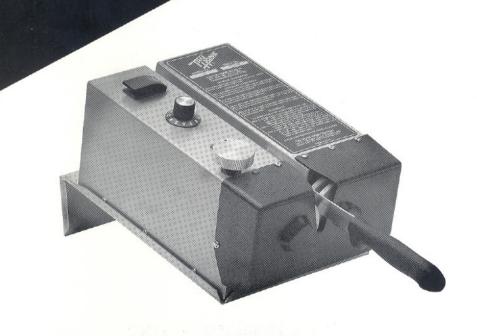
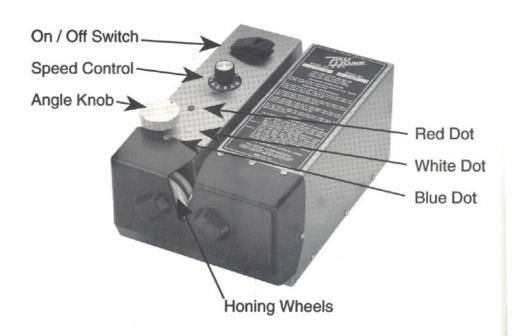
# TONE (®



OPERATING INSTRUCTIONS



**FIGURE 1. TRU HONE CONTROLS** 

#### TRU HONE OPERATING INSTRUCTIONS

The Tru Hone Sharpening System does a professional job of sharpening knives. By following the outlined instructions, knives will be sharpened to meet your professional standards.

The Tru Hone comes completely assembled and ready to use. Place the machine on the stainless steel stand (see Fig. 1) and familiarize yourself with the following operating instructions. The machine should be approximately 36-40 inches above floor level.

#### CONTROLS

There are three controls on the Tru Hone. See Fig. 1 for specific location on machine.

- 1. On/Off Switch
- 2. Speed Control
- 3. Angle Knob

# HONING WHEEL / BEVEL ADJUSTMENT

(Do prior to using machine)

Each complete turn clockwise  $\bigcirc$  of the Angle Knob decreases the overlap of the honing wheels 1/16 inch. Each complete turn counterclockwise  $\bigcirc$  increases the overlap of the honing wheels 1/16 inch.

Turn the Angle Knob so that the indicator mark lines up with the **Red Dot**. The **Red Dot** is always the reference position for setting the honing wheel overlap. From the front of the Tru Hone, visually check the honing wheels for the proper overlap of approximately 3/16" to 1/4", referred to as a 3 Bevel or 4 Bevel. See Fig. 2.

If the honing wheels are overlapped less than 3/16" to 1/4" with the Angle Knob pointing to the Red Dot, turn the Angle Knob one or more complete turns counterclockwise.

If the honing wheels are overlapped more than 3/16" to 1/4" with the Angle Knob pointing to the Red Dot, turn the Angle Knob one or more complete turns clockwise.

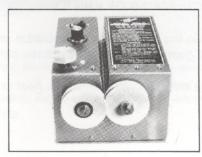


Fig. 2. Wheels are overlapped approximately 3/16" to 1/4" (3 or 4 Bevel) with Angle Knob indicator pointing to the **Red Dot**.

The Tru Hone is in the 1 Bevel position when the indicator mark on the Angle Knob is lined up with the Red Dot and the honing wheels are overlapped approximately 1/16" inch or less. Turn Angle Knob 2 or 3 complete turns clockwise  $\bigcirc$  from the 3 or 4 Bevel position. See Fig. 3. Seldom is the 1 Bevel position used for sharpening with the exception of some skinning knives.

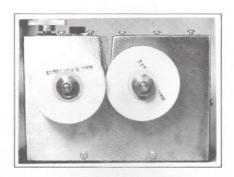


Fig. 3. Wheels at Minimum overlap.

"1 Bevel" position with Angle
Knob indicator pointing to Red Dot.

For most knives used in meat, poultry or fish cutting operations, the 3 or 4 Bevel position (3/16" - 1/4"overlap) is used. Turn the Angle Knob two or three complete turns counterclockwise \_\_\_\_ from the 1 Bevel position and point it to the **Red Dot**. See Fig. 2.

For some blades such as cleavers or chopper blades, a higher number bevel position may be best such as a 5 or 6. Turn the Angle Knob counterclockwise  $\bigcirc$  the appropriate number of turns for the desired bevel position.

#### **TECHNIQUES OF KNIFE SHARPENING**

With the machine still in the OFF position, familiarize yourself with "getting-the-feel-of-sharpening" by going through the next three steps several times.

1. Place the knife in the knife slot with the handle near or touching the front of the plastic cover.

- 2. Pull knife edge steadily across the honing wheels at a smooth rate, approximately 1 to 3 seconds, depending on the length of knife blade. Maintain a firm and constant pressure on the honing wheels as the knife is being drawn across them. Make sure the knife edge is always in contact with all four honing wheels.
- 3. In order to properly sharpen the blade tip, raise the knife handle as the tip passes over honing wheels and follow the curve of the blade. See the following illustrations.

#### HOW TO HOLD KNIFE FOR PROPER SHARPENING

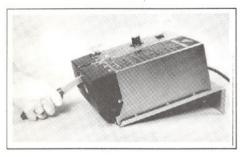


Fig. 4. WRONG (Handie too low)

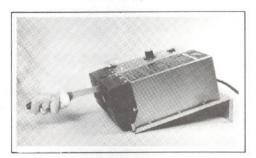


Fig. 5. CORRECT

DO NOT begin sharpening with knife handle held high or low. This will cause uneven knife bevels and uneven wheel wear.

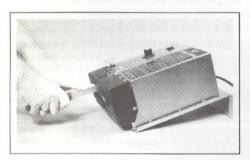


Fig. 6. CORRECT (May be guided with both hands)

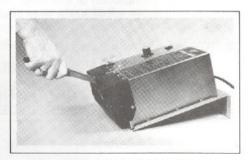


Fig. 7. CORRECT FOR TIP (Handle is raised as tip passes over wheels)

Hold knife as shown in either Fig. 5 or Fig. 6; always keeping the blade in contact with all four honing wheels.

#### SHARPENING

Before sharpening a knife, be sure you are familiar with the previous instructions.

Flip the On / Off Switch to ON position (the light will come on).

# STEP 1 GRINDING THE BEVEL (RED DOT)

Set Angle Knob indicator to Red Dot, 3 or 4 Bevel position (3/16" to 1/4" wheel overlap), Speed Control setting "7". For longer knives (over 6") you may increase the speed above "7" and for smaller knives you may decrease the speed below "7". Start at the handle with the blade in the slot. At a constant speed and pressure, pull the knife across the honing wheels and raise the handle as the tip approaches the honing wheels. Repeat 4 times or more until knife is sharp.

# STEP 2 STRENGTHENING OR SETTING THE EDGE (WHITE DOT)

Turn the Angle Knob clockwise to the White Dot (speed setting remains unchanged). Use the same procedure as in Step 1 for stroking the knife over the honing wheels, but do it only 2 times.

## STEP 3 HONING THE EDGE (BLUE DOT)

Turn the Angle Knob clockwise to the Blue Dot. Reduce the speed to "3" on LC & HC Models. The speed reduces automatically on HCA Models. Draw the blade through 2 times with very slight pressure. (At the completion of this step, the knife should be sharp enough to shave hair). If edge is not satisfactory, repeat all three steps. After completion of this step, turn Angle Knob counterclockwise back to Red Dot to begin sharpening next knife.

NOTE: As an alternate step before turning back to Red Dot to start next knife, you may want to lengthen knife bevel. See the following instructions:

# THINNING OR LENGTHENING KNIFE BEVEL TO REMOVE SHOULDER BEHIND THE EDGE

This step may be done before or after sharpening the edge.

- Rotate Angle Knob clockwise past the Blue Dot (5 o'clock position) to the 7 o'clock position or slightly past. Honing wheels are slightly overlapped.
   See Fig. 8.
- 2. Set speed at "7" or higher and draw blade through honing wheels 4 times or more until shoulder is removed.

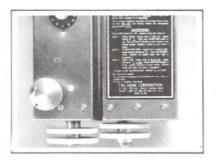


Fig. 8. For thinning or lengthening the bevel, honing wheels should be slightly overlapped.

**3a.** If thinning is done after the edge is sharpened, turn the Angle Knob counterclockwise back to the Blue Dot. Reduce speed to "3" and draw blade through once or twice lightly to rehone (touch-up) edge.

**3b.** If thinning is done before sharpening, turn the Angle Knob counterclockwise back to the Red Dot to begin the complete sharpening procedure.

# INSTRUCTIONS FOR SHARPENING SHORT - BLADED KNIVES (LESS THAN 5": POCKET, PARERS, ETC.)

Follow the same procedure as noted under the section entitled "SHARPENING", except for steps 1 & 2 reduce speed to "4" or "5".

#### TO RESTORE AN EDGE OR POINT

The Tru Hone is capable of putting a new point on a knife and removing severe nicks or chips.

When a knife blade to be sharpened has nicks or chips in the edge, the wheels should be brought to an extreme overlap position by turning the Angle Knob approximately six turns counterclockwise. See Fig. 9. This will give an adverse angle suitable for removing the defective edge. Set the Speed Control between "7" and "10" and repeat stroking the knife across the honing wheels until the defects are removed. Return the honing wheels to the normal sharpening position and follow steps 1, 2 and 3 under "SHARPENING" to sharpen the knife.

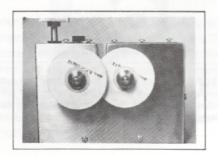
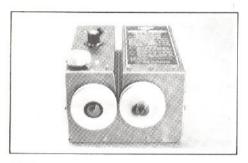
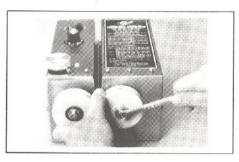


Fig. 9. Wheels at Maximum overlap for "truing" knife edge.

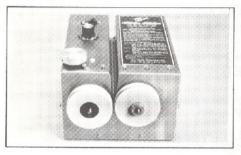
#### REPLACING HONING WHEELS



STEP 1 Disconnect electrical plug. Loosen 7 screws that hold black honing wheel cover and remove the cover. Turn the Angle Knob clockwise until honing wheels are separated.



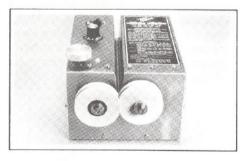
STEP 2 Hold both pair of honing wheels simultaneously and use a 7/16" wrench to remove both nuts. Note: The right shaft has left threaded nut. Remove 2 brass washers and old honing wheels.



STEP 3 Turn one pair of new honing wheels opposite to the other and slide onto shafts against brass washers. Spacers located behind brass washers may be moved from one shaft to the other for proper alignment of honing wheels.



STEP 4 Put outside brass washers onto shafts and secure with right threaded nut on left shaft and left threaded nut on right shaft. If honing wheels rub, go back to step 3.



STEP 5 Turn Angle Knob counterclockwise until honing wheels are overlapped 3/16" to 1/4" with indicator at Red Dot. Replace cover and plug into electrical power.

#### CARE OF HONING WHEELS

With proper care the honing wheels should sharpen thousands of knives.

#### Proper care includes:

- 1. Cleaning knives before sharpening.
- 2. Checking honing wheels for proper overlap.
- 3. Applying proper pressure to knife on honing wheels.
- 4. Inverting honing wheels periodically.

#### INVERTING HONING WHEELS

To invert the honing wheels follow the same procedures as for REPLACING HONING WHEELS except for the first part of step 3. Invert the honing wheels (flip 180°) and return to the same shafts.

#### THE DRIVE BELT

Extra drive belts are included with the machine. The belt should be replaced when the honing wheels are replaced or it is evident the belt is slipping. A 7-inch belt-changing tool is included to change the belt.

#### **CHANGING THE BELT**

- 1. Disconnect electrical cord from outlet.
- 2. Invert the machine, being careful not to damage the controls. The drive belt is accessible through the slot in the base.
- 3. Use the belt tool to remove the old belt from the pulleys. Discard the old belt.
- 4. Place the belt in groove of small pulley using the belt tool. Then place belt in groove of large pulley using the tool to guide the belt around the pulley.

#### **GUARANTEE AND SERVICE**

The Tru Hone Sharpener has a 12-month service guarantee. If it is necessary to return the knife sharpener to the factory for repair, pack the Tru Hone carefully and ship prepaid to Tru Hone Corporation, 1721 N.E. 19th Avenue, Ocala, Florida 34470. After the sharpener is repaired it is usually returned by way of UPS. The honing wheels and drive belt are not covered by the service guarantee. Replacement honing wheel sets may be purchased from Tru Hone and a redressing service is available for old honing wheels. One drive belt is included with each set of new honing wheels.

# For parts and service contact:

## TRU HONE CORPORATION

1721 N.E. 19th Avenue Ocala, Florida 34470 U.S.A.

Nationwide Toll-Free 1-800-237-4663

Outside U.S.A. (352) 622-1213

Fax (352) 622-9180

### **BEGINNING THE DAY**

God hath not promised skies always blue,
Flower-strewn pathways all our lives through;
God hath not promised sun without rain;
Joy without sorrow, peace without pain;
But God hath promised strength for the day;
Rest for the labor; light for the way;
Grace for the trials; help from above;
Unfailing sympathy, undying love.

Author unknown



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