Gently tap on the Pusher Head Assembly (A) so that the entire assembly can pass through the blades. Notice how the "CIRCLED" portion (B) of the pusher head assembly is now able to pass completely through the blades. See Figure 1.

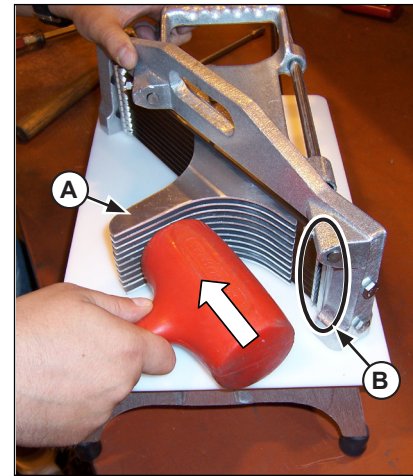


Figure 1. Pusher Head Adjustment Through the Blades.

To adjust Pusher Head Fingers between blades:

1. Carefully insert a screwdriver (B) between the slots in the Pusher Head Assembly (A). Gently tap on the screwdriver (B) (up or down) to alter the location of the Pusher Head Fingers so the slide effortlessly through the blades. See Figure 2.

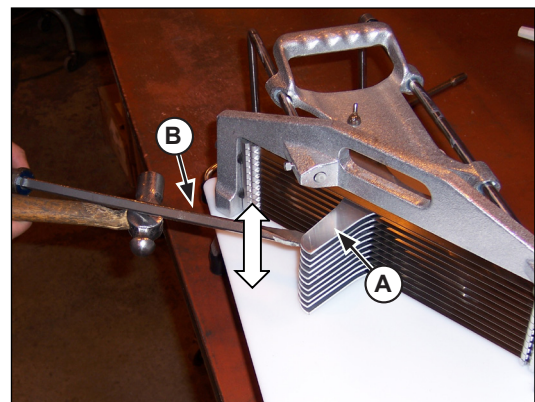
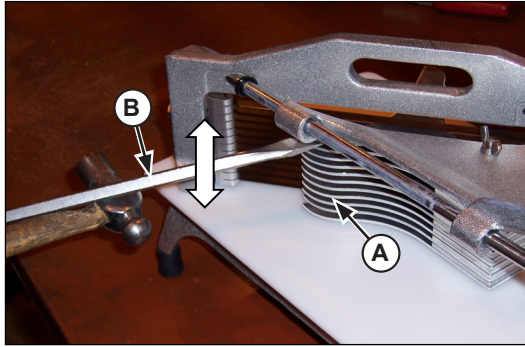


Figure 2. Pusher Head Adjustment Between the Blades.

- It may also be necessary to adjust the Pusher Head Assembly (A) from the back side of the equipment, as well. If needed, carefully insert a screwdriver (B) between the slots in the Pusher Head Assembly. Gently tap on the screwdriver (B) (up or down) to alter the location of the Pusher Head Fingers so they slide effortlessly through the blades. See Figure 3.



**Figure 3. Pusher Head Adjustment Between the Blades.**

Adjust the Pusher Head Assembly through the Blades:

- Momentarily loosen set screws to the guide rods to adjust the location of the Pusher Head Assembly by pushing / pulling on the guide rod. Once the Pusher Head Assembly is properly located, tighten the set screws. See Figure 4.



**Figure 4. Pusher Head Adjustment Through the Blades.**

Tightening the blades:

Blades must be tightened in alternating sequence

- Keep blade assembly centered between casting end-posts with a gap of air space between the blade block and post.
- Tighten screws one-half turn at a time in the following order:
  - Top Right - 1/2 Turn
  - Bottom Left - 1/2 Turn
  - Bottom Right - 1/2 Turn
  - Top Left - 1/2 Turn
- Repeat this sequence until the screws are tight. Check for proper blade tightness by strumming the dull side of the blade to identify a uniform vibration.



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